

Phenol-hypochlorite reaction for determination of amn

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 4 | Automated microanalysis of urinary ammonia. <i>Clinical Biochemistry</i> , 1968, 2, 381-388. | 0.8 | 0 |
| 5 | Observations on diagnostic kits for the determination of urea nitrogen. <i>Clinical Biochemistry</i> , 1968, 2, 189-196. | 0.8 | 6 |
| 6 | Hygienic Chemical Studies on Public Nuisance by Injurious Gases. XIII. : Studies on the Method for Determination of Ammonia in Air. <i>Japanese Journal of Toxicology and Environmental Health</i> , 1968, 14, 280-284. | 0.1 | 5 |
| 7 | Analysis of Foreign Aerosol Produced in NO ₂ -Rich Atmospheres of Animal Exposure Chambers. <i>AIHA Journal</i> , 1969, 30, 147-152. | 0.4 | 5 |
| 8 | MULTIPLE SUBSTRATE DETERMINATION OF MONOAMINE OXIDASE DISTRIBUTION AND IPRONIAZID INHIBITION IN RAT BRAIN. <i>Journal of Neurochemistry</i> , 1969, 16, 725-730. | 2.1 | 3 |
| 10 | Electron microprobe investigation of oxide films on platinum-iridium electrodes. <i>Analytical Chemistry</i> , 1969, 41, 846-848. | 3.2 | 2 |
| 11 | Determination of ammonia in tobacco and smoke. <i>Talanta</i> , 1969, 16, 1085-1088. | 2.9 | 11 |
| 12 | Reaction rate method for ammonia and blood urea nitrogen utilizing a pentacyanonitrosylferrate catalyzed Berthelot reaction. <i>Analytical Chemistry</i> , 1969, 41, 848-850. | 3.2 | 36 |
| 15 | Ammonia determination: Reagent modification and interfering compounds. <i>Analytical Biochemistry</i> , 1970, 36, 243-246. | 1.1 | 72 |
| 16 | Some aspects of the phenol-hypochlorite reaction as applied to ammonia analysis. <i>Water Research</i> , 1970, 4, 501-515. | 5.3 | 44 |
| 17 | A colorimetric method for ammonia in natural waters. <i>Water Research</i> , 1970, 4, 805-811. | 5.3 | 186 |
| 18 | BOVINE MUSCLE TENDERNESS AS RELATED TO PROTEIN SOLUBILITY. <i>Journal of Food Science</i> , 1971, 36, 190-193. | 1.5 | 22 |
| 19 | Analytical studies of fractions from irradiated lysozyme. <i>Biochimica Et Biophysica Acta (BBA) - Protein Structure</i> , 1972, 271, 262-273. | 1.7 | 18 |
| 20 | Tests for the Elements, their Ions and Compounds. , 1972, , 94-524. | | 6 |
| 21 | Micro determination of Nitrogen in Plant Tissues. <i>Journal of the Association of Official Analytical Chemists</i> , 1972, 55, 01-03. | 0.2 | 7 |
| 22 | Receptor potentials and action potentials in <i>Drosera</i> tentacles. <i>Planta</i> , 1972, 103, 193-221. | 1.6 | 77 |
| 23 | Isolation and characterization of the amino-acid pools located within the cytoplasm and vacuoles of <i>Candida utilis</i> . <i>Planta</i> , 1973, 109, 293-306. | 1.6 | 97 |
| 24 | A highly sensitive automated technique for the determination of ammonium nitrogen. <i>Journal of the Science of Food and Agriculture</i> , 1973, 24, 1119-1123. | 1.7 | 47 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 25 | Isolation and analysis of lignin-carbohydrate complexes from <i>Lolium multiflorum</i> . <i>Phytochemistry</i> , 1973, 12, 2979-2984. | 1.4 | 48 |
| 26 | Biodegradation of urea in river waters under controlled laboratory conditions. <i>Water Research</i> , 1973, 7, 975-985. | 5.3 | 17 |
| 27 | The isolation of plant cell wall preparations with low nitrogen contents. <i>Journal of Agricultural Science</i> , 1973, 80, 407-410. | 0.6 | 16 |
| 28 | Cathepsin B2 measurement by sensitive fluorometric ammonia analysis. <i>Analytical Biochemistry</i> , 1974, 60, 153-162. | 1.1 | 99 |
| 29 | The significance of solution flow rate in flowing culture experiments. <i>Plant and Soil</i> , 1974, 41, 161-175. | 1.8 | 52 |
| 30 | Micro-Determination of Nitrogen. <i>CRC Critical Reviews in Analytical Chemistry</i> , 1974, 4, 141-154. | 2.3 | 3 |
| 31 | The distribution and transport of airborne particulate matter and inorganic components in Great Britain. <i>Atmospheric Environment</i> , 1974, 8, 1095-1109. | 1.1 | 18 |
| 32 | Ammonium sulfate crystallization in Andersen cascade impactor samples. <i>Atmospheric Environment</i> , 1974, 8, 1119-1130. | 1.1 | 12 |
| 33 | Determination of sub-microquantities of ammonium and nitrates in soils with phenol, sodiumnitroprusside and hypochlorite. <i>Geoderma</i> , 1974, 12, 201-206. | 2.3 | 90 |
| 34 | Metal-dependent proteinase of the lens. Assay, purification and properties of the bovine enzyme. <i>Biochemical Journal</i> , 1975, 145, 591-599. | 1.7 | 52 |
| 35 | The Utilization of P^{15}N Compounds by Plants II. The Role of Extracellular Root Phosphatases. <i>Annals of Botany</i> , 1975, 39, 347-361. | 1.4 | 8 |
| 36 | Penicillinamidohydrolase in <i>Escherichia coli</i> . <i>Folia Microbiologica</i> , 1975, 20, 224-230. | 1.1 | 9 |
| 37 | Penicillinamidohydrolase in <i>Escherichia coli</i> . <i>Folia Microbiologica</i> , 1975, 20, 289-297. | 1.1 | 15 |
| 38 | Simplified Kjeldahl nitrogen determination for sea water by a semiautomated persulfate digestion method. <i>Analytical Chemistry</i> , 1976, 48, 1194-1197. | 3.2 | 18 |
| 39 | Determination of ammonia and Kjeldahl nitrogen by indophenol method. <i>Water Research</i> , 1976, 10, 31-36. | 5.3 | 416 |
| 40 | Infestations of yellow nutsedge in cropped soil: Effects on soil nitrogen availability to the crop and on associated N transforming bacterial populations. <i>Agro-Ecosystems</i> , 1976, 3, 313-323. | 0.2 | 6 |
| 41 | Size distribution of atmospheric total aerosols, sulfate, ammonium and nitrate particulates in the Nagoya area. <i>Atmospheric Environment</i> , 1976, 10, 39-43. | 1.1 | 85 |
| 42 | Characterization and application of FerroZine iron reagent as a ferrous iron indicator. <i>Analytical Chemistry</i> , 1976, 48, 1197-1201. | 3.2 | 260 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 43 | The substrate constant for the ammonium ion of growing. <i>Antonie Van Leeuwenhoek</i> , 1976, 42, 293-297. | 0.7 | 3 |
| 44 | Human skin proteases. <i>Archives of Dermatological Research</i> , 1976, 255, 317-330. | 1.1 | 36 |
| 45 | Nitrogen Metabolism in Plant Cell Suspension Cultures. <i>Plant Physiology</i> , 1976, 58, 510-512. | 2.3 | 52 |
| 46 | Urease Activity in the Rumen of Sheep and the Isolation of Ureolytic Bacteria. <i>Journal of General Microbiology</i> , 1976, 92, 32-48. | 2.3 | 112 |
| 47 | An Intermethod Comparison of X-ray Photoelectron Spectroscopic (ESCA) Analysis of Atmospheric Particulate Matter. <i>International Journal of Environmental Analytical Chemistry</i> , 1976, 4, 169-181. | 1.8 | 12 |
| 48 | Catalytically and noncatalytically treated automobile exhaust: Biological effects in rats. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1977, 3, 923-934. | 1.1 | 4 |
| 49 | Formation of Glutamine and Activities of Glutamine Synthetase in Goats. <i>Nihon Juigaku Zasshi</i> , 1977, 39, 159-164. | 0.3 | 0 |
| 50 | Characterization of malodours during anaerobic storage of pig wastes. <i>Agriculture and Environment</i> , 1977, 3, 147-157. | 0.5 | 11 |
| 51 | Factors maintaining a disjunct community of <i>Liatris spicata</i> and other prairie species in Ontario, Canada. <i>Canadian Journal of Botany</i> , 1977, 55, 593-605. | 1.2 | 2 |
| 52 | The transport of atmospheric pollutants across the North Sea and English Channel. <i>Atmospheric Environment</i> , 1977, 11, 879-892. | 1.1 | 19 |
| 53 | Distribution and metabolism of polyacetylenes in safflower. <i>Lipids and Lipid Metabolism</i> , 1977, 487, 249-260. | 2.6 | 19 |
| 54 | Inhibition of chemical carcinogenesis: Increased activity of soluble RNA polymerase in the liver of rats protected against 3- ² MeDAB hepatocarcinogenesis by dietary chloramphenicol. <i>European Journal of Cancer</i> , 1977, 13, 729-747. | 1.0 | 3 |
| 55 | Corynecin (chloramphenicol analogs) fermentation studies: Selective production of Corynecin I by <i>Corynebacterium hydrocarboclastus</i> grown on acetate. <i>Biotechnology and Bioengineering</i> , 1977, 19, 1009-1018. | 1.7 | 12 |
| 56 | An inexpensive procedure for the rapid determination of total nitrogen in multiple biological samples. <i>Journal of the Science of Food and Agriculture</i> , 1977, 28, 312-316. | 1.7 | 1 |
| 57 | Citrate production from n-alkane by <i>Candida lipolytica</i> in reference to carbon fluxes in vivo. <i>European Journal of Applied Microbiology</i> , 1978, 5, 247-261. | 0.9 | 25 |
| 58 | Formation of amines and ammonia from alkyldiazenido derivatives of molybdenum and tungsten. <i>Inorganica Chimica Acta</i> , 1978, 29, L273-L274. | 1.2 | 3 |
| 59 | Chemically modified polyesters as supports for enzyme immobilization: Isocyanide, acylhydrazide, and aminoaryl derivatives of poly(ethylene terephthalate). <i>Biotechnology and Bioengineering</i> , 1978, 20, 309-316. | 1.7 | 15 |
| 60 | Protein and free amino acid patterns in maize ensiled with or without urea. <i>Journal of the Science of Food and Agriculture</i> , 1978, 29, 506-512. | 1.7 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 61 | Retrospective trend analysis of the content of U.K. air particulate material 1957-1974. <i>Science of the Total Environment</i> , 1978, 9, 161-199. | 3.9 | 70 |
| 62 | Developmental Biochemistry of Cotton Seed Embryogenesis and Germination. <i>Plant Physiology</i> , 1978, 61, 698-702. | 2.3 | 52 |
| 63 | Enzymic Determination of Ammonia Nitrogen in Water. <i>Japanese Journal of Toxicology and Environmental Health</i> , 1978, 24, 96-101. | 0.1 | 0 |
| 64 | Nitrate. , 1979, , 119-144. | | 11 |
| 65 | Multilayer immobilized-enzyme filter reactors: Urease bound to nylon fabric filters. <i>Biotechnology and Bioengineering</i> , 1979, 21, 1607-1627. | 1.7 | 14 |
| 66 | Enzymatic conversion of N carbamoyl-d-amino acids to d-amino acids. <i>Enzyme and Microbial Technology</i> , 1979, 1, 201-204. | 1.6 | 75 |
| 67 | Sodium-chloride-induced protection in nephrotoxic acute renal failure: Independence from renin. <i>Kidney International</i> , 1979, 16, 481-490. | 2.6 | 37 |
| 68 | An independent microbial flora of the epithelium and its role in the ecomicrobiology of the rumen. <i>Nature</i> , 1979, 279, 424-426. | 13.7 | 134 |
| 69 | Effect of Ammonia Concentration on the Composition, Hydrolytic Activity and Nitrogen Metabolism of the Microbial Flora of the Rumen. <i>Journal of Applied Bacteriology</i> , 1979, 47, 443-455. | 1.1 | 66 |
| 70 | Some measurements of ambient air pollution arising from the manufacture of nitric acid and ammonium nitrate fertiliser. <i>Atmospheric Environment</i> , 1979, 13, 1105-1120. | 1.1 | 27 |
| 71 | Effect of Diet Quality on Adenosine-5-triphosphate Concentration and Adenylate Energy Charge of Rumen Microbes from Fistulated Cows. <i>Journal of Dairy Science</i> , 1979, 62, 284-291. | 1.4 | 43 |
| 72 | Isonitrile derivatives of polysaccharides as supports for the covalent fixation of proteins and other ligands. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1979, 571, 127-136. | 1.4 | 14 |
| 73 | Determination of micro amount of ammonia in the atmosphere by using impregnated filter. <i>Bunseki Kagaku</i> , 1979, 28, 633-637. | 0.1 | 0 |
| 74 | UREA IN CORN SILAGE AS A SUPPLEMENTAL NITROGEN SOURCE FOR LACTATING COWS. <i>Canadian Journal of Animal Science</i> , 1979, 59, 403-410. | 0.7 | 8 |
| 75 | Intraruminal injection of urea and changes in secretion of parotid saliva in sheep. <i>British Journal of Nutrition</i> , 1979, 42, 497-505. | 1.2 | 5 |
| 76 | The mechanism of passage of endogenous urea through the rumen wall and the role of ureolytic epithelial bacteria in the urea flux. <i>British Journal of Nutrition</i> , 1979, 42, 553-557. | 1.2 | 129 |
| 77 | The appearance of re-cycled urea in the digestive tract of goats during the final third of a once daily feeding of a low-protein ration. <i>British Journal of Nutrition</i> , 1980, 44, 295-305. | 1.2 | 27 |
| 78 | Movement of nitrogen and carbon from a septic system drainfield. <i>Water, Air, and Soil Pollution</i> , 1980, 13, 113-123. | 1.1 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 79 | Distribution and budget of nutrients in a commercial apple orchard. <i>Plant and Soil</i> , 1980, 56, 445-457. | 1.8 | 49 |
| 80 | A study of the gaseous and particulate pollutants in the environment of a thermal power plant project area. <i>Water, Air, and Soil Pollution</i> , 1980, 13, 303-316. | 1.1 | 6 |
| 81 | An association between photorespiration and protein catabolism: Studies with <i>Chlamydomonas</i> . <i>Planta</i> , 1980, 150, 392-396. | 1.6 | 118 |
| 82 | Pathway of ammonia assimilation in illuminated <i>Lemna minor</i> . <i>Phytochemistry</i> , 1980, 19, 357-365. | 1.4 | 65 |
| 83 | Laboratory study of nutrient leaching from the surface of cultivated, grassed and herbicided orchard soil. <i>Soil and Tillage Research</i> , 1980, 1, 281-288. | 2.6 | 4 |
| 84 | Application of the Berthelot reaction to the determination of ammonium-N in soil extracts and soil digests. <i>Communications in Soil Science and Plant Analysis</i> , 1980, 11, 469-475. | 0.6 | 86 |
| 85 | Establishment of Ureolytic Staphylococci in the Rumen of Gnotobiotic Lambs. <i>Journal of Applied Bacteriology</i> , 1980, 49, 325-330. | 1.1 | 10 |
| 86 | Digestion des glucides de la levure d'alcanes par le veau prÃ©ruminant. <i>Reproduction, Nutrition, Development</i> , 1980, 20, 1401-1414. | 1.9 | 6 |
| 87 | Stimulation of Lactate Production by Administration of Bicarbonate in a Patient with a Solid Neoplasm and Lactic Acidosis. <i>New England Journal of Medicine</i> , 1980, 303, 1100-1102. | 13.9 | 95 |
| 88 | A phenol-hypochlorite manual determination of ammonium-nitrogen in Kjeldahl digests of plant tissue. <i>Communications in Soil Science and Plant Analysis</i> , 1980, 11, 709-722. | 0.6 | 57 |
| 89 | Growth of plant cell suspension cultures on glycerol as a sole source of carbon and energy. <i>Canadian Journal of Botany</i> , 1980, 58, 648-657. | 1.2 | 17 |
| 90 | In Vitro Inhibition of Rumen Urease by Melon (<i>Cucumis melo</i>) Seed Urease Inhibitor. <i>Journal of Dairy Science</i> , 1980, 63, 785-788. | 1.4 | 12 |
| 91 | s-Triazine solubility in chloride salt solutions. <i>Journal of Agricultural and Food Chemistry</i> , 1981, 29, 1143-1146. | 2.4 | 11 |
| 92 | s-Triazines as nitrogen sources for bacteria. <i>Journal of Agricultural and Food Chemistry</i> , 1981, 29, 1135-1143. | 2.4 | 227 |
| 93 | Reverse Osmosis Separation of Sulfate, Nitrate, and Ammonia from Mining Effluents. <i>Separation Science and Technology</i> , 1981, 16, 371-376. | 1.3 | 8 |
| 94 | Facilities for diesel exhaust studies. <i>Environment International</i> , 1981, 5, 349-356. | 4.8 | 10 |
| 95 | Digestion des glucides cytoplasmiques de la fÃ©verole par le veau prÃ©ruminant. <i>Reproduction, Nutrition, Development</i> , 1981, 21, 629-649. | 1.9 | 12 |
| 96 | RÃle of the rumen ciliate protozoa <i>Polyplastron multivesiculatum</i> , <i>Entodinium</i> sp. and <i>Isotricha prostoma</i> in the digestion of a mixed diet in sheep. <i>Reproduction, Nutrition, Development</i> , 1981, 21, 871-884. | 1.9 | 61 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 97 | Fluorogenic Reaction and Specific Microdetermination of Ammonia. <i>Journal of Biochemistry</i> , 1981, 89, 771-774. | 0.9 | 24 |
| 98 | Selection of filters for collection of ammonium salts in the atmosphere. <i>Bunseki Kagaku</i> , 1981, 30, T23-T25. | 0.1 | 0 |
| 99 | Tabtoxin, produced by <i>Pseudomonas tabaci</i> , decreases <i>Nicotiana tabacum</i> glutamine synthetase in vivo and causes accumulation of ammonia. <i>Physiological Plant Pathology</i> , 1981, 19, 57-67. | 1.4 | 47 |
| 100 | Nitrogen extractability of sesame (<i>Sesamum indicum</i> L.) seed and the preparation of two protein isolates. <i>Journal of the Science of Food and Agriculture</i> , 1981, 32, 565-571. | 1.7 | 48 |
| 101 | Relative effects of hyperbaric oxygen on cations and catecholamine metabolism in rats: Protection by lithium against seizures. <i>Toxicology</i> , 1981, 22, 133-147. | 2.0 | 9 |
| 102 | In situ nitrogen (C ₂ H ₂) fixation in lakes of southern Victoria Land, Antarctica. <i>Hydrobiological Bulletin</i> , 1981, 15, 99-109. | 0.5 | 31 |
| 103 | Glutamine synthetase of <i>Chlamydomonas</i> : its role in the control of nitrate assimilation. <i>Planta</i> , 1981, 153, 18-24. | 1.6 | 44 |
| 104 | BIOCHEMICAL EXPLANATIONS OF MORE THAN ADDITIVE INHIBITORY EFFECTS OF LOW ATMOSPHERIC LEVELS OF SULPHUR DIOXIDE PLUS NITROGEN DIOXIDE UPON PLANTS. <i>New Phytologist</i> , 1981, 88, 223-237. | 3.5 | 115 |
| 105 | Occurrence of two forms of glutamate synthase in <i>Chlamydomonas reinhardtii</i> . <i>Phytochemistry</i> , 1981, 20, 597-600. | 1.4 | 54 |
| 106 | The Role of Streptomycetes in Decomposition of Chitin in Acidic Soils. <i>Microbiology (United Kingdom)</i> , 1981, 127, 55-63. | 0.7 | 24 |
| 107 | Phenol-Hypochlorite as a Spectrophotometric Reagent for the Estimation of Methylamine. <i>Analytical Letters</i> , 1981, 14, 815-824. | 1.0 | 3 |
| 108 | Gas Chromatography-Mass Spectrometry of N- Heptafluorobutyryl Isobutyl Esters of Amino Acids in the Analysis of the Kinetics of [15N]H ₄ ⁺ Assimilation in <i>Lemna minor</i> L. <i>Plant Physiology</i> , 1981, 68, 1197-1205. | 2.3 | 79 |
| 109 | A Continuous Culture Study of Growth of <i>Bacillus cereus</i> T. <i>Microbiology (United Kingdom)</i> , 1981, 122, 129-136. | 0.7 | 2 |
| 110 | Ammonia Accumulation and Inhibition of Photosynthesis in Methionine Sulfoximine Treated Spinach. <i>Plant Physiology</i> , 1981, 67, 509-513. | 2.3 | 63 |
| 111 | Conjugation in Chemostat Cultures of <i>Schizosaccharomyces pombe</i> . <i>Microbiology (United Kingdom)</i> , 1982, 128, 1981-1987. | 0.7 | 6 |
| 112 | Nitrogen and phosphorus in the Ngongotaha Stream. <i>New Zealand Journal of Marine and Freshwater Research</i> , 1982, 16, 339-349. | 0.8 | 20 |
| 113 | The degradative pathway of the <sc>s</sc>-triazine melamine. The steps to ring cleavage. <i>Biochemical Journal</i> , 1982, 208, 679-684. | 3.2 | 105 |
| 114 | RESIDUAL EFFECTS OF NITROGEN AND PHOSPHORUS FERTILIZER ON CRESTED WHEATGRASS UNDER SEMIARID CONDITIONS. <i>Canadian Journal of Plant Science</i> , 1982, 62, 415-425. | 0.3 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 115 | CHANGES IN AMMONIA CONCENTRATION, BACTERIAL COUNTS, pH AND VOLATILE FATTY ACID CONCENTRATION IN RUMEN OF COWS FED ALFALFA HAY OR CONCENTRATE: UREA-CORN SILAGE. <i>Canadian Journal of Animal Science</i> , 1982, 62, 249-258. | 0.7 | 15 |
| 116 | Effect of pH on Fermentation Characteristics and Protein Degradation by Rumen Microorganisms In Vitro. <i>Journal of Dairy Science</i> , 1982, 65, 1457-1464. | 1.4 | 94 |
| 117 | Microbial degradation of para-chloroaniline as sole carbon and nitrogen source. <i>Pesticide Biochemistry and Physiology</i> , 1982, 17, 215-223. | 1.6 | 69 |
| 118 | Wet ashing of organic matter for the determination of antimony. <i>Analytical Chemistry</i> , 1982, 54, 49-51. | 3.2 | 15 |
| 119 | Determination of ammonia with a Stark microwave cavity resonator. <i>Analytical Chemistry</i> , 1982, 54, 1690-1692. | 3.2 | 5 |
| 120 | Interference in determination of ammonia with the hypochlorite-alkaline phenol method of Berthelot. <i>Analytical Chemistry</i> , 1982, 54, 46-49. | 3.2 | 143 |
| 121 | Chemical composition and size distribution of atmospheric aerosols over the Deccan Plateau, India. <i>Tellus</i> , 2022, 34, 151. | 0.4 | 30 |
| 122 | Antigenic Structure of Adenylate Kinase from Porcine Skeletal Muscle. I. Three Immunochemically Active Peptides Obtained by Cleavage with Cyanogen Bromide. <i>Journal of Biochemistry</i> , 1982, 91, 1749-1757. | 0.9 | 4 |
| 123 | Tabtoxin-induced symptoms are associated with the accumulation of ammonia formed during photorespiration. <i>Physiological Plant Pathology</i> , 1982, 20, 223-233. | 1.4 | 57 |
| 124 | Dynamics of nitrogen in a shaded cacao plantation. <i>Plant and Soil</i> , 1982, 67, 271-281. | 1.8 | 32 |
| 125 | Approach to Cadmium speciation in natural waters using ¹⁰⁹ Cd as radiotracer. <i>The International Journal of Applied Radiation and Isotopes</i> , 1982, 33, 217-221. | 0.7 | 1 |
| 126 | Chemical composition and size distribution of atmospheric aerosols over the Deccan Plateau, India. <i>Tellus</i> , 1982, 34, 151-158. | 0.4 | 34 |
| 127 | Extraction of nitrogenous material from winged bean [<i>Psophocarpus tetragonolobus</i> (L.) DC] flour and the preparation and properties of protein isolates. <i>Journal of the Science of Food and Agriculture</i> , 1982, 33, 173-184. | 1.7 | 29 |
| 128 | Significance of periodic fluctuations in the haemolymph proteins and their catabolic products during starvation and repeated injury in <i>Scylla serrata</i> (Forsk.). <i>The Journal of Experimental Zoology</i> , 1982, 222, 27-35. | 1.4 | 3 |
| 129 | Cocoa sweatings—“an effluent of potential value. <i>Agricultural Wastes</i> , 1982, 4, 225-229. | 0.4 | 6 |
| 130 | Negative control of ornithine decarboxylase and arginine decarboxylase by adenosine-3'-5'-Cyclic monophosphate in <i>Escherichia coli</i> . <i>Molecular Genetics and Genomics</i> , 1982, 186, 482-487. | 2.4 | 32 |
| 131 | Effects of nitrogen fertilisers, calcium and water regime on the incidence of cavity spot in carrot. <i>Fertilizer Research</i> , 1983, 4, 223-230. | 0.5 | 5 |
| 132 | Denitrification, nitrate reduction to ammonium, and inorganic nitrogen pools in intertidal sediments. <i>Marine Biology</i> , 1983, 74, 133-139. | 0.7 | 63 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 133 | Interference of aromatic sulfo groups in the microbial degradation of the azo dyes Orange I and Orange II. Archives of Microbiology, 1983, 135, 1-7. | 1.0 | 132 |
| 134 | Kinetics of multilayer immobilized enzyme-filter reactors: Behavior of urease-filter reactors in different buffers. Biotechnology and Bioengineering, 1983, 25, 1485-1499. | 1.7 | 19 |
| 135 | Preparation and properties of molybdenum and tungsten dinitrogen complexes. Journal of Organometallic Chemistry, 1983, 254, 75-82. | 0.8 | 23 |
| 136 | Association of methanogenic bacteria with rumen protozoa. Canadian Journal of Microbiology, 1983, 29, 676-680. | 0.8 | 83 |
| 137 | Heterotrophic nitrification by fungi isolated from cerrado soils in Brazil. Zentralblatt für Mikrobiologie, 1983, 138, 187-193. | 0.2 | 1 |
| 138 | Ammonia Exchange and Photorespiration in Chlamydomonas. Plant Physiology, 1983, 71, 888-892. | 2.3 | 38 |
| 139 | Qualitative Analysis of Waste-Water from Ametryne Production. International Journal of Environmental Analytical Chemistry, 1983, 14, 93-98. | 1.8 | 14 |
| 140 | The Effect of Dietary Protein Levels on Diet-Induced Thermogenesis in the Rat. Journal of Nutrition, 1983, 113, 2289-2294. | 1.3 | 56 |
| 141 | THE PERFORMANCE OF LACTATING COWS FED UREA-TREATED CORN SILAGE IN COMBINATION WITH SOYBEAN OR FISHMEAL CONTAINING CONCENTRATES. Canadian Journal of Animal Science, 1983, 63, 191-199. | 0.7 | 18 |
| 142 | Body Composition at Vaginal Opening in Mice as Influenced by Food Intake and Photoperiod: Tests of Critical Body Weight and Composition Hypotheses for Puberty Onset. Biology of Reproduction, 1983, 29, 924-931. | 1.2 | 14 |
| 143 | Formation of ammonia adducts of several steroids and their application to particle size reduction.. Chemical and Pharmaceutical Bulletin, 1983, 31, 3649-3655. | 0.6 | 2 |
| 144 | Nitrogen Metabolism of the Marine Microalga <i>Chlorella autotrophica</i> . Plant Physiology, 1984, 76, 658-663. | 2.3 | 47 |
| 145 | On the ammonia-nitrogen determination in fisheries wastewaters by means of the indophenol method. Environmental Technology Letters, 1984, 5, 345-348. | 0.4 | 0 |
| 146 | Inorganic N analysis of soil extracts by automated and distillation procedures. Communications in Soil Science and Plant Analysis, 1984, 15, 663-672. | 0.6 | 15 |
| 147 | Glycolate Metabolism Is Under Nitrogen Control in Chlorella. Plant Physiology, 1984, 75, 516-520. | 2.3 | 14 |
| 148 | A comparison of urban and rural aerosol composition using dichotomous samplers. Atmospheric Environment, 1984, 18, 1767-1775. | 1.1 | 45 |
| 149 | Simultaneous inhibition of carbon and nitrogen mineralization in a forest soil by simulated acid precipitation. Bulletin of Environmental Contamination and Toxicology, 1984, 32, 698-703. | 1.3 | 16 |
| 150 | Contribution of tabtoxin to the pathogenicity of <i>Pseudomonas syringae</i> pv. tabaci. Physiological Plant Pathology, 1984, 25, 55-69. | 1.4 | 49 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 151 | Studies on the determination of ammonia in the presence of some corrosion inhibitors. Fresenius Zeitschrift für Analytische Chemie, 1984, 318, 355-356. | 0.7 | 0 |
| 152 | Effect of glucose on glutamate dehydrogenase and acid phosphatase and its reversal by cyclic adenosine 3':5'-monophosphate in single cell cultures of <i>Asparagus officinalis</i> . <i>Physiologia Plantarum</i> , 1984, 60, 61-64. | 2.6 | 20 |
| 153 | Chemically coupled spectrophotometric assays based on flow injection analysis: Determination of nitrogenase by assays for creatine, ammonia, hydrazine, phosphate, and dithionite. <i>Analytical Biochemistry</i> , 1984, 140, 434-442. | 1.1 | 7 |
| 154 | A system for the measurement in the field of losses of ammonia through volatilisation. <i>Journal of the Science of Food and Agriculture</i> , 1984, 35, 837-848. | 1.7 | 190 |
| 155 | Application of the micrometeorological mass balance method to the determination of ammonia loss from a grazed sward. <i>Journal of the Science of Food and Agriculture</i> , 1984, 35, 1297-1310. | 1.7 | 88 |
| 157 | Ammonia and light effect on nitrogenase activity in nitrogen-limited continuous cultures of <i>Rhodospseudomonas capsulata</i> . Role of glutamine synthetase. <i>Archives of Microbiology</i> , 1984, 139, 326-331. | 1.0 | 29 |
| 158 | Effect of simulated acid precipitation on nitrogen mineralization and nitrification in forest soils. <i>Water, Air, and Soil Pollution</i> , 1984, 23, 317. | 1.1 | 19 |
| 159 | Expression of the cloned genes encoding the putrescine biosynthetic enzymes and methionine adenosyltransferase of <i>Escherichia coli</i> (speA, speB, speC and metK). <i>Gene</i> , 1984, 30, 129-136. | 1.0 | 79 |
| 160 | Deethylsimazine: bacterial dechlorination, deamination, and complete degradation. <i>Journal of Agricultural and Food Chemistry</i> , 1984, 32, 581-585. | 2.4 | 85 |
| 161 | The technetium-catalysed oxidation of hydrazine by nitric acid. <i>Journal of the Less Common Metals</i> , 1984, 97, 191-203. | 0.9 | 55 |
| 162 | Ozone- ² secondary aerosol- ² visibility relationships in North-West England. <i>Science of the Total Environment</i> , 1984, 34, 87-100. | 3.9 | 52 |
| 163 | Organic matter in forest soils and the mineralization of soil carbon and nitrogen. <i>Soil Biology and Biochemistry</i> , 1984, 16, 201-202. | 4.2 | 13 |
| 164 | Bacterial degradation of <i>N</i> -cyclopropylmelamine. The steps to ring cleavage. <i>Biochemical Journal</i> , 1984, 222, 315-320. | 1.7 | 24 |
| 165 | Ring cleavage and degradative pathway of cyanuric acid in bacteria. <i>Biochemical Journal</i> , 1985, 231, 25-30. | 1.7 | 98 |
| 166 | Purification and some properties of tea leaf amine oxidase.. <i>Agricultural and Biological Chemistry</i> , 1985, 49, 319-326. | 0.3 | 10 |
| 167 | Urea turnover and transfer to the digestive tract in the rabbit. <i>British Journal of Nutrition</i> , 1985, 53, 183-190. | 1.2 | 23 |
| 168 | The digestion of fresh perennial ryegrass (<i>Lolium perenne</i> L. cv. Melle) and white clover (<i>Trifolium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.2 | 58 |
| 169 | Ammonia-nitrogen turnover in the rabbit caecum and exchange with plasma urea-N. <i>British Journal of Nutrition</i> , 1985, 54, 285-292. | 1.2 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 170 | Use of controlled-release polymer to feed ammonium to <i>Streptomyces clavuligerus</i> cephalosporin fermentations in shake flasks. <i>Applied Microbiology and Biotechnology</i> , 1985, 22, 424. | 1.7 | 17 |
| 171 | Impact of alkaline particulates on pH of rain water in India. <i>Water, Air, and Soil Pollution</i> , 1985, 25, 365. | 1.1 | 42 |
| 172 | Effects of methionine sulfoximine on growth and nitrogen assimilation of the marine microalga <i>Chlorella autotrophica</i> . <i>Marine Biology</i> , 1985, 86, 85-91. | 0.7 | 20 |
| 173 | Comparison of three field methods for measuring ammonia volatilization from urea granules broadcast on to pasture. <i>Journal of Soil Science</i> , 1985, 36, 271-280. | 1.2 | 55 |
| 174 | An improved determination of ammonia in kjeldahl digests and acidic solutions with a buffered berthelot reaction. <i>Analytica Chimica Acta</i> , 1985, 176, 275-278. | 2.6 | 9 |
| 175 | Seasonal variation in atmospheric aerosol concentration and composition at urban and rural sites in northern England. <i>Atmospheric Environment</i> , 1985, 19, 1081-1089. | 1.1 | 55 |
| 176 | The effect of ammonia treatment on the solubilization of straw and the growth of cellulolytic rumen bacteria. <i>Journal of Applied Bacteriology</i> , 1985, 58, 371-379. | 1.1 | 26 |
| 177 | Biological treatment specific for an industrial wastewater containing triazines. <i>Biotechnology and Bioengineering</i> , 1985, 27, 1291-1296. | 1.7 | 30 |
| 178 | Nitrogen Metabolism of Leaf and Microspore Callus of <i>Betula pendula</i> . <i>Proceedings in Life Sciences</i> , 1985, , 74-84. | 0.5 | 3 |
| 179 | Ammonium repression of cephalosporin production by <i>Streptomyces clavuligerus</i> . <i>Canadian Journal of Microbiology</i> , 1985, 31, 736-743. | 0.8 | 66 |
| 180 | Effect of Methionine Sulfoximine on Heterocyst Differentiation in <i>Nostoc muscorum</i> in Presence of Amino Acids and Metabolic Inhibitors. <i>Biochemie Und Physiologie Der Pflanzen</i> , 1985, 180, 579-587. | 0.5 | 1 |
| 181 | Extractable Soil Nitrogen Following Clear-cutting and Burning in a Beech Forest. <i>Soil Science Society of America Journal</i> , 1985, 49, 1563-1568. | 1.2 | 11 |
| 182 | Pathway of ammonium assimilation in <i>Streptomyces venezuelae</i> examined by amino acid analyses and ¹⁵ N nuclear magnetic resonance spectroscopy. <i>Canadian Journal of Microbiology</i> , 1985, 31, 629-634. | 0.8 | 11 |
| 183 | Effect of ammonium on chloramphenicol production by <i>Streptomyces venezuelae</i> in batch and continuous cultures. <i>Canadian Journal of Microbiology</i> , 1985, 31, 119-123. | 0.8 | 8 |
| 184 | Effect of temperature on the formation of indophenol blue in a spectrophotometric method for the determination of ammonia. <i>Water Research</i> , 1985, 19, 1443-1445. | 5.3 | 15 |
| 185 | Nitrogen and sulphur compounds. , 1986, , 279-341. | | 4 |
| 186 | Oil shale retort water ammonia determination by titrimetry, phenate colorimetry, enzymatic analysis, and chromatographic fractionation/chemiluminescence. <i>Analytical Chemistry</i> , 1986, 58, 1556-1561. | 3.2 | 2 |
| 187 | Salt-Induced Damage to Rice Plants and Alleviation Effect of Silicate. <i>Soil Science and Plant Nutrition</i> , 1986, 32, 295-304. | 0.8 | 160 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 188 | Measurement and control of water content of organic solvents. <i>Analytical Chemistry</i> , 1986, 58, 1561-1563. | 3.2 | 14 |
| 189 | Effect of soil amendments and sawdust mulching on growth, yield and leaf nutrient content of highbush blueberry plants. <i>Scientia Horticulturae</i> , 1986, 29, 229-238. | 1.7 | 24 |
| 190 | Activities of ribulose-1,5-bisphosphate carboxylase and glutamine synthetase in isolated mesophyll cells exposed to tabtoxin. <i>Physiological and Molecular Plant Pathology</i> , 1986, 29, 59-68. | 1.3 | 18 |
| 191 | Effect of combined dietary 17- β -estradiol and 17- β -methyltestosterone on growth and body composition of European eels (<i>Anguilla anguilla</i>). <i>Aquaculture</i> , 1986, 59, 169-175. | 1.7 | 12 |
| 192 | Effect of methionine supplementation of a soy protein isolate on short-term nitrogen balance in young women.. <i>Journal of Nutritional Science and Vitaminology</i> , 1986, 32, 123-130. | 0.2 | 1 |
| 193 | Inhibitory Effects of Formaldehyde Inhalation on the Cardiovascular and Respiratory Systems in Unanesthetized Rabbits. <i>The Japanese Journal of Pharmacology</i> , 1986, 40, 551-559. | 1.2 | 10 |
| 194 | Simultaneous determination of cyanate and carbamyl phosphate by high performance liquid chromatography.. <i>Analytical Sciences</i> , 1986, 2, 81-85. | 0.8 | 8 |
| 195 | RESPONSE OF LACTATING DAIRY COWS TO FORMALDEHYDE-TREATED SOYBEAN MEAL WHEN FED WITH CONTROL OR UREA-TREATED CORN SILAGE. <i>Canadian Journal of Animal Science</i> , 1986, 66, 85-95. | 0.7 | 10 |
| 196 | Determination of Kjeldahl Nitrogen and Exchangeable Ammonium in Soil by the Indophenol Method. <i>Acta Agriculturae Scandinavica</i> , 1986, 36, 60-70. | 0.3 | 15 |
| 197 | Role of rumen protozoa in nitrogen digestion in sheep given two isonitrogenous diets. <i>British Journal of Nutrition</i> , 1986, 56, 407-419. | 1.2 | 63 |
| 198 | Effect of Sodium Application on Growth of <i>Amaranthus tricolor</i> ; L. <i>Plant and Cell Physiology</i> , 0, , . | 1.5 | 2 |
| 199 | The release of fermentable carbohydrate from peat by steam explosion and its use in the microbial production of solvents. <i>Biotechnology and Bioengineering</i> , 1986, 28, 176-184. | 1.7 | 24 |
| 201 | Relationship between nitrogen assimilation and cephalosporin synthesis in <i>Streptomyces clavuligerus</i> . <i>Archives of Microbiology</i> , 1986, 146, 46-51. | 1.0 | 32 |
| 202 | Effects of tabtoxin on nitrogen metabolism. <i>Physiologia Plantarum</i> , 1986, 67, 649-653. | 2.6 | 11 |
| 203 | Regional size distributions of sulfate and nitrate in the tokyo metropolitan area in summer. <i>Atmospheric Environment</i> , 1986, 20, 763-766. | 1.1 | 2 |
| 204 | Characterization of atmospheric aerosols in chichi of the Ogasawara (Bonin) Islands. <i>Atmospheric Environment</i> , 1986, 20, 151-155. | 1.1 | 23 |
| 205 | Determination of nitrogen in UO ₂ by Kjeldahl spectrophotometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1986, 102, 515-523. | 0.7 | 5 |
| 206 | Continuous production of penicillin G by penicillium chrysogenum cells immobilized on celite biocatalyst support particles. <i>Canadian Journal of Chemical Engineering</i> , 1986, 64, 547-552. | 0.9 | 42 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 207 | The effect of 3,3,5-triiodo-L-thyronine and 17 β -methyltestosterone on growth and body composition of the glass stage of the eel (<i>Anguilla anguilla</i> L). <i>Fish Physiology and Biochemistry</i> , 1986, 1, 145-151. | 0.9 | 20 |
| 208 | Effects of soil acidification and subsequent leaching on levels of extractable nutrients in a soil. <i>Plant and Soil</i> , 1986, 95, 327-336. | 1.8 | 70 |
| 209 | The Uptake of Gaseous Ammonia by the Leaves of Italian Ryegrass. <i>Journal of Experimental Botany</i> , 1986, 37, 919-927. | 2.4 | 45 |
| 210 | Urinary Calculi: Microbiological and Crystallographic Studies. <i>CRC Critical Reviews in Clinical Laboratory Sciences</i> , 1986, 23, 245-277. | 1.0 | 13 |
| 211 | Stimulation of Nodulation in the Clover- <i>Rhizobium trifolii</i> 0403 System by Penicillin and Mecillinam. <i>Plant Physiology</i> , 1986, 81, 326-328. | 2.3 | 1 |
| 212 | Orthanilic Acid and Analogues as Carbon Sources for Bacteria: Growth Physiology and Enzymic Desulphonation. <i>Microbiology (United Kingdom)</i> , 1986, 132, 1215-1220. | 0.7 | 33 |
| 213 | A Comparative Study of Acquired Amidase Activity in <i>Pseudomonas</i> Species. <i>Microbiology (United Kingdom)</i> , 1986, 132, 1215-1220. | 0.7 | 4 |
| 214 | Microbial protein and peptide metabolism in rumen fluid from faunated and ciliate-free sheep. <i>British Journal of Nutrition</i> , 1987, 58, 87-93. | 1.2 | 58 |
| 215 | [30] Cell immobilization in the production of patulin and penicillin by <i>Penicillium urticae</i> and <i>Penicillium chrysogenum</i> . <i>Methods in Enzymology</i> , 1987, 136, 329-342. | 0.4 | 11 |
| 216 | Effects of dietary tryptophan levels on growth, feed/gain, carcass composition and liver glutamate dehydrogenase activity in rainbow trout (<i>Salmo gairdneri</i>). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1987, 88, 737-741. | 0.2 | 14 |
| 217 | Annular denuder method for sampling reactive gases and aerosols in the atmosphere. <i>Science of the Total Environment</i> , 1987, 67, 1-16. | 3.9 | 141 |
| 218 | Production of gibberellins and bikaverin by cells of <i>Gibberella fujikuroi</i> immobilized in carrageenan. <i>Journal of Fermentation Technology</i> , 1987, 65, 717-722. | 0.6 | 19 |
| 219 | Kinetics of Urea Hydrolysis and Binding of Ammonia to Wheat Straw During Ammoniation by Urea. <i>Journal of Dairy Science</i> , 1987, 70, 1313-1317. | 1.4 | 8 |
| 220 | Effect of trickle fertigation with three forms of nitrogen on soil pH, levels of extractable nutrients below the emitter and plant growth. <i>Plant and Soil</i> , 1987, 102, 211-221. | 1.8 | 35 |
| 221 | Cephameycin production and isopenicillin N synthetase activity in cultures of <i>Streptomyces clavuligerus</i> . <i>Applied Microbiology and Biotechnology</i> , 1987, 27, 240. | 1.7 | 15 |
| 222 | Effect of urea granule size on ammonia volatilization from surface-applied urea. <i>Fertilizer Research</i> , 1987, 11, 87-96. | 0.5 | 19 |
| 223 | Oxidation of SO ₂ in rainwater and its role in acid rain chemistry. <i>Atmospheric Environment</i> , 1987, 21, 1115-1123. | 1.1 | 69 |
| 224 | Effect of timing of simulated rainfall on ammonia volatilization from urea, applied to soil of varying moisture content. <i>Journal of Soil Science</i> , 1987, 38, 679-687. | 1.2 | 122 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 225 | Fate of nitrogen in cattle slurry following surface application or injection to grassland. <i>Journal of Soil Science</i> , 1987, 38, 689-700. | 1.2 | 177 |
| 226 | The influence of the relative proportions of dietary protein and carbohydrate on body weight gain, nitrogen retention and feed conversion of European eels, <i>Anguilla anguilla</i> L.. <i>Aquaculture Research</i> , 1987, 18, 151-158. | 0.9 | 3 |
| 227 | An Ecological Study of Infected Urinary Stone Genesis in an Animal Model. <i>British Journal of Urology</i> , 1987, 59, 21-30. | 0.1 | 64 |
| 228 | A study on the regulation of cephamycin C and expandase biosynthesis by <i>Streptomyces clavuligerus</i> in continuous and batch culture. <i>Applied Microbiology and Biotechnology</i> , 1988, 28, 39. | 1.7 | 10 |
| 229 | Utilization of the herbicide phosphinothricin as a nitrogen source by soil bacteria. <i>Applied Microbiology and Biotechnology</i> , 1988, 29, 103-105. | 1.7 | 40 |
| 230 | <i>Eubacterium acidaminophilum</i> sp. nov., a versatile amino acid-degrading anaerobe producing or utilizing H ₂ or formate. <i>Archives of Microbiology</i> , 1988, 150, 254-266. | 1.0 | 167 |
| 231 | Behaviour of Nif ⁻ mutants of <i>Rhodobacter capsulatus</i> in photosynthetic, ammonia-limited chemostat cultures. <i>FEMS Microbiology Letters</i> , 1988, 56, 61-66. | 0.7 | 1 |
| 232 | Inhibition of photosynthesis in <i>Nicotiana tabacum</i> leaves treated with tabtoxin and its relation to pigment loss. <i>Physiologia Plantarum</i> , 1988, 74, 549-555. | 2.6 | 6 |
| 233 | An automated spectrophotometric field monitor for water quality parameters. <i>Analytica Chimica Acta</i> , 1988, 214, 401-407. | 2.6 | 62 |
| 234 | A meso-scale study of the behaviour of atmospheric ammonia and ammonium. <i>Atmospheric Environment</i> , 1988, 22, 1347-1353. | 1.1 | 58 |
| 235 | Determination of cis- and trans-aconitic acids in plant materials by chromatography on anion-exchange resins. <i>Journal of Agricultural and Food Chemistry</i> , 1988, 36, 69-73. | 2.4 | 6 |
| 236 | Sampling of digestive contents by ileal cannulation in the rabbit. <i>Animal Science</i> , 1988, 46, 147-151. | 1.3 | 11 |
| 237 | Design and calibration of a low volume fog sampler. <i>Journal of Aerosol Science</i> , 1988, 19, 175-181. | 1.8 | 10 |
| 238 | The relationship between ammonia production and oxygen concentration in water and the biomass of eels and level of protein in the diet of <i>Anguilla anguilla</i> L.. <i>Aquacultural Engineering</i> , 1988, 7, 235-244. | 1.4 | 6 |
| 239 | Characterization of a rural area in terms of dry and wet deposition. <i>Science of the Total Environment</i> , 1988, 74, 111-120. | 3.9 | 104 |
| 240 | Analysis of atmospheric ammonia and particulate ammonium by a sensitive fluorescence method. <i>Environmental Science & Technology</i> , 1988, 22, 948-952. | 4.6 | 45 |
| 241 | Identification of rumen bacteria that anaerobically degrade nitrite. <i>Canadian Journal of Microbiology</i> , 1988, 34, 1099-1102. | 0.8 | 9 |
| 242 | Proteolysis Associated with the Ensiling of Chopped Alfalfa. <i>Journal of Dairy Science</i> , 1988, 71, 152-158. | 1.4 | 44 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 243 | The Ecology and Pathogenicity of Urease-Producing Bacteria in the Urinary Tract. <i>CRC Critical Reviews in Microbiology</i> , 1988, 16, 37-79. | 4.8 | 159 |
| 244 | Role of the carbon source in regulating chloramphenicol production by <i>Streptomyces venezuelae</i> : studies in batch and continuous cultures. <i>Canadian Journal of Microbiology</i> , 1988, 34, 1217-1223. | 0.8 | 30 |
| 245 | Nitrate- and nitrite-reducing bacteria in the achlorhydric stomach. <i>Journal of Medical Microbiology</i> , 1988, 25, 253-259. | 0.7 | 51 |
| 246 | Glutathione Formation in <i>Penicillium chrysogenum</i> : Stimulatory Effect of Ammonium. <i>Microbiology (United Kingdom)</i> , 1988, 134, 1117-1121. | 0.7 | 2 |
| 247 | Activities and Properties of Putrescine- ϵ -Biosynthetic Enzymes in <i>Vibrio parahaemolyticus</i> . <i>Microbiology and Immunology</i> , 1988, 32, 675-687. | 0.7 | 11 |
| 248 | Purification, characterization, and genetic organization of recombinant <i>Providencia stuartii</i> urease expressed by <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1988, 170, 2202-2207. | 1.0 | 57 |
| 249 | Effects of chloride fertilizers on yield and uptake of chloride, potassium and sodium by fodder beet (<i>Beta vulgaris</i> L.) in two New Zealand soils. <i>Journal of Agricultural Science</i> , 1988, 111, 207-216. | 0.6 | 9 |
| 250 | Effect of nitrate and its reduction products on the growth and activity of the rumen microbial population. <i>British Journal of Nutrition</i> , 1988, 59, 301-313. | 1.2 | 71 |
| 251 | <i>Proteus mirabilis</i> urease. Partial purification and inhibition by boric acid and boronic acids. <i>Biochemical Journal</i> , 1988, 250, 917-920. | 1.7 | 99 |
| 252 | Microbial degradation of disinfectants. II. Complete degradation of chlorhexidine.. <i>Japanese Journal of Toxicology and Environmental Health</i> , 1988, 34, 97-101. | 0.1 | 7 |
| 253 | COMPARISON OF WILTED-ALFALFA SILAGE AND ALFALFA HAY PRESERVED WITH PROPIONIC ACID IN CORN-SILAGE-BASED DIETS FOR MILKING COWS. <i>Canadian Journal of Animal Science</i> , 1988, 68, 801-809. | 0.7 | 3 |
| 254 | The Volatilization of Ammonia from Perennial Ryegrass During Decomposition, Drying and Induced Senescence. <i>Annals of Botany</i> , 1988, 61, 567-571. | 1.4 | 55 |
| 255 | Effects of Dietary Nitrogen Source on Concentrations of Ammonia, Free Amino Acids and Fluorescaminereactive Peptides in the Sheep Rumen. <i>Journal of Animal Science</i> , 1988, 66, 2233. | 0.2 | 65 |
| 256 | Effect of Salinomycin on Growing Calves Reared from 3 to 25 Weeks of Age. <i>Nihon Chikusan Gakkaiho</i> , 1988, 59, 643-652. | 0.0 | 1 |
| 257 | Comparison of Estimates of Ruminal Protein Degradation by In Vitro and In Situ Methods. <i>Journal of Animal Science</i> , 1988, 66, 1739. | 0.2 | 37 |
| 258 | The Effect of Bialaphos on Ammonium-Assimilation and Photosynthesis II. Effect on Photosynthesis and Photorespiration. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1989, 44, 103-108. | 0.6 | 16 |
| 259 | Effects of Dietary Cellulose and Psyllium Husk on Monkey Colonic Microbial Metabolism in Continuous Culture. <i>Journal of Nutrition</i> , 1989, 119, 979-985. | 1.3 | 13 |
| 260 | Acclimation of the Photosynthetic Apparatus to Photosystem I or Photosystem II Light: Evidence from Quantum Yield Measurements and Fluorescence Spectroscopy of Cyanobacterial Cells. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1989, 44, 109-118. | 0.6 | 38 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 261 | Ammonium-assimilating enzymes and erythromycin formation in <i>Saccharolypospora erythrea</i> .. Journal of General and Applied Microbiology, 1989, 35, 203-211. | 0.4 | 9 |
| 262 | Sodium Stimulates Growth of <i>Amaranthus tricolor</i> L. Plants through Enhanced Nitrate Assimilation. Plant Physiology, 1989, 89, 1102-1105. | 2.3 | 20 |
| 263 | Hydrogen Inhibition of Nitrogen Reduction by Nitrogenase in Isolated Soybean Nodule Bacteroids. Plant Physiology, 1989, 91, 663-668. | 2.3 | 29 |
| 264 | Regulation of Nitrogen Catabolic Enzymes in <i>Streptomyces clavuligems</i> . Microbiology (United Tj ETQq1 1 0.784314,rgBT /Oyerlock 10 0.784314,rgBT /Oyerlock 10 13 | 0.7 | 13 |
| 265 | A manual colorimetric procedure for measuring ammonium nitrogen in soil and plant Kjeldahl digests. Communications in Soil Science and Plant Analysis, 1989, 20, 961-969. | 0.6 | 374 |
| 266 | Evaluation of sulphur status of East Coast pastures of the North Island, New Zealand 1. Soil and herbage survey. New Zealand Journal of Agricultural Research, 1989, 32, 263-271. | 0.9 | 5 |
| 267 | Characterization of a Suspension Culture of <i>Tabernaemontana elegans</i> Growth, Nutrient Uptake, and Accumulation of Indole Alkaloids*. Planta Medica, 1989, 55, 158-162. | 0.7 | 9 |
| 268 | Determination of atmospheric ammonia as m-toluamide by denuder sampling and HPLC-UV detection. Chromatographia, 1989, 28, 27-30. | 0.7 | 3 |
| 269 | Decomposing grass herbage as a source of ammonia in the atmosphere. Atmospheric Environment, 1989, 23, 1867-1869. | 1.1 | 52 |
| 270 | Chloride aerosols in central northern England. Atmospheric Environment, 1989, 23, 2231-2239. | 1.1 | 21 |
| 271 | The vegetation, surface water chemistry and peat chemistry of moderate-rich fens in central Alberta, Canada. Wetlands, 1989, 9, 227-261. | 0.7 | 90 |
| 272 | Loss of nitrogen through ammonia volatilisation during and following the application of pig or cattle slurry to grassland. Journal of the Science of Food and Agriculture, 1989, 47, 1-12. | 1.7 | 129 |
| 273 | Ammonium assimilation in different plant species as affected by nitrogen form and pH control in solution culture. Fertilizer Research, 1989, 21, 1-6. | 0.5 | 61 |
| 274 | PURIFICATION AND PARTIAL CHARACTERIZATION OF A HEMAGGLUTININ FROM SEEDS OF <i>JATROPHA CURCAS</i> . Journal of Food Biochemistry, 1989, 13, 1-20. | 1.2 | 48 |
| 275 | Effect of rewetting air-dried soils on pH and accumulation of mineral nitrogen. Journal of Soil Science, 1989, 40, 341-347. | 1.2 | 36 |
| 276 | Different effects of supplied ammonium on glutamine synthetase activity in mustard (<i>Sinapis alba</i>) and pine (<i>Pinus sylvestris</i>) seedlings. Physiologia Plantarum, 1989, 77, 129-135. | 2.6 | 20 |
| 277 | Diet and Forage Quality of Intermediate Wheatgrass Managed under Continuous and Short-Duration Grazing. Journal of Range Management, 1989, 42, 474. | 0.3 | 14 |
| 278 | Sampling strategies for water quality monitoring in lakes: The effect of sampling method. Environmental Pollution, 1989, 57, 223-234. | 3.7 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 279 | Determination of ammonia in water by centrifugal analysis. <i>Water Research</i> , 1989, 23, 779-784. | 5.3 | 0 |
| 280 | Volatilization of ammonia from urea applied to soil: Influence of hippuric acid and other constituents of livestock urine. <i>Soil Biology and Biochemistry</i> , 1989, 21, 803-808. | 4.2 | 74 |
| 281 | Leaching losses of nitrogen from sheep urine patches. <i>New Zealand Journal of Agricultural Research</i> , 1989, 32, 237-244. | 0.9 | 25 |
| 282 | Comparison of two methods for measuring ammonium in solution samples. <i>Communications in Soil Science and Plant Analysis</i> , 1989, 20, 1131-1144. | 0.6 | 11 |
| 283 | Sodium chloride increases the yield of fodder beet (<i>Beta vulgaris</i> L.) in two New Zealand soils. <i>New Zealand Journal of Agricultural Research</i> , 1989, 32, 133-137. | 0.9 | 5 |
| 284 | Effect of phosphorus and temperature on the growth and nitrogenase activity in <i>Azolla-Anabaena</i> association. <i>Soil Science and Plant Nutrition</i> , 1989, 35, 217-226. | 0.8 | 3 |
| 285 | Transformation of <i>Brassica napus</i> and <i>Brassica oleracea</i> Using <i>Agrobacterium tumefaciens</i> and the Expression of the <i>bar</i> and <i>neo</i> Genes in the Transgenic Plants. <i>Plant Physiology</i> , 1989, 91, 694-701. | 2.3 | 421 |
| 286 | The performance of three cultivars of rice grown near to, and distant from, a fertiliser plant. <i>Environmental Pollution</i> , 1989, 58, 125-137. | 3.7 | 8 |
| 287 | Ammonia fluxes from grazed grassland: annual losses from cattle production systems and their relation to nitrogen inputs. <i>Journal of Agricultural Science</i> , 1989, 113, 99-108. | 0.6 | 62 |
| 288 | The effects of grassland management on nitrogen losses from grazed swards through ammonia volatilization; the relationship to excretal N returns from cattle. <i>Journal of Agricultural Science</i> , 1989, 112, 205-216. | 0.6 | 107 |
| 289 | Effect of Nitrate, Ammonium and Some Amino Acids on Growth and Nitrate Reductase Activity in Suspension Cultures of <i>Atropa belladonna</i> . <i>Plant and Cell Physiology</i> , 1989, 30, 1177-1181. | 1.5 | 8 |
| 290 | Elementgehalte (C, N, P, K) wirbelloser Bodentiere. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1989, 152, 77-80. | 0.4 | 7 |
| 291 | EFFECT OF TANNIN CONTENT IN TWO ISOSYNTHETIC STRAINS OF BIRDSFOOT TREFOIL (<i>Lotus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 of <i>Animal Science</i> , 1989, 69, 1031-1039. | 0.7 | 33 |
| 292 | A review on measurement methods of atmospheric trace materials.. <i>Japanese Journal of Toxicology and Environmental Health</i> , 1989, 35, 93-109. | 0.1 | 0 |
| 293 | Purification and characterization of acid urease from <i>Lactobacillus reuteri</i> .. <i>Agricultural and Biological Chemistry</i> , 1989, 53, 1119-1125. | 0.3 | 26 |
| 294 | Effects of Dietary Cellulose, Psyllium Husk and Cholesterol Level on Fecal and Colonic Microbial Metabolism in Monkeys. <i>Journal of Nutrition</i> , 1989, 119, 986-992. | 1.3 | 21 |
| 295 | Characteristics of acid urease from <i>Streptococcus mitior</i> .. <i>Agricultural and Biological Chemistry</i> , 1990, 54, 2433-2435. | 0.3 | 12 |
| 296 | Transformations of Nitrogen Following the Application of ¹⁵ N-Labelled Cattle Urine to an Established Grass Sward. <i>Journal of Applied Ecology</i> , 1990, 27, 667. | 1.9 | 67 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 297 | A comparison of methods for determining the concentration of extracellular peptides in rumen fluid of sheep. <i>Journal of Agricultural Science</i> , 1990, 114, 101-105. | 0.6 | 33 |
| 298 | <i>Morganella morganii</i> urease: purification, characterization, and isolation of gene sequences. <i>Journal of Bacteriology</i> , 1990, 172, 3073-3080. | 1.0 | 50 |
| 299 | Sequence of the <i>Klebsiella aerogenes</i> urease genes and evidence for accessory proteins facilitating nickel incorporation. <i>Journal of Bacteriology</i> , 1990, 172, 5837-5843. | 1.0 | 211 |
| 300 | Purification, characterization, and in vivo reconstitution of <i>Klebsiella aerogenes</i> urease apoenzyme. <i>Journal of Bacteriology</i> , 1990, 172, 4427-4431. | 1.0 | 60 |
| 301 | Influence of Chondroitin Sulfate, Heparin Sulfate, and Citrate on <i>Proteus Mirabilis</i> -Induced Struvite Crystallization in Vitro. <i>Journal of Urology</i> , 1990, 144, 1267-1271. | 0.2 | 37 |
| 302 | Influence of ammonium and extracellular pH on the amino and organic acid contents of suspension culture cells of <i>Acer pseudoplatanus</i> . <i>Physiologia Plantarum</i> , 1990, 78, 29-37. | 2.6 | 32 |
| 303 | Factors controlling nitrate and ammonium accumulation in mustard (<i>Sinapis alba</i>) seedlings. <i>Physiologia Plantarum</i> , 1990, 78, 379-387. | 2.6 | 69 |
| 304 | Ammonia volatilization from five nitrogen compounds used as fertilizers following surface application to soils. <i>Journal of Soil Science</i> , 1990, 41, 387-394. | 1.2 | 85 |
| 305 | Movement and transformations of fertigated nitrogen below trickle emitters and their effects on pH in the wetted soil volume. <i>Fertilizer Research</i> , 1990, 23, 105-112. | 0.5 | 22 |
| 306 | Evaluation of methods of measurement of nitrogen in poultry and animal manures. <i>Fertilizer Research</i> , 1990, 24, 141-148. | 0.5 | 25 |
| 307 | Role of nitrogen sources and metal ions in urease synthesis by <i>Micrococcus varians</i> . <i>World Journal of Microbiology and Biotechnology</i> , 1990, 6, 195-200. | 1.7 | 0 |
| 308 | A simple technique for studying struvite crystal growth in vitro. <i>Urological Research</i> , 1990, 18, 39-43. | 1.5 | 31 |
| 309 | Ammonia volatilization from cattle slurry following surface application to grassland. <i>Plant and Soil</i> , 1990, 125, 109-117. | 1.8 | 54 |
| 310 | Growth characteristics and total N content of a <i>Leucaena/Sorghum</i> agroforestry system. <i>Plant and Soil</i> , 1990, 127, 259-267. | 1.8 | 3 |
| 311 | The relationships of vegetation to surface water chemistry and peat chemistry in fens of Alberta, Canada. <i>Plant Ecology</i> , 1990, 89, 87-106. | 1.2 | 311 |
| 312 | Effect of phosphinothricin (glufosinate) on photosynthesis and photorespiration of C3 and C4 plants. <i>Photosynthesis Research</i> , 1990, 24, 55-61. | 1.6 | 120 |
| 313 | Urease immobilized on aminated butyl acrylate-ethylenedimethacrylate copolymer. <i>Angewandte Makromolekulare Chemie</i> , 1990, 179, 21-33. | 0.3 | 11 |
| 314 | Reducing gaseous losses of nitrogen from cattle slurry applied to grassland by the use of additives. <i>Journal of the Science of Food and Agriculture</i> , 1990, 50, 141-153. | 1.7 | 71 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 315 | Properties of acid ureases from <i>Lactobacillus</i> and <i>Streptococcus</i> strains.. <i>Agricultural and Biological Chemistry</i> , 1990, 54, 381-386. | 0.3 | 10 |
| 316 | Effects of different nitrogen sources on glutamine synthetase and ferredoxin dependent glutamate synthase activities and on free amino acid composition in radish plants. <i>Soil Science and Plant Nutrition</i> , 1990, 36, 645-652. | 0.8 | 3 |
| 317 | Quinoxaline Ozonation in Aqueous Solution. <i>Ozone: Science and Engineering</i> , 1990, 12, 329-340. | 1.4 | 6 |
| 318 | Sodium Stimulates Growth of <i>Panicum coloratum</i> through Enhanced Photosynthesis. <i>Plant Physiology</i> , 1990, 92, 1169-1173. | 2.3 | 10 |
| 319 | Accumulation of soil sulphur fractions in grazed pastures receiving long-term superphosphate applications. <i>New Zealand Journal of Agricultural Research</i> , 1990, 33, 111-128. | 0.9 | 54 |
| 320 | Factors Influencing the Tissue Culture and the <i>Agrobacterium tumefaciens</i> -Mediated Transformation of Hybrid Aspen and Poplar Clones. <i>Plant Physiology</i> , 1990, 93, 1110-1116. | 2.3 | 152 |
| 321 | Effects of chloride fertilisers on ionic composition and cation-anion balance and ratio of fodder beet (<i>Beta vulgaris</i> L.) grown under field conditions. <i>New Zealand Journal of Agricultural Research</i> , 1990, 33, 29-40. | 0.9 | 6 |
| 322 | Anabolic effects of insulin-like growth factor I in calorie restricted and ad libitum fed rats. <i>Nutrition Research</i> , 1990, 10, 1151-1160. | 1.3 | 11 |
| 323 | Nutrient Digestion, Ruminal Fermentation, and Plasma Lipids in Steers Fed Combinations of Hydrogenated Fat and Lecithin. <i>Journal of Dairy Science</i> , 1990, 73, 2934-2939. | 1.4 | 21 |
| 324 | Adherence of <i>Helicobacter pylori</i> cells and their surface components to HeLa cell membranes. <i>Microbial Pathogenesis</i> , 1990, 9, 427-439. | 1.3 | 93 |
| 325 | Effects of stirring on residual chlorine during chlorination of seawater containing ammonia nitrogen. <i>Water Research</i> , 1990, 24, 649-652. | 5.3 | 6 |
| 326 | Volatilization of ammonia from cattle urine applied to grassland. <i>Soil Biology and Biochemistry</i> , 1990, 22, 1137-1142. | 4.2 | 96 |
| 327 | Measurements of ammonia emission from grazed grassland. <i>Environmental Pollution</i> , 1990, 65, 333-346. | 3.7 | 14 |
| 328 | Changes in ruminal and intestinal digestion during and after weaning in dairy calves fed concentrate diets containing pea or soya bean meal. 1. Digestion of organic matter and nitrogen. <i>Livestock Science</i> , 1990, 24, 129-142. | 1.2 | 31 |
| 329 | Effect of methionine sulphoximine on vacuolar storage of amino acids in <i>Lemna minor</i> L. <i>Plant Science</i> , 1990, 68, 1-7. | 1.7 | 7 |
| 330 | A model of nitrogen flow by malonamate in <i>Rhizobium japonicum</i> -soybean symbiosis. <i>Biochemical and Biophysical Research Communications</i> , 1990, 169, 692-699. | 1.0 | 21 |
| 331 | Studies on the ammoniation of sugar-cane bagasse by urea. Effects of moisture, urea levels, urease source and treatment periods on composition, in vitro dry matter digestibility and evolution of ureolytic bacteria. <i>Animal Feed Science and Technology</i> , 1990, 29, 113-129. | 1.1 | 9 |
| 332 | Utilization of whole or steamrolled barley fed with forages to wethers and cattle. <i>Animal Feed Science and Technology</i> , 1991, 33, 59-78. | 1.1 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 333 | Digestion properties of ammoniated rice straw in the rumen and lower tract of sheep. <i>Animal Feed Science and Technology</i> , 1991, 35, 55-68. | 1.1 | 14 |
| 334 | Treatment of straw with urea. 1. Ureolysis in a low water medium. <i>Animal Feed Science and Technology</i> , 1991, 34, 75-93. | 1.1 | 16 |
| 335 | Enhancement of the Effective Fiber Content of Barley-Based Concentrates Fed to Dairy Cows. <i>Journal of Dairy Science</i> , 1991, 74, 3128-3139. | 1.4 | 32 |
| 336 | Pyrophosphate inhibition of <i>Proteus mirabilis</i> -induced struvite crystallization in vitro. <i>Clinica Chimica Acta</i> , 1991, 200, 107-117. | 0.5 | 27 |
| 337 | Effects of Dietary Neutral Detergent Fiber Concentration and Alfalfa Hay Quality on Chewing, Rumen Function, and Milk Production of Dairy Cows. <i>Journal of Dairy Science</i> , 1991, 74, 3140-3151. | 1.4 | 139 |
| 338 | Ozonation of pyridine in aqueous solution: Mechanistic and kinetic aspects. <i>Water Research</i> , 1991, 25, 655-659. | 5.3 | 46 |
| 339 | Purified diet development and re-evaluation of the dietary protein requirement of fingerling rainbow trout (<i>Oncorhynchus mykiss</i>). <i>Aquaculture</i> , 1991, 96, 57-67. | 1.7 | 97 |
| 340 | Seasonal and air-mass trajectory effects on rainwater quality at the south-western european border. <i>Atmospheric Environment Part A General Topics</i> , 1991, 25, 2259-2266. | 1.3 | 48 |
| 341 | Stringent response and initiation of secondary metabolism in <i>Streptomyces clavuligerus</i> . <i>Journal of General Microbiology</i> , 1991, 137, 1625-1634. | 2.3 | 39 |
| 342 | Use of a Four-Parameter Logistic Equation to Evaluate the Response of Growing Rats to Ten Levels of Each Indispensable Amino Acid. <i>Journal of Nutrition</i> , 1991, 121, 1720-1729. | 1.3 | 66 |
| 343 | 8 Techniques for the Study of Nitrogen Metabolism in Ectomycorrhiza. <i>Methods in Microbiology</i> , 1991, 23, 203-252. | 0.4 | 9 |
| 344 | Duodenal flow of nitrogen following protozoal inoculation of fauna-free sheep fed a diet supplemented with casein or soybean meal. <i>Canadian Journal of Animal Science</i> , 1991, 71, 793-801. | 0.7 | 25 |
| 345 | Use of a semicontinuous culture system (RUSITEC) to study the metabolism of ethanol in the rumen and its effects on ruminal digestion. <i>Canadian Journal of Animal Science</i> , 1991, 71, 115-123. | 0.7 | 34 |
| 346 | Biological value of crude protein for sheep fed timothy hay. <i>Canadian Journal of Animal Science</i> , 1991, 71, 855-860. | 0.7 | 1 |
| 347 | Kinetics of $^{15}\text{NH}_4^+$ assimilation in tomato plants: evidence for $^{15}\text{NH}_4^+$ assimilation via GDH in tomato roots. <i>Journal of Plant Nutrition</i> , 1991, 14, 1341-1353. | 0.9 | 11 |
| 348 | Enhanced cell density culture of <i>Thiobacillus ferrooxidans</i> in membrane-type bioreactor with electrolytic reduction unit for ferric ion.. <i>Journal of Chemical Engineering of Japan</i> , 1991, 24, 291-296. | 0.3 | 17 |
| 349 | Micrometeorological studies of ammonia emission from sheep grazed swards. <i>Journal of Agricultural Science</i> , 1991, 117, 101-109. | 0.6 | 23 |
| 350 | Large-scale (20 l) culture of surface-immobilized <i>Catharanthus roseus</i> cells. <i>Enzyme and Microbial Technology</i> , 1991, 13, 882-892. | 1.6 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 351 | Activity and distribution of urease following microencapsulation within polyamide membranes. Enzyme and Microbial Technology, 1991, 13, 309-313. | 1.6 | 19 |
| 352 | Ammonium assimilation by spruce-Hebeloma sp. ectomycorrhizas. New Phytologist, 1991, 119, 541-550. | 3.5 | 56 |
| 353 | Production of Fish Protein Hydrolysates with Bacterial Proteases; Yield and Nutritional Value. Journal of Food Science, 1991, 56, 309-314. | 1.5 | 109 |
| 354 | Glutamate dehydrogenase regulation in callus cultures of Nicotiana plumbaginifolia: effect of glucose feeding and carbon source starvation on the isoenzymatic pattern. Plant, Cell and Environment, 1991, 14, 613-618. | 2.8 | 26 |
| 355 | A survey of yeast ureases and characterisation of partially purified Rhodosporidium paludigenum urease. FEMS Microbiology Letters, 1991, 79, 21-26. | 0.7 | 6 |
| 356 | Optimization of L-malic acid production by Aspergillus flavus in a stirred fermentor. Biotechnology and Bioengineering, 1991, 37, 1108-1116. | 1.7 | 165 |
| 357 | Growth and immobilization of tripterygium wilfordii cultured cells. Biotechnology and Bioengineering, 1991, 38, 1285-1291. | 1.7 | 7 |
| 358 | Effect of water extracts of neem (Azadirachta indica) on the activity of hydrolytic enzymes of mixed rumen bacteria from buffalo. Journal of the Science of Food and Agriculture, 1991, 57, 147-150. | 1.7 | 10 |
| 359 | The leaching and chemical transformations of surface-applied urea under flood irrigation. Fertilizer Research, 1991, 28, 139-146. | 0.5 | 9 |
| 360 | Effects of high ammonium concentrations on growth and anthocyanin formation in grape (Vitis Tj ETQq1 1 0.784314 rgBT /Overlock 1991, 27, 169-174. | 1.2 | 42 |
| 361 | Lysine catabolism and L-aminoadipate synthesis in Streptomyces clavuligerus. Applied Microbiology and Biotechnology, 1991, 35, 358-363. | 1.7 | 19 |
| 362 | Effects of some environmental factors on ammonia volatilization from simulated livestock urine applied to soil. Biology and Fertility of Soils, 1991, 11, 279-284. | 2.3 | 51 |
| 363 | Free ammonia, free amino acids, and enzyme activity in maize tissue treated with methionine sulfoximine. Journal of Plant Nutrition, 1991, 14, 883-895. | 0.9 | 10 |
| 364 | Acute toxicity of ammonia to juvenile inanga (Galaxias maculatus). New Zealand Journal of Marine and Freshwater Research, 1991, 25, 327-330. | 0.8 | 10 |
| 365 | Growth characteristics of Sesbania species under adverse edaphic conditions in relation to use as green manure in Japan. Soil Science and Plant Nutrition, 1992, 38, 741-747. | 0.8 | 5 |
| 366 | Enzymatic Production of D-Alanine from DL-Alaninamide by Novel D-Alaninamide Specific Amide Hydrolase. Bioscience, Biotechnology and Biochemistry, 1992, 56, 1980-1984. | 0.6 | 33 |
| 367 | Sporulation of Streptomyces antibioticus ETHZ 7451 in submerged culture. Canadian Journal of Microbiology, 1992, 38, 769-773. | 0.8 | 34 |
| 368 | Reactivity Towards Ozone of 2-Hydroxypyridine in Aqueous Solution. Ozone: Science and Engineering, 1992, 14, 177-184. | 1.4 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 369 | Effect of ammoniation and urea addition on chemical composition and digestibility of mature timothy hay, and rumen fluid characteristics of growing steers. <i>Canadian Journal of Animal Science</i> , 1992, 72, 299-308. | 0.7 | 8 |
| 370 | <i>Klebsiella aerogenes</i> urease gene cluster: sequence of ureD and demonstration that four accessory genes (ureD, ureE, ureF, and ureG) are involved in nickel metallocenter biosynthesis. <i>Journal of Bacteriology</i> , 1992, 174, 4324-4330. | 1.0 | 186 |
| 371 | Nitrogen fixation of <i>Sesbania rostrata</i> : Contribution of stem nodules to nitrogen acquisition. <i>Soil Science and Plant Nutrition</i> , 1992, 38, 775-780. | 0.8 | 15 |
| 372 | Use of Adenosine 5'-Triphosphate Nucleotide Pool as an Indicator of Biomass and Physiological Activity of Ruminant Microbial Populations in Sheep and in Artificial Fermentor (RUSITEC). <i>Archiv Fur Protistenkunde</i> , 1992, 142, 59-75. | 0.8 | 1 |
| 373 | Ammonia concentration vis-a-vis meteorological conditions at Delhi, India. <i>Atmospheric Research</i> , 1992, 28, 1-9. | 1.8 | 21 |
| 374 | Effects of ingestive and ruminative mastication on digestion of forage by cattle. <i>Animal Feed Science and Technology</i> , 1992, 40, 41-56. | 1.1 | 18 |
| 375 | Speciation of ammonium-containing species in atmospheric aerosols. <i>Atmospheric Environment Part A General Topics</i> , 1992, 26, 1995-2000. | 1.3 | 25 |
| 376 | Kinetic and thermodynamic behaviour of volatile ammonium compounds in industrial and marine atmospheres. <i>Atmospheric Environment Part A General Topics</i> , 1992, 26, 505-512. | 1.3 | 31 |
| 377 | Responses of Dairy Cows to Additions of Distillers Dried Grains with Solubles in Alfalfa-Based Diets. <i>Journal of Dairy Science</i> , 1992, 75, 1946-1953. | 1.4 | 23 |
| 378 | Quinoline ozonation in aqueous solution. <i>Water Research</i> , 1992, 26, 639-643. | 5.3 | 41 |
| 379 | Evidence of increased ¹⁵ N-ammonium assimilation in tomato plants with exogenous L-ketoglutarate. <i>Plant Science</i> , 1992, 85, 135-141. | 1.7 | 38 |
| 380 | Determination of ammonia using carbon dioxide laser photoacoustic spectroscopy compared with conventional spectrophotometry. <i>Analyst, The</i> , 1992, 117, 379-382. | 1.7 | 5 |
| 381 | Regulation of ammonium ion salvage and enhancement of the storage protein contents of corn, sweet potato, and yam tuber by N-(carboxymethyl)chitosan application. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 724-734. | 2.4 | 15 |
| 382 | Preliminary crystallographic studies of urease from jack bean and from <i>Klebsiella aerogenes</i> . <i>Journal of Molecular Biology</i> , 1992, 227, 934-937. | 2.0 | 53 |
| 383 | Étude in vivo de l'activité fermentaire cale chez le lapin. Mise au point et validation d'une nouvelle technique de canulation cale. <i>Reproduction, Nutrition, Development</i> , 1992, 32, 365-376. | 1.9 | 11 |
| 384 | Characterization of urease from <i>Sporosarcina ureae</i> . <i>Archives of Microbiology</i> , 1992, 157, 411-416. | 1.0 | 26 |
| 385 | Effects of plant material on ammonia volatilization from simulated livestock urine applied to soil. <i>Biology and Fertility of Soils</i> , 1992, 13, 92-95. | 2.3 | 17 |
| 386 | Status and distribution of soil sulphur fractions, total nitrogen and organic carbon in camp and non-camp soils of grazed pastures supplied with long-term superphosphate. <i>Biology and Fertility of Soils</i> , 1992, 14, 181-190. | 2.3 | 31 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 387 | Effect of insulin in the diet on the growth of European eels (<i>Anguilla anguilla</i> L.). <i>Fish Physiology and Biochemistry</i> , 1992, 10, 223-227. | 0.9 | 5 |
| 388 | Characterisation of the carbonate content of atmospheric aerosols. <i>Journal of Atmospheric Chemistry</i> , 1992, 14, 119-128. | 1.4 | 47 |
| 389 | The effect of lignocellulose on lignocellulolytic activity of <i>Pleurotus pulmonarius</i> in submerged culture. <i>Applied Microbiology and Biotechnology</i> , 1992, 36, 828. | 1.7 | 23 |
| 390 | Controlled mycelial growth for kojic acid production using Ca-alginate-immobilized fungal cells. <i>Applied Microbiology and Biotechnology</i> , 1992, 36, 578-83. | 1.7 | 25 |
| 391 | Agrochemical resistant mutants of nitrogen fixing cyanobacterium <i>Tolypothrix tenuis</i> as nitrogen fertilizer for rice. <i>Biotechnology Letters</i> , 1992, 14, 969-974. | 1.1 | 0 |
| 392 | Ammonia volatilization from grassland receiving nitrogen fertilizer and rotationally grazed by dairy cattle. <i>Fertilizer Research</i> , 1992, 33, 257-265. | 0.5 | 55 |
| 393 | Nitrogen mineralization, nitrate leaching and crop growth following cultivation of a temporary leguminous pasture in autumn and winter. <i>Fertilizer Research</i> , 1992, 33, 59-70. | 0.5 | 64 |
| 394 | Changes in soil solution composition and pH in urine-affected areas of pasture. <i>Journal of Soil Science</i> , 1992, 43, 323-334. | 1.2 | 102 |
| 395 | Adiabatic calorimetry for safety studies in nitration processes. <i>Thermochimica Acta</i> , 1992, 199, 159-164. | 1.2 | 3 |
| 396 | Kinetics and activity distribution of grease coencapsulated with hemoglobin within polyamide membranes. <i>Applied Biochemistry and Biotechnology</i> , 1992, 32, 111-126. | 1.4 | 14 |
| 397 | A novel method to supply the inhibitory aromatic compounds in aerobic biodegradation process. <i>Biotechnology Letters</i> , 1992, 6, 489-494. | 0.5 | 7 |
| 398 | Nitrogen leaching losses from pig slurry applied to a shallow soil. <i>Bioresource Technology</i> , 1992, 41, 251-258. | 4.8 | 5 |
| 399 | Use of various measurements for biomass estimation. <i>Biotechnology Progress</i> , 1992, 8, 81-84. | 1.3 | 30 |
| 400 | Physiological and genetic strategies for enhanced subtilisin production by <i>Bacillus subtilis</i> . <i>Biotechnology Progress</i> , 1992, 8, 211-218. | 1.3 | 23 |
| 401 | Development of a helical-ribbon impeller bioreactor for high-density plant cell suspension culture. <i>Biotechnology and Bioengineering</i> , 1992, 39, 511-521. | 1.7 | 93 |
| 402 | Metabolic characterization of aL-lysine-producing strain by continuous culture. <i>Biotechnology and Bioengineering</i> , 1992, 39, 565-574. | 1.7 | 73 |
| 403 | Surface immobilization of anchorage-dependent mammalian cells. <i>Biotechnology and Bioengineering</i> , 1992, 39, 697-706. | 1.7 | 15 |
| 404 | Cultivation characteristics of immobilized <i>Aspergillus oryzae</i> for kojic acid production. <i>Biotechnology and Bioengineering</i> , 1992, 39, 903-906. | 1.7 | 66 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 405 | Culture instability of auxotrophic amino acid producers. <i>Biotechnology and Bioengineering</i> , 1992, 40, 75-85. | 1.7 | 13 |
| 406 | A novel bioreactor for the biodegradation of inhibitory aromatic solvents: Experimental results and mathematical analysis. <i>Biotechnology and Bioengineering</i> , 1992, 40, 1403-1411. | 1.7 | 25 |
| 407 | Effect of subunit dissociation, denaturation, aggregation, coagulation, and decomposition on enzyme inactivation kinetics: II. Biphasic and grace period behavior. <i>Biotechnology and Bioengineering</i> , 1992, 40, 1427-1434. | 1.7 | 57 |
| 408 | Nitrogenous constituents in the urine of cattle, sheep and goats. <i>Journal of the Science of Food and Agriculture</i> , 1992, 59, 387-394. | 1.7 | 200 |
| 409 | Scale-up of purine nucleoside fermentation from a shaking flask to a stirred-tank fermentor. <i>Applied Microbiology and Biotechnology</i> , 1993, 38, 581-5. | 1.7 | 11 |
| 410 | Accumulation of PHA and its copolyesters by <i>Methylobacterium</i> sp. KCTC 0048. <i>Biotechnology Letters</i> , 1993, 15, 1017-1020. | 1.1 | 21 |
| 411 | Site-directed mutagenesis of <i>Klebsiella aerogenes</i> urease: Identification of histidine residues that appear to function in nickel ligation, substrate binding, and catalysis. <i>Protein Science</i> , 1993, 2, 1034-1041. | 3.1 | 83 |
| 412 | Ammonium requirement for radiation-induced accumulation of polyamines in suspension-cultured grape cells. <i>Physiologia Plantarum</i> , 1993, 87, 389-395. | 2.6 | 7 |
| 413 | Simultaneous biodegradation of toluene and p-xylene in a novel bioreactor: experimental results and mathematical analysis. <i>Biotechnology Progress</i> , 1993, 9, 46-53. | 1.3 | 31 |
| 414 | The volatilization of ammonia from cattle urine applied to soils as influenced by soil properties. <i>Plant and Soil</i> , 1993, 148, 43-51. | 1.8 | 72 |
| 415 | Isolation and characterization of urease from <i>Aspergillus niger</i> . <i>Journal of General Microbiology</i> , 1993, 139, 957-962. | 2.3 | 40 |
| 416 | Ozonolysis of 3-amino-1-methyl-5-H-pyrido[4,3-b]indole (Trp-P-2): Effects on the genotoxicity and cytotoxicity and identification of the ozonation products. <i>Chemosphere</i> , 1993, 27, 565-576. | 4.2 | 1 |
| 417 | Development and evaluation of Uromalt-20 as concentrate feed for growing cattle. <i>Animal Feed Science and Technology</i> , 1993, 44, 169-180. | 1.1 | 0 |
| 418 | Effect of a commercial enzyme preparation on alfalfa silage fermentation and protein degradability. <i>Animal Feed Science and Technology</i> , 1993, 42, 273-282. | 1.1 | 8 |
| 419 | Influence of urea feeding duration on nitrogen metabolism of rumen bacteria and their host sheep. <i>Animal Feed Science and Technology</i> , 1993, 40, 177-189. | 1.1 | 1 |
| 420 | Cereal grain digestion by selected strains of ruminal fungi. <i>Canadian Journal of Microbiology</i> , 1993, 39, 367-376. | 0.8 | 26 |
| 421 | Ozonation of 1, 1' dimethyl, 4,4' bipyridinium dichloride (Paraquat) in aqueous solution. <i>Environmental Technology (United Kingdom)</i> , 1993, 14, 695-700. | 1.2 | 9 |
| 422 | Bis[1,2-bis(dimethylphosphino)ethane]dihydrogenhydridoiron(II) tetraphenylborate as a model for the function of nitrogenases. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 3041. | 1.1 | 91 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 423 | Dinitrogen and related compounds of molybdenum with the tripodal phosphines N(CH ₂ CH ₂ PPh ₂) ₃ or P(CH ₂ CH ₂ PPh ₂) ₃ as coligands. Journal of the Chemical Society Dalton Transactions, 1993, , 923-926. | 1.1 | 7 |
| 424 | 3 The chemistry of water. Studies in Environmental Science, 1993, 53, 14-325. | 0.0 | 2 |
| 425 | Indoor concentrations of ammonia and the potential contribution of humans to atmospheric budgets. Atmospheric Environment Part A General Topics, 1993, 27, 1-7. | 1.3 | 42 |
| 426 | Nitrogen uptake by tropical orchids. Environmental and Experimental Botany, 1993, 33, 273-281. | 2.0 | 14 |
| 427 | Use of lignosulfonate to decrease the rumen degradability of canola meal protein. Canadian Journal of Animal Science, 1993, 73, 211-215. | 0.7 | 45 |
| 428 | Pattern of volatilized nitrogen loss from dryland kikuyu pastures after fertilization. African Journal of Range and Forage Science, 1993, 10, 86-91. | 0.6 | 3 |
| 429 | Purification and Characterization of Homospermidine Synthase in Acinetobacter tartarogenes ATCC 31105. Journal of Biochemistry, 1993, 114, 45-49. | 0.9 | 23 |
| 430 | Nitrogen in the excreta of dairy cattle: changes during short-term storage. Journal of Agricultural Science, 1993, 121, 73-81. | 0.6 | 35 |
| 431 | Effects of intraruminal infusions of urea, sucrose or urea plus sucrose on plasma urea and glucose kinetics in sheep fed chopped lucerne hay. Journal of Agricultural Science, 1993, 121, 125-130. | 0.6 | 21 |
| 432 | Total Parenteral Nutrition Containing Medium- vs. Long-Chain Triglyceride Emulsions Elevates Plasma Cholesterol Concentrations in Rats , ,. Journal of Nutrition, 1993, 123, 883-892. | 1.3 | 15 |
| 433 | Net flux of metabolites across the ruminal wall of sheep fed twice a day with orchardgrass hay. Journal of Animal Science, 1993, 71, 2529-2538. | 0.2 | 34 |
| 434 | Effects of mastication on digestion of whole cereal grains by cattle ² . Journal of Animal Science, 1994, 72, 236-246. | 0.2 | 103 |
| 435 | A comparative study of nutrient digestibility, kinetics of digestion and passage and rumen fermentation pattern in goats and sheep offered medium quality forages at the maintenance level of feeding. Archiv Fur Tierernahrung, 1994, 46, 37-50. | 0.3 | 49 |
| 436 | 1,2 phenylenediamine abatement in aqueous solution by ozone. Environmental Technology (United Tj ETQq1 1 0.784314 rgBT /Over 1.2 | | |
| 437 | In vitro activation of urease apoprotein and role of UreD as a chaperone required for nickel metallocenter assembly.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 3233-3237. | 3.3 | 118 |
| 438 | Effect of <i>Saccharomyces cerevisiae</i> yeast culture supplement on ruminal metabolism in buffalo calves given a high concentrate diet. Animal Science, 1994, 59, 209-215. | 1.3 | 39 |
| 439 | Effects of Glutamine Synthetase Inhibitors on Rice Sterility. Bioscience, Biotechnology and Biochemistry, 1994, 58, 669-673. | 0.6 | 8 |
| 440 | Culture of immobilized insect cells. Bioprocess and Biosystems Engineering, 1994, 11, 189-197. | 0.5 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 441 | Nutrient accumulation and translocation in maturing wheat plants grown on waterlogged soil. <i>Plant and Soil</i> , 1994, 160, 87-95. | 1.8 | 39 |
| 442 | Control of photosynthesis in barley leaves with reduced activities of glutamine synthetase or glutamate synthase. <i>Planta</i> , 1994, 194, 406-417. | 1.6 | 74 |
| 443 | Characterization of <i>Coptis japonica</i> cells with different alkaloid productivities. <i>Plant Cell, Tissue and Organ Culture</i> , 1994, 38, 249-256. | 1.2 | 25 |
| 444 | Relationships between ammonia volatilization and nitrogen fertilizer application rate, intake and excretion of herbage nitrogen by cattle on grazed swards. <i>Fertilizer Research</i> , 1994, 38, 111-121. | 0.5 | 64 |
| 445 | Performance of beef weaners on kikuyu silage supplemented with maize meal alone and in combination with protein of low degradability. <i>Journal of the Science of Food and Agriculture</i> , 1994, 66, 133-137. | 1.7 | 0 |
| 446 | Induction of apoptosis in nutrient-deprived cultures of hybridoma and myeloma cells. <i>Biotechnology and Bioengineering</i> , 1994, 44, 1140-1154. | 1.7 | 276 |
| 447 | Seasonal development of hypolimnetic ciliate communities in a eutrophic pond. <i>FEMS Microbiology Ecology</i> , 1994, 14, 293-306. | 1.3 | 18 |
| 448 | Effects of nitrification inhibitor and acid addition to cattle slurry on nitrogen losses and herbage yields. <i>Grass and Forage Science</i> , 1994, 49, 209-215. | 1.2 | 32 |
| 449 | Rumen fermentation pattern in goats and sheep grazing pastures from semiarid Spanish lands unsupplemented or supplemented with barley grain or barley grain-urea. <i>Livestock Science</i> , 1994, 39, 81-84. | 1.2 | 14 |
| 450 | Characterization of an extremely thermophilic sulphur-metabolizing archaeobacterium belonging to the Thermococcales. <i>Archives of Microbiology</i> , 1994, 162, 261-266. | 1.0 | 25 |
| 451 | Ammonium repression of antibiotic and intracellular proteinase production in <i>Penicillium urticae</i> . <i>Applied Microbiology and Biotechnology</i> , 1994, 41, 447-455. | 1.7 | 16 |
| 452 | P(CH ₂ OH) ₃ ? a new coupling reagent for the covalent immobilisation of enzymes. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 2181. | 2.0 | 14 |
| 453 | Effect of sodium metabisulphite on proteolysis and rumen degradability of alfalfa silage protein. <i>Animal Feed Science and Technology</i> , 1994, 48, 143-151. | 1.1 | 4 |
| 454 | Atmospheric pollutants and their influence on acidification of rain water at an industrial location on the West Coast OF India. <i>Atmospheric Environment</i> , 1994, 28, 3145-3154. | 1.9 | 51 |
| 455 | A novel polymeric phosphine oxide-derived support for enzyme immobilisation. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 245. | 2.0 | 6 |
| 456 | Dinitrogenvanadates(â€“I): synthesis, reactions and conditions for their stability. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 3471-3477. | 1.1 | 37 |
| 457 | The effect of bacterial inoculants on kikuyu silage quality. <i>Journal of Agricultural Science</i> , 1994, 122, 53-60. | 0.6 | 3 |
| 458 | Influence of sucrose supplementation on nitrogen kinetics and energy metabolism in sheep fed with lucerne hay cubes. <i>Journal of Agricultural Science</i> , 1994, 123, 121-127. | 0.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 459 | Methacrylic acid-acrylamide-g-poly(ethyleneterephthalate) fibres for urea hydrolysis. Journal of Chemical Technology and Biotechnology, 1995, 63, 174-180. | 1.6 | 13 |
| 460 | Saccharomyces cerevisiae and Aspergillus oryzae, used alone or in combination, as a feed supplement for beef and dairy cattle. Canadian Journal of Animal Science, 1995, 75, 405-415. | 0.7 | 28 |
| 461 | Formation of lysinoalanine following alkaline processing of soya bean meal in relation to the degradability of protein in the rumen. Journal of the Science of Food and Agriculture, 1995, 68, 59-64. | 1.7 | 16 |
| 462 | Determination of lignin in the presence of ester-bound substituted cinnamic acids by a modified acetyl bromide procedure. Journal of the Science of Food and Agriculture, 1995, 69, 151-157. | 1.7 | 23 |
| 463 | Evaluation of flow injection methods for ammonium determination in wastewater samples. Analytica Chimica Acta, 1995, 311, 165-173. | 2.6 | 45 |
| 464 | Poly(phosphine oxides) as supports for enzyme immobilisation. European Polymer Journal, 1995, 31, 981-985. | 2.6 | 4 |
| 465 | Determination of urea in blood serum by a urease biosensor based on an ion-sensitive field-effect transistor. Sensors and Actuators B: Chemical, 1995, 27, 429-431. | 4.0 | 60 |
| 466 | The enthalpimetric determination of inhibition constants for the inhibition of urease by fluoride ion. Thermochimica Acta, 1995, 249, 301-311. | 1.2 | 11 |
| 467 | Wet-only and bulk deposition studies at New Delhi (India). Water, Air, and Soil Pollution, 1995, 85, 2137-2142. | 1.1 | 55 |
| 468 | A study on short-time sampling of individual rain events at New Delhi during monsoon, 1994. Water, Air, and Soil Pollution, 1995, 85, 2143-2148. | 1.1 | 12 |
| 469 | Production of Manganese Peroxidase by free pellets of Phanerochaete chrysosporium in an Expanded-Bed Bioreactor. Biotechnology Letters, 1995, 9, 371-376. | 0.5 | 11 |
| 470 | The selection mechanism of phosphinothricin is influenced by the metabolic status of the tissue. Planta, 1995, 197, 619-626. | 1.6 | 33 |
| 471 | Regulation of nitrogen-metabolizing enzymes in the commercial Mushroom Agaricus bisporus. Current Microbiology, 1995, 31, 345-350. | 1.0 | 12 |
| 472 | Polymeric phosphine oxide polyether-derived copolymer as a support for urease immobilization. Enzyme and Microbial Technology, 1995, 17, 804-808. | 1.6 | 17 |
| 473 | P(CH ₂ OH) ₃ -polyetheramine-derived polymeric films for enzyme immobilization. Enzyme and Microbial Technology, 1995, 17, 746-750. | 1.6 | 4 |
| 474 | Encapsulation of urease enzyme in xanthan-alginate spheres. Biomaterials, 1995, 16, 1157-1161. | 5.7 | 69 |
| 475 | Urease immobilized on modified polysulphone membrane: Preparation and properties. Biomaterials, 1995, 16, 129-134. | 5.7 | 78 |
| 476 | Nutrient budgets and status in three pairs of conventional and alternative mixed cropping farms in Canterbury, New Zealand. Agriculture, Ecosystems and Environment, 1995, 52, 149-162. | 2.5 | 77 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 477 | Effect of initial phosphate concentration on cell growth and ginsenoside saponin production by suspended cultures of panax notoginseng. Applied Biochemistry and Biotechnology, 1995, 55, 241-247. | 1.4 | 50 |
| 478 | In vivo study of circadian variations of the cecal fermentation pattern in postweaned and adult rabbits.. Journal of Animal Science, 1995, 73, 128. | 0.2 | 49 |
| 479 | Evidence for the presence of urease apoprotein complexes containing UreD, UreF, and UreG in cells that are competent for in vivo enzyme activation. Journal of Bacteriology, 1995, 177, 1947-1951. | 1.0 | 83 |
| 480 | Ammonium assimilation in rice based on the occurrence of ¹⁵ N and inhibition of glutamine synthetase activity. Journal of Plant Nutrition, 1995, 18, 1861-1873. | 0.9 | 2 |
| 481 | Essential Role of Urease in Germination of Nitrogen-Limited Arabidopsis thaliana Seeds. Plant Physiology, 1995, 107, 1097-1103. | 2.3 | 207 |
| 482 | Requirement of carbon dioxide for in vitro assembly of the urease nickel metallocenter. Science, 1995, 267, 1156-1158. | 6.0 | 161 |
| 483 | Influence of the form of nitrogen on ammonium, amino acids and nitrifying enzyme activity in maize genotypes1. Journal of Plant Nutrition, 1995, 18, 747-763. | 0.9 | 18 |
| 484 | Similarities in response of maize genotypes to water logging and ammonium toxicity1. Journal of Plant Nutrition, 1995, 18, 2339-2346. | 0.9 | 13 |
| 485 | Effect of vanadate on <i>Phaseolus vulgaris</i> L.: Vegetative development and nitrogen metabolism. Journal of Plant Nutrition, 1995, 18, 1139-1148. | 0.9 | 7 |
| 486 | Effect of fibre level reduction and gluco-oligosaccharide addition on the growth performance and caecal fermentation in the growing rabbit. Animal Feed Science and Technology, 1995, 56, 253-263. | 1.1 | 18 |
| 487 | Complete oxidation of metolachlor and methyl parathion in water by the photoassisted Fenton reaction. Water Research, 1995, 29, 1837-1844. | 5.3 | 134 |
| 488 | Effect of addition of extracellular culture fluid on ligninolytic enzyme formation in Phanerochaete chrysosporium. Journal of Biotechnology, 1995, 40, 21-29. | 1.9 | 11 |
| 489 | Chemical composition of fresh snow from Gulmarg, North India. Environmental Pollution, 1995, 87, 167-171. | 3.7 | 8 |
| 490 | Development of a continuous system for the degradation of a cyanuric acid by adsorbed Pseudomonas sp. NRRL B-12228. Applied Microbiology and Biotechnology, 1995, 43, 150-155. | 1.7 | 14 |
| 491 | Utilization of chlorinated s-triazines by a new strain of Klebsiella pneumoniae. Applied Microbiology and Biotechnology, 1995, 42, 763-768. | 1.7 | 12 |
| 492 | Glutamine Synthetase Activity, Ammonium Accumulation and Growth of Callus Cultures of Asparagus officinalis L. Exposed to High Ammonium or Phosphinothricin. Journal of Plant Physiology, 1995, 146, 686-692. | 1.6 | 11 |
| 493 | Improved Method for Manual, Colorimetric Determination of Total Kjeldahl Nitrogen Using Salicylate. Journal of Agricultural and Food Chemistry, 1996, 44, 1804-1807. | 2.4 | 184 |
| 494 | Effects of plant growth regulators on cell growth and ginsenoside saponin production by suspension cultures of Panax quinquefolium. Journal of Biotechnology, 1996, 45, 227-234. | 1.9 | 76 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 495 | Catalytic Reduction of Hydrazine to Ammonia with MoFe ₃ S ₄ Polycarboxylate Clusters. Possible Relevance Regarding the Function of the Molybdenum-Coordinated Homocitrate in Nitrogenase. <i>Inorganic Chemistry</i> , 1996, 35, 4038-4046. | 1.9 | 116 |
| 496 | Metal Ion Interactions with Urease and UreD-Urease Apoproteins. <i>Biochemistry</i> , 1996, 35, 5345-5352. | 1.2 | 78 |
| 497 | Characterization of dry deposition associated with fire in plastic scrap market of west Delhi. <i>Chemosphere</i> , 1996, 32, 2263-2268. | 4.2 | 1 |
| 498 | Identification, sequencing and mutagenesis of the gene for a γ -carbamoylase from <i>Agrobacterium radiobacter</i> . <i>FEMS Microbiology Letters</i> , 1996, 145, 55-62. | 0.7 | 3 |
| 499 | Investigation into atmospheric deposition through precipitation studies at New Delhi (India). <i>Atmospheric Environment</i> , 1996, 30, 4149-4154. | 1.9 | 125 |
| 500 | A prospective randomized trial comparing continuous versus intermittent feeding methods in very low birth weight neonates. <i>Journal of Pediatrics</i> , 1996, 128, 748-752. | 0.9 | 71 |
| 501 | Effects of the synchronization of the rate of carbohydrates and nitrogen release of the concentrate on rumen fermentation, plasma metabolites and insulin, in the dry pregnant goat. <i>Animal Feed Science and Technology</i> , 1996, 63, 163-178. | 1.1 | 9 |
| 502 | Duodenal Flow of Microbial and Feed Nitrogen In Sheep Fed Normal Soybean Meal or Soybean Meal Treated with Modified Zein. <i>Journal of Dairy Science</i> , 1996, 79, 121-126. | 1.4 | 8 |
| 503 | Intake, Site, and Extent of Nutrient Digestion of Lactating Cows Grazing Pasture. <i>Journal of Dairy Science</i> , 1996, 79, 1581-1589. | 1.4 | 44 |
| 504 | Analysis of glucose carbon fluxes in continuous cultures of <i>Bacillus thuringiensis</i> . <i>Applied Microbiology and Biotechnology</i> , 1996, 46, 78-84. | 1.7 | 18 |
| 505 | Cell density influences antibiotic biosynthesis in <i>Streptomyces clavuligerus</i> . <i>Microbiology (United Kingdom)</i> , 1996, 130, 107-110. | 0.7 | 60 |
| 506 | Interactions between ¹⁴ C-labelled atrazine and the soil microbial biomass in relation to herbicide degradation. <i>Biology and Fertility of Soils</i> , 1996, 21, 17-22. | 2.3 | 38 |
| 507 | Reduction of dinitrogen bound at an iron(0) centre. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 3539. | 1.1 | 49 |
| 508 | Purification, characterization, and functional analysis of a truncated <i>Klebsiella aerogenes</i> UreE urease accessory protein lacking the histidine-rich carboxyl terminus. <i>Journal of Bacteriology</i> , 1996, 178, 5410-5416. | 1.0 | 86 |
| 509 | The Feeding Value of Soybeans Fed to Rats, Chickens, Catfish and Dairy Cattle Is not Altered by Genetic Incorporation of Glyphosate Tolerance. <i>Journal of Nutrition</i> , 1996, 126, 717-727. | 1.3 | 173 |
| 510 | Purification and activation properties of UreD-UreF-urease apoprotein complexes. <i>Journal of Bacteriology</i> , 1996, 178, 5417-5421. | 1.0 | 79 |
| 511 | Zur Frage der Unterflursicherung nichtstationärer Stallmistzwischenlagerung mit Bentonit oder Stroh. <i>Zeitschrift Für Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1996, 159, 337-342. | 0.4 | 1 |
| 512 | Consequences of reduced fibre intake on digestion, rate of passage and caecal microbial activity in the young rabbit. <i>British Journal of Nutrition</i> , 1996, 75, 353-363. | 1.2 | 51 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 513 | Effect of pH, temperature, amount of litter and storage density on ammonia emissions from stable manure. <i>Journal of Agricultural Science</i> , 1996, 127, 501-509. | 0.6 | 99 |
| 514 | The preference of pigs for fresh air over ammoniated air. <i>Applied Animal Behaviour Science</i> , 1996, 49, 417-424. | 0.8 | 36 |
| 515 | Acrylamide grafted poly(ethylene terephthalate) fibers activated by glutaraldehyde as support for urease. <i>Applied Biochemistry and Biotechnology</i> , 1996, 60, 19-32. | 1.4 | 13 |
| 516 | The experimental watershed liming study: Comparison of lake and watershed neutralization strategies. <i>Biogeochemistry</i> , 1996, 32, 143-174. | 1.7 | 86 |
| 517 | Purification, characterization, and pathogenicity of urease produced by <i>Vibrio parahaemolyticus</i> . , 1996, 10, 70-73. | | 31 |
| 518 | pH-controlled uphill transport of ammonium ions through polymer membranes with sulfonic acid groups. <i>Angewandte Makromolekulare Chemie</i> , 1996, 240, 251-261. | 0.3 | 3 |
| 519 | Solute modulation of urease inactivation kinetics. <i>Enzyme and Microbial Technology</i> , 1996, 19, 232-237. | 1.6 | 5 |
| 520 | Control of pellet morphology of filamentous fungi in fluidized bed bioreactors by means of a pulsing flow. Application to <i>Aspergillus niger</i> and <i>Phanerochaete chrysosporium</i> . <i>Enzyme and Microbial Technology</i> , 1996, 19, 261-266. | 1.6 | 49 |
| 521 | Electrochemical cleavage of the nitrogen-nitrogen bond in hydrazido(2-) complexes of molybdenum: Formation of ammonia. <i>Polyhedron</i> , 1996, 15, 2377-2379. | 1.0 | 10 |
| 522 | Synthesis of phenyldiazenido, phenylhydrazido and diorganohydrazido complexes of molybdenum and tungsten and their reactions with acids. <i>Polyhedron</i> , 1996, 15, 4031-4040. | 1.0 | 10 |
| 523 | Ammonium ion salvage by glutamate dehydrogenase during defence response in maize. <i>Phytochemistry</i> , 1996, 42, 1491-1498. | 1.4 | 24 |
| 524 | A rapid urease test for presumptive identification of <i>Cryptococcus neoformans</i> . <i>Mycopathologia</i> , 1996, 136, 21-23. | 1.3 | 12 |
| 525 | Disturbed ammonium assimilation is associated with growth inhibition of roots in rice seedlings caused by NaCl. <i>Plant Growth Regulation</i> , 1996, 18, 233-238. | 1.8 | 107 |
| 526 | Degradation of 3-nitrophenol by <i>Pseudomonas putida</i> B2 occurs via 1,2,4-benzenetriol. <i>Biodegradation</i> , 1996, 7, 303-311. | 1.5 | 58 |
| 527 | Growth-associated production of poly- γ -hydroxybutyrate from glucose or alcoholic distillery wastewater by <i>Actinobacillus</i> sp. EL-9. <i>Biotechnology Letters</i> , 1996, 18, 1229-1234. | 1.1 | 32 |
| 528 | Enhancement of L-glutamate oxidase production in liquid fermentation of <i>Streptomyces</i> sp. by calcium addition. <i>Biotechnology Letters</i> , 1996, 10, 453. | 0.5 | 1 |
| 529 | Control of photosynthesis in barley mutants with reduced activities of glutamine synthetase and glutamate synthase. <i>Planta</i> , 1996, 200, 388. | 1.6 | 53 |
| 530 | Nitrogen regulation of urease synthesis in <i>Saccharopolyspora erythraea</i> ATCC 11365. <i>FEMS Microbiology Letters</i> , 1996, 139, 57-62. | 0.7 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 531 | Identification, sequencing and mutagenesis of the gene for a d-carbamoylase from <i>Agrobacterium radiobacter</i> . <i>FEMS Microbiology Letters</i> , 1996, 145, 55-62. | 0.7 | 32 |
| 532 | Effect of Nitrogen Source on Cell Growth and Production of Ginseng Saponin and Polysaccharide in Suspension Cultures of <i>Panax notoginseng</i> . <i>Biotechnology Progress</i> , 1996, 12, 567-571. | 1.3 | 56 |
| 533 | Topological Mapping of the Cysteine Residues of N-Carbamyl-D-amino-acid Amidohydrolase and Their Role in Enzymatic Activity. <i>Journal of Biological Chemistry</i> , 1996, 271, 9326-9331. | 1.6 | 61 |
| 534 | Use of a semi-continuous culture system (RUSITEC) to study the effect of pH on microbial metabolism of thiamin (Vitamin B1). <i>Archiv Fur Tierernahrung</i> , 1996, 49, 193-202. | 0.3 | 5 |
| 535 | Guanosine 5'-diphosphate 3'-diphosphate (ppGpp), guanosine 5'-diphosphate 3'-monophosphate (ppGp) and antibiotic production in <i>Streptomyces clavuligerus</i> . <i>Microbiology (United Kingdom)</i> , 1996, 142, 1789-1795. | 0.7 | 21 |
| 536 | Comparison of ciliate communities in the anoxic hypolimnia of three lakes: general features and the influence of lake characteristics. <i>Journal of Plankton Research</i> , 1996, 18, 335-353. | 0.8 | 36 |
| 537 | Microbial thiamin metabolism in the rumen simulating fermenter (RUSITEC): the effect of acidogenic conditions, a high sulfur level and added thiamin. <i>British Journal of Nutrition</i> , 1997, 78, 599-613. | 1.2 | 19 |
| 538 | Effect of feeding diets containing an antibiotic, a probiotic, or yucca extract on growth and intestinal urease activity in broiler chicks. <i>Poultry Science</i> , 1997, 76, 381-385. | 1.5 | 187 |
| 539 | Amino acid utilisation and deamination of glutamine and asparagine by <i>Helicobacter pylori</i> . <i>Journal of Medical Microbiology</i> , 1997, 46, 793-800. | 0.7 | 52 |
| 540 | The Effect of Carbon Source, Temperature and Aeration on the Production of Ascosteroside, a Novel Antifungal Agent, by <i>Ascotricha amphitricha</i> . <i>Journal of Antibiotics</i> , 1997, 50, 412-417. | 1.0 | 5 |
| 541 | Nucleotide sequences and regulational analysis of genes involved in conversion of aniline to catechol in <i>Pseudomonas putida</i> UCC22(pTDN1). <i>Journal of Bacteriology</i> , 1997, 179, 399-408. | 1.0 | 131 |
| 542 | Antioxidative Activity of Barley Hordein and Its Loss by Deamidation. <i>Journal of Nutritional Science and Vitaminology</i> , 1997, 43, 145-154. | 0.2 | 14 |
| 543 | Peanut glutamate dehydrogenase: A target site of herbicide action. <i>Soil Science and Plant Nutrition</i> , 1997, 43, 1159-1164. | 0.8 | 1 |
| 544 | Substitution of the Urease Active Site Carbamate by Dithiocarbamate and Vanadate. <i>Biochemistry</i> , 1997, 36, 15118-15122. | 1.2 | 17 |
| 545 | Preparation and scanning electronic microscopy study of chitosan/polyvinyl (alcohol)-encapsulated crude urease extract. <i>Journal of Microencapsulation</i> , 1997, 14, 639-646. | 1.2 | 6 |
| 546 | Structures of Cys319 Variants and Acetohydroxamate-Inhibited <i>Klebsiella aerogenes</i> Urease. <i>Biochemistry</i> , 1997, 36, 8164-8172. | 1.2 | 225 |
| 547 | Rhizosphere soil enzymes as indicators of perturbations caused by enzyme substrate addition and inoculation of a genetically modified strain of <i>Pseudomonas fluorescens</i> on wheat seed. <i>Soil Biology and Biochemistry</i> , 1997, 29, 1353-1362. | 4.2 | 141 |
| 548 | The effect of different treatment processes on estimates of radionuclide distribution coefficients in freshwater sediments. <i>Water Research</i> , 1997, 31, 49-54. | 5.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 549 | A Blend of Animal and Cereal Protein or Fish Meal as Partial Replacement for Soybean Meal in the Diets of Lactating Holstein Cows. <i>Journal of Dairy Science</i> , 1997, 80, 160-166. | 1.4 | 23 |
| 550 | Effect of Degradability of Dietary Protein and Fat on Ruminal, Blood, and Milk Components of Jersey and Holstein Cows. <i>Journal of Dairy Science</i> , 1997, 80, 353-363. | 1.4 | 52 |
| 551 | Lactational Performance of Cows Fed Low or High Ruminally Undegradable Protein Prepartum and Supplemental Methionine and Lysine Postpartum. <i>Journal of Dairy Science</i> , 1997, 80, 722-729. | 1.4 | 38 |
| 552 | Comparison of Hull-less Barley, Barley, or Corn for Lactating Cows: Effects on Extent of Digestion and Milk Production. <i>Journal of Dairy Science</i> , 1997, 80, 2475-2486. | 1.4 | 75 |
| 553 | Diurnal Variation in Milk and Plasma Urea Nitrogen in Holstein and Jersey Cows in Response to Degradable Dietary Protein and Added Fat. <i>Journal of Dairy Science</i> , 1997, 80, 3368-3376. | 1.4 | 30 |
| 554 | The voluntary intake and rumen digestion by grazing goats and sheep of a low-quality pasture from a semi-arid land. <i>Livestock Science</i> , 1997, 52, 39-47. | 1.2 | 28 |
| 555 | Ruminal undegradability of blood meal and effects of blood meal on ruminal and postruminal digestion in steers consuming vegetative orchardgrass hay.. <i>Journal of Animal Science</i> , 1997, 75, 2788. | 0.2 | 2 |
| 556 | Characterization of UreG, identification of a UreD-UreF-UreG complex, and evidence suggesting that a nucleotide-binding site in UreG is required for in vivo metallocenter assembly of <i>Klebsiella aerogenes</i> urease. <i>Journal of Bacteriology</i> , 1997, 179, 4081-4086. | 1.0 | 115 |
| 557 | Deamidation-induced fragmentation of maize zein, and its linked reduction in fatty acid-binding capacity as well as antioxidative effect. <i>Food Chemistry</i> , 1997, 58, 111-117. | 4.2 | 21 |
| 558 | Nitrous oxide production by nitrifying biofilms in a biofilm airlift suspension reactor. <i>Water Science and Technology</i> , 1997, 36, 157. | 1.2 | 11 |
| 559 | Inhibition of chitosan-immobilized urease by boric acid as determined by integration methods. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1997, 3, 231-238. | 1.8 | 33 |
| 560 | Effects of initial phosphate concentration on physiological aspects of suspension cultures of rice cells: A kinetic study. <i>Journal of Bioscience and Bioengineering</i> , 1997, 83, 381-385. | 0.9 | 13 |
| 561 | Nutrient effects on FK-506, a new immunosuppressant, production by <i>Streptomyces</i> sp. in a defined medium. <i>Journal of Bioscience and Bioengineering</i> , 1997, 83, 599-603. | 0.9 | 23 |
| 562 | Ammonium-inhibited growth of suspension-cultured rice cells as affected by medium pH. <i>Plant Growth Regulation</i> , 1997, 21, 1-6. | 1.8 | 6 |
| 563 | Ammonium accumulation in relation to growth of rice cell suspension under phosphate deprivation. <i>Biologia Plantarum</i> , 1997, 39, 447-451. | 1.9 | 0 |
| 564 | Indices of plant N availability in an alpine grassland under elevated atmospheric CO ₂ . <i>Plant and Soil</i> , 1997, 190, 61-66. | 1.8 | 17 |
| 565 | Ecological pre-release risk assessment of two genetically engineered, bioluminescent <i>Rhizobium meliloti</i> strains in soil column model systems. <i>Biology and Fertility of Soils</i> , 1997, 25, 340-348. | 2.3 | 8 |
| 566 | Overexpression of cytosolic malate dehydrogenase (MDH2) causes overproduction of specific organic acids in <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 1997, 48, 248-255. | 1.7 | 58 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 567 | Decolorization of ion-exchange effluents derived from sugar-mill operations by <i>Bjerkandera</i> sp. BOS55. <i>International Biodeterioration and Biodegradation</i> , 1997, 40, 125-129. | 1.9 | 53 |
| 568 | A simple laboratory experiment for the teaching of the assay and kinetic characterization of enzymes. <i>Biochemical Education</i> , 1997, 25, 106-109. | 0.1 | 6 |
| 569 | Urease immobilized on an aminated polysulphone membrane - inhibition by boric acid. <i>Acta Biotechnologica</i> , 1997, 17, 223-230. | 1.0 | 1 |
| 570 | Continuous production of manganese peroxidase by <i>Phanerochaete chrysosporium</i> immobilized on polyurethane foam in a pulsed packed-bed bioreactor. , 1997, 56, 130-137. | | 29 |
| 571 | Title is missing!. <i>Magyar Árvad Kézlönyek</i> , 1998, 53, 757-768. | 1.4 | 2 |
| 572 | Title is missing!. <i>Biodegradation</i> , 1998, 9, 143-150. | 1.5 | 20 |
| 573 | Composition of rain water at a semi-arid rural site in India. <i>Atmospheric Environment</i> , 1998, 32, 3783-3793. | 1.9 | 76 |
| 574 | Preparation and characterization of urease bound on crosslinked poly(vinyl alcohol). <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1998, 4, 61-66. | 1.8 | 19 |
| 575 | Mode of action of yeast culture (YEA-SACC 1026) for stimulation of rumen fermentation in buffalo calves. <i>Journal of the Science of Food and Agriculture</i> , 1998, 77, 407-413. | 1.7 | 18 |
| 576 | Determination of ammonia nitrogen in the urine of small ruminants. <i>Journal of the Science of Food and Agriculture</i> , 1998, 78, 95-101. | 1.7 | 2 |
| 577 | Ammonia production from yeast extract and its effect on growth of the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> . <i>Biotechnology and Bioprocess Engineering</i> , 1998, 3, 115-118. | 1.4 | 13 |
| 578 | Effect of the different parts of the corn cob employed as a carrier on ligninolytic activity in solid state cultures by <i>P. chrysosporium</i> . <i>Bioprocess and Biosystems Engineering</i> , 1998, 18, 251-255. | 0.5 | 16 |
| 579 | Oxalic acid production by <i>Aspergillus niger</i> . <i>Bioprocess and Biosystems Engineering</i> , 1998, 19, 247-252. | 0.5 | 15 |
| 580 | Oxalic acid production by <i>Aspergillus niger</i> . <i>Bioprocess and Biosystems Engineering</i> , 1998, 19, 337-342. | 0.5 | 15 |
| 581 | Calorimetric study of inhibition of urease by 2-mercaptoethanol. <i>Thermochimica Acta</i> , 1998, 320, 45-52. | 1.2 | 5 |
| 582 | Radiochemical purification of no-carrier-added scandium-47 for radioimmunotherapy. <i>Applied Radiation and Isotopes</i> , 1998, 49, 1541-1549. | 0.7 | 87 |
| 583 | A comparison of aggregate stability and biological activity in earthworm casts and uningested soil as affected by amendment with wheat or lucerne straw. <i>European Journal of Soil Science</i> , 1998, 49, 629-636. | 1.8 | 44 |
| 584 | Effects of <i>Yucca schidigera</i> extract on fermentation and degradation of steroidal saponins in the rumen simulation technique (RUSITEC). <i>Animal Feed Science and Technology</i> , 1998, 74, 143-153. | 1.1 | 124 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 585 | Reversal of acidification in upland waters of the English Lake District. <i>Environmental Pollution</i> , 1998, 103, 143-151. | 3.7 | 30 |
| 586 | Salt stress effects on roots and leaves of <i>Atriplex halimus</i> L. and their corresponding callus cultures. <i>Plant Science</i> , 1998, 137, 131-142. | 1.7 | 110 |
| 587 | Phosphate Starvation-independent 2-Aminoethylphosphonic Acid Biodegradation in a Newly Isolated Strain of <i>Pseudomonas putida</i> , NG2. <i>Systematic and Applied Microbiology</i> , 1998, 21, 346-352. | 1.2 | 47 |
| 588 | Effect of Oxygenation Level on Yard Trimmings Composting Rate, Odor Production, And Compost Quality In Bench-Scale Reactors. <i>Compost Science and Utilization</i> , 1998, 6, 6-14. | 1.2 | 56 |
| 589 | Chemical Rescue of <i>Klebsiella aerogenes</i> Urease Variants Lacking the Carbamylated-Lysine Nickel Ligand. <i>Biochemistry</i> , 1998, 37, 6214-6220. | 1.2 | 50 |
| 590 | Effects of Fractions Containing Saponins from <i>Yucca schidigera</i> , <i>Quillaja saponaria</i> , and <i>Acacia auriculiformis</i> on Rumen Fermentation. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 4324-4328. | 2.4 | 106 |
| 591 | Strategies for the continuous production of ligninolytic enzymes in fixed and fluidised bed bioreactors. <i>Journal of Biotechnology</i> , 1998, 66, 27-39. | 1.9 | 55 |
| 592 | Reaction of Nitrides of Molybdenum and Tungsten with Hydrogen Peroxide to Form Inorganic Proton Conductors. <i>Bulletin of the Chemical Society of Japan</i> , 1998, 71, 955-960. | 2.0 | 2 |
| 593 | Feeding Diets Containing High Levels of Milk Products or Cellulose Decrease Urease Activity and Ammonia Production in Rat Intestine. <i>Journal of Nutrition</i> , 1998, 128, 1186-1191. | 1.3 | 30 |
| 594 | Differences between blood and plasma concentrations of acetate, β -hydroxybutyrate, glucose, ammonia and urea: implications for measurement of portal net fluxes in ewes. <i>Reproduction, Nutrition, Development</i> , 1998, 38, 509-518. | 1.9 | 9 |
| 595 | Fermentation, Purification, and Characterization of Protective Antigen from a Recombinant, Avirulent Strain of <i>Bacillus anthracis</i> . <i>Applied and Environmental Microbiology</i> , 1998, 64, 982-991. | 1.4 | 68 |
| 596 | Short rotation forestry for land treatment of effluent: a lysimeter study. <i>Soil Research</i> , 1999, 37, 983. | 0.6 | 8 |
| 597 | Arginase Is Inoperative in Developing Soybean Embryos 1. <i>Plant Physiology</i> , 1999, 119, 297-304. | 2.3 | 66 |
| 598 | GTP-dependent activation of urease apoprotein in complex with the UreD, UreF, and UreG accessory proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 11140-11144. | 3.3 | 116 |
| 599 | Geranylgeranyl diphosphate synthase activity and taxane production in <i>Taxus baccata</i> cells. <i>Phytochemistry</i> , 1999, 50, 939-946. | 1.4 | 11 |
| 600 | Production of rosmarinic acid and lithospermic acid B in Ti transformed <i>Salvia miltiorrhiza</i> cell suspension cultures. <i>Process Biochemistry</i> , 1999, 34, 777-784. | 1.8 | 27 |
| 601 | Effects of glucose and NH_4^+ concentrations on sequential dye decoloration by <i>Trametes versicolor</i> . <i>Enzyme and Microbial Technology</i> , 1999, 25, 278-284. | 1.6 | 85 |
| 602 | Ammonia emissions during the initial phase of microbial degradation of solid and liquid cattle manure. <i>Bioresource Technology</i> , 1999, 70, 245-248. | 4.8 | 27 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 603 | NaCl effects on proline metabolism in rice (<i>Oryza sativa</i>) seedlings. <i>Physiologia Plantarum</i> , 1999, 105, 450-458. | 2.6 | 350 |
| 604 | <i>Helicobacter pylori</i> cadA encodes an essential Cd(II)-Zn(II)-Co(II) resistance factor influencing urease activity. <i>Molecular Microbiology</i> , 1999, 33, 524-536. | 1.2 | 44 |
| 605 | Adaptive Control at Low Glucose Concentration of HEK-293 Cell Serum-Free Cultures. <i>Biotechnology Progress</i> , 1999, 15, 608-616. | 1.3 | 50 |
| 606 | Effects of Mn ²⁺ and NH ₄ ⁺ concentrations on laccase and manganese peroxidase production and Amaranth decoloration by <i>Trametes versicolor</i> . <i>Applied Microbiology and Biotechnology</i> , 1999, 51, 391-396. | 1.7 | 85 |
| 607 | Production of manganese peroxidase and laccase in laboratory-scale bioreactors by <i>Phanerochaete chrysosporium</i> . <i>Bioprocess and Biosystems Engineering</i> , 1999, 20, 531-535. | 0.5 | 3 |
| 608 | Cultivation of the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> in low-salt media. <i>Biotechnology and Bioprocess Engineering</i> , 1999, 4, 21-25. | 1.4 | 7 |
| 609 | Preparation and characterization of urease immobilized onto porous chitosan beads for urea hydrolysis. <i>Bioprocess and Biosystems Engineering</i> , 1999, 21, 323. | 0.5 | 33 |
| 610 | Characterization of metal-substituted <i>Klebsiella aerogenes</i> urease. <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 468-477. | 1.1 | 34 |
| 611 | The effect of phosphate buffer in the range of pH 5.80–8.07 on jack bean urease activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1999, 6, 75-81. | 1.8 | 56 |
| 612 | Polyaniline as a support for urease immobilization. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1999, 6, 549-553. | 1.8 | 64 |
| 613 | Inhibitory effect of mineral ion accumulation on high density growth of the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> . <i>Journal of Bioscience and Bioengineering</i> , 1999, 87, 315-319. | 1.1 | 19 |
| 614 | Assays for Allantoinase. <i>Analytical Biochemistry</i> , 1999, 268, 49-53. | 1.1 | 19 |
| 615 | Ligninolytic enzymes from corn cob cultures of <i>Phanerochaete chrysosporium</i> under semi-solid-state conditions. <i>Acta Biotechnologica</i> , 1999, 19, 17-25. | 1.0 | 21 |
| 616 | Effects of proanthocyanidins, dehulling and removal of pericarp on digestion of barley grain by ruminal micro-organisms. <i>Journal of the Science of Food and Agriculture</i> , 1999, 79, 929-938. | 1.7 | 19 |
| 617 | Laboratory evaluation of previously fermented juice as a fermentation stimulant for lucerne silage. <i>Journal of the Science of Food and Agriculture</i> , 1999, 79, 1285-1288. | 1.7 | 21 |
| 618 | Changes in growth and nitrogen assimilation in barley seedlings under cadmium stress. <i>Journal of Plant Nutrition</i> , 1999, 22, 731-752. | 0.9 | 81 |
| 619 | Abatement of secondary plume at Inland Cement, Edmonton, Alberta. , 0, , . | | 1 |
| 620 | Effects of an Enzyme Feed Additive on Extent of Digestion and Milk Production of Lactating Dairy Cows. <i>Journal of Dairy Science</i> , 1999, 82, 391-403. | 1.4 | 200 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 622 | Effect of dl-malate on mixed ruminal microorganism fermentation using the rumen simulation technique (RUSITEC). <i>Animal Feed Science and Technology</i> , 1999, 79, 279-288. | 1.1 | 55 |
| 623 | Cd-Stress on Nitrogen Assimilation. <i>Journal of Plant Physiology</i> , 1999, 155, 310-317. | 1.6 | 103 |
| 624 | Influence of milk whey, nitrogen and phosphorus concentration on oxalic acid production by <i>Aspergillus niger</i> . <i>Bioprocess and Biosystems Engineering</i> , 1999, 20, 1-5. | 0.5 | 13 |
| 625 | Amide Hydrolysis Effected by a Hydroxo-Bridged Dinickel(II) Complex:Â Insights into the Mechanism of Urease. <i>Journal of the American Chemical Society</i> , 1999, 121, 11751-11757. | 6.6 | 98 |
| 626 | Identification of Metal-Binding Residues in the <i>Klebsiella aerogenes</i> Urease Nickel Metallochaperone, UreE. <i>Biochemistry</i> , 1999, 38, 4078-4088. | 1.2 | 85 |
| 627 | Signaling by Glutamate Dehydrogenase in Response to Pesticide Treatment and Nitrogen Fertilization of Peanut (<i>Arachis hypogaea</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 3332-3344. | 2.4 | 14 |
| 628 | Influence of sodium fumarate addition on rumen fermentation <i>in vitro</i> . <i>British Journal of Nutrition</i> , 1999, 81, 59-64. | 1.2 | 90 |
| 629 | Effect of supplementing a fibre basal diet with different nitrogen forms on ruminal fermentation and microbial growth in an <i>in vitro</i> semi-continuous culture system (RUSITEC). <i>British Journal of Nutrition</i> , 1999, 82, 149-157. | 1.2 | 122 |
| 630 | Effect of sainfoin on <i>in vitro</i> digestion of fresh alfalfa and bloat in steers. <i>Canadian Journal of Animal Science</i> , 1999, 79, 203-212. | 0.7 | 79 |
| 631 | Effect of forage to concentrate ratio in the diet on ruminal fermentation and digesta flow kinetics in sheep offered food at a fixed and restricted level of intake. <i>Animal Science</i> , 2000, 70, 127-134. | 1.3 | 48 |
| 632 | Understanding factors that limit the productivity of suspension-based perfusion cultures operated at high medium renewal rates. , 2000, 67, 435-450. | | 58 |
| 633 | <i>In vitro</i> effects of steroidal saponins from <i>Yucca schidigera</i> extract on rumen microbial protein synthesis and ruminal fermentation. <i>Journal of the Science of Food and Agriculture</i> , 2000, 80, 2114-2122. | 1.7 | 113 |
| 634 | Scale-up study on suspension cultures of <i>Taxus chinensis</i> cells for production of taxane diterpene. <i>Enzyme and Microbial Technology</i> , 2000, 27, 714-723. | 1.6 | 82 |
| 635 | A poly(N-isopropylacrylamide-co-N-acryloxysuccinimide-co-2-hydroxyethyl methacrylate) composite hydrogel membrane for urease immobilization to enhance urea hydrolysis rate by temperature swing. <i>Enzyme and Microbial Technology</i> , 2000, 26, 359-367. | 1.6 | 97 |
| 636 | Inhibition of jack bean urease by thiols.. <i>Thermochimica Acta</i> , 2000, 354, 63-69. | 1.2 | 10 |
| 637 | Enhanced production of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by fed-batch cultures of <i>Pseudomonas</i> sp EL-2. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2000, 24, 36-40. | 1.4 | 3 |
| 638 | Effects of animal or plant protein diets on cecal fermentation in guinea pigs (<i>Cavia porcellus</i>), rats (<i>Rattus norvegicus</i>) and chicks (<i>Gallus gallus domesticus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2000, 127, 139-146. | 0.8 | 30 |
| 639 | Influence of crustal aerosols on wet deposition at urban and rural sites in India. <i>Atmospheric Environment</i> , 2000, 34, 5129-5137. | 1.9 | 85 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 640 | A comparative study of nutrient digestibility, kinetics of degradation and passage and rumen fermentation pattern in goats and sheep offered good quality diets. <i>Livestock Science</i> , 2000, 64, 215-223. | 1.2 | 55 |
| 641 | Urea-treated neem (<i>Azadirachta indica</i> A. juss) seed kernel cake as a protein supplement for lambs. <i>Small Ruminant Research</i> , 2000, 35, 107-116. | 0.6 | 18 |
| 642 | Differences in nitrate and ammonium uptake between Scots pine and European larch. <i>Plant and Soil</i> , 2000, 221, 1-3. | 1.8 | 42 |
| 643 | Title is missing!. <i>Biotechnology Letters</i> , 2000, 22, 1443-1447. | 1.1 | 42 |
| 644 | Enhanced tolerance to salt stress in transgenic rice that overexpresses chloroplast glutamine synthetase. <i>Plant Molecular Biology</i> , 2000, 43, 103-111. | 2.0 | 321 |
| 645 | Ammonia Accumulation as an Index of Glufosinate-Tolerant Soybean Cell Lines. <i>Pesticide Biochemistry and Physiology</i> , 2000, 68, 102-106. | 1.6 | 11 |
| 646 | Kinetic and Structural Characterization of Urease Active Site Variants. <i>Biochemistry</i> , 2000, 39, 8575-8584. | 1.2 | 97 |
| 647 | Effect of air flow rate on scleroglucan synthesis by <i>Sclerotium glaucum</i> in an airlift bioreactor with an internal loop. <i>Bioprocess and Biosystems Engineering</i> , 2000, 23, 69-74. | 1.7 | 9 |
| 648 | Effects of protozoa on bacterial nitrogen recycling in the rumen. <i>Journal of Animal Science</i> , 2000, 78, 2431. | 0.2 | 88 |
| 649 | Ruminal fermentation and duodenal flow following progressive inoculations of fauna-free wethers with major individual species of ciliate protozoa or total fauna. <i>Journal of Animal Science</i> , 2000, 78, 750. | 0.2 | 37 |
| 650 | Effect of composition of ruminally-infused short-chain fatty acids on net fluxes of nutrients across portal-drained viscera in underfed ewes. <i>British Journal of Nutrition</i> , 2000, 83, 521-531. | 1.2 | 33 |
| 651 | Effect of underfeeding on metabolism of portal-drained viscera in ewes. <i>British Journal of Nutrition</i> , 2000, 84, 821-828. | 1.2 | 22 |
| 652 | Structure of the Urease Operon of <i>Corynebacterium Glutamicum</i> . <i>DNA Sequence</i> , 2000, 11, 383-394. | 0.7 | 11 |
| 653 | In Vivo and in Vitro Kinetics of Metal Transfer by the <i>Klebsiella aerogenes</i> Urease Nickel Metallochaperone, UreE. <i>Journal of Biological Chemistry</i> , 2000, 275, 10731-10737. | 1.6 | 57 |
| 654 | Polycation-coated Polyanion Microspheres of Urease for Urea Hydrolysis. <i>Artificial Cells, Blood Substitutes, and Biotechnology</i> , 2000, 28, 95-111. | 0.9 | 15 |
| 655 | Substrate Specificity of Atrazine Chlorohydrolase and Atrazine-Catabolizing Bacteria. <i>Applied and Environmental Microbiology</i> , 2000, 66, 4247-4252. | 1.4 | 65 |
| 656 | Chitosan Membrane-Immobilized Urease. Kinetic Behavior in Phosphate Buffer in the pH Range 5.76-8.19. <i>Journal of Bioactive and Compatible Polymers</i> , 2000, 15, 155-169. | 0.8 | 13 |
| 657 | Simultaneous determination of soil aluminum, ammonium and nitrate-nitrogen using 1 M potassium chloride extraction. <i>Communications in Soil Science and Plant Analysis</i> , 2000, 31, 893-903. | 0.6 | 116 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 658 | Physiological changes after exposure to and recovery from polyethylene glycol-induced water deficit in roots and leaves of durum wheat (<i>Triticum durum</i> Desf.) cultivars differing in drought resistance. <i>Journal of Plant Physiology</i> , 2000, 157, 100-108. | 1.6 | 31 |
| 659 | Physiological Changes after Exposure to and Recovery from Polyethylene Glycol-induced Water Deficit in Callus Cultures Issued from Durum Wheat (<i>Triticum durum</i> Desf.) Cultivars Differing in Drought Resistance. <i>Journal of Plant Physiology</i> , 2000, 156, 75-83. | 1.6 | 51 |
| 660 | Evaluation of a Nonstarch Polysaccharidase Feed Enzyme in Dairy Cow Diets. <i>Journal of Dairy Science</i> , 2000, 83, 543-553. | 1.4 | 83 |
| 661 | Milk Production and Composition, Rumen Fermentation Parameters, and Grazing Behavior of Dairy Cows Supplemented with Different Forms and Amounts of Corn Grain. <i>Journal of Dairy Science</i> , 2000, 83, 1520-1529. | 1.4 | 33 |
| 662 | Distribution of potential CO ₂ and CH ₄ productions, denitrification and microbial biomass C and N in the profile of a restored peatland in Brittany (France). <i>European Journal of Soil Biology</i> , 2000, 36, 161-168. | 1.4 | 46 |
| 663 | Field lysimeter investigation with luciferase-gene (<i>luc</i>)-tagged <i>Sinorhizobium meliloti</i> strains to evaluate the ecological significance of soil inoculation and a <i>recA</i> -mutation. <i>Soil Biology and Biochemistry</i> , 2000, 32, 859-868. | 4.2 | 17 |
| 664 | Analytical Methods and Typical Atmospheric Concentrations for Gases and Particles. , 2000, , 547-656. | | 11 |
| 665 | Interaction of Urea with a Hydroxide-Bridged Dinuclear Nickel Center: An Alternative Model for the Mechanism of Urease. <i>Journal of the American Chemical Society</i> , 2000, 122, 9172-9177. | 6.6 | 150 |
| 666 | Formation of Ammonia in the Reactions of a Tungsten Dinitrogen with Ruthenium Dihydrogen Complexes under Mild Reaction Conditions ¹ . <i>Inorganic Chemistry</i> , 2000, 39, 5946-5957. | 1.9 | 49 |
| 667 | Using foliar variables to predict the response of lodgepole pine to nitrogen and sulphur fertilization. <i>Canadian Journal of Forest Research</i> , 2000, 30, 1389-1399. | 0.8 | 36 |
| 668 | UreE Stimulation of GTP-Dependent Urease Activation in the UreD-UreF-UreG-urease Apoprotein Complex. <i>Biochemistry</i> , 2000, 39, 12435-12440. | 1.2 | 90 |
| 669 | Fluoride Inhibition of <i>Klebsiella aerogenes</i> Urease: Mechanistic Implications of a Pseudo-uncompetitive, Slow-Binding Inhibitor. <i>Biochemistry</i> , 2000, 39, 5389-5396. | 1.2 | 100 |
| 670 | Effects of Barley Grain Processing on Extent of Digestion and Milk Production of Lactating Cows. <i>Journal of Dairy Science</i> , 2000, 83, 554-568. | 1.4 | 112 |
| 671 | Effects of <i>Isotricha</i> , <i>Dasytricha</i> , <i>Entodinium</i> , and Total Fauna on Ruminal Fermentation and Duodenal Flow in Wethers Fed Different Diets. <i>Journal of Dairy Science</i> , 2000, 83, 776-787. | 1.4 | 62 |
| 672 | Decomposition of Alkyl-Substituted Urea Molecules at a Hydroxide-Bridged Dinickel Center. <i>Inorganic Chemistry</i> , 2001, 40, 1250-1255. | 1.9 | 67 |
| 673 | Protonation of Coordinated N ₂ on Tungsten with H ₂ Mediated by Sulfido-Bridged Dinuclear Molybdenum Complexes ¹ . <i>Inorganic Chemistry</i> , 2001, 40, 578-580. | 1.9 | 38 |
| 674 | Dual Effects of Ionic Strength on <i>Klebsiella aerogenes</i> Urease: pH-Dependent Activation and Inhibition. <i>Archives of Biochemistry and Biophysics</i> , 2001, 394, 280-282. | 1.4 | 16 |
| 675 | Ammonium and urea as nitrogen sources for bromeliads. <i>Journal of Plant Physiology</i> , 2001, 158, 205-212. | 1.6 | 29 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 676 | Changes in ammonia-assimilation enzymes in response to different nitrate levels in <i>Azolla pinnata</i> and <i>A. microphylla</i> . <i>Journal of Plant Physiology</i> , 2001, 158, 899-903. | 1.6 | 7 |
| 677 | Effects of Alcohol Ethoxylate and Pluronic Detergents on the Development of Pasture Bloat in Cattle and Sheep. <i>Journal of Dairy Science</i> , 2001, 84, 167-176. | 1.4 | 26 |
| 678 | Effects of NutriDense and Waxy Corn Hybrids on the Rumen Fermentation, Digestibility and Lactational Performance of Dairy Cows. <i>Journal of Dairy Science</i> , 2001, 84, 1698-1706. | 1.4 | 24 |
| 679 | The Effect of a Dry or Liquid Application of <i>Lactobacillus plantarum</i> MTD1 on the Fermentation of Alfalfa Silage. <i>Journal of Dairy Science</i> , 2001, 84, 2195-2202. | 1.4 | 65 |
| 680 | Effects of Grain Processing, Forage to Concentrate Ratio, and Forage Particle Size on Rumen pH and Digestion by Dairy Cows. <i>Journal of Dairy Science</i> , 2001, 84, 2203-2216. | 1.4 | 164 |
| 681 | Effects of bentonite on rumen fermentation and duodenal flow of dietary components in sheep fed palm kernel cake by-product. <i>Animal Feed Science and Technology</i> , 2001, 92, 127-135. | 1.1 | 5 |
| 682 | Water deficit effects on solute contribution to osmotic adjustment as a function of leaf ageing in three durum wheat (<i>Triticum durum</i> Desf.) cultivars performing differently in arid conditions. <i>Plant Science</i> , 2001, 160, 669-681. | 1.7 | 227 |
| 683 | Simultaneous removal of phenol and ammonia by an activated sludge process with cross-flow filtration. <i>Water Research</i> , 2001, 35, 3089-3096. | 5.3 | 50 |
| 684 | Complete Nucleotide Sequence and Organization of the Atrazine Catabolic Plasmid pADP-1 from <i>Pseudomonas</i> sp . Strain ADP. <i>Journal of Bacteriology</i> , 2001, 183, 5684-5697. | 1.0 | 324 |
| 685 | Mechanism of salt tolerance in the grass species, <i>Anneurolepidium chinense</i> . <i>Soil Science and Plant Nutrition</i> , 2001, 47, 579-585. | 0.8 | 9 |
| 686 | Compostos nitrogenados em bebidas destiladas: cachaça e tiquira. <i>Food Science and Technology</i> , 2001, 21, 78-81. | 0.8 | 8 |
| 687 | Tree Species for Recovering Nitrogen from Dairy Farm Effluent in New Zealand. <i>Journal of Environmental Quality</i> , 2001, 30, 1064-1070. | 1.0 | 8 |
| 688 | Performance responses of lambs of various ages to Italian ryegrass (<i>Lolium multiflorum</i>) fertilized with various levels of nitrogen. <i>South African Journal of Animal Sciences</i> , 2001, 31, 142. | 0.2 | 4 |
| 689 | Influence of nitrogen source on the fermentation of fibre from barley straw and sugarbeet pulp by ruminal micro-organisms <i>in vitro</i> . <i>British Journal of Nutrition</i> , 2001, 86, 717-724. | 1.2 | 20 |
| 690 | A Novel $\hat{\text{A}}$ -Amino-Acid Esterase from <i>Bacillus mycoides</i> Capable of Forming Peptides of DD- and DL-Configurations. <i>Journal of Biochemistry</i> , 2001, 130, 119-126. | 0.9 | 9 |
| 691 | Canatoxin, a toxic protein from jack beans (<i>Canavalia ensiformis</i>), is a variant form of urease (EC Tj ETQq1 1 0.784314 rgBT /Overlock 1 360, 217-224. | 1.7 | 80 |
| 692 | Canatoxin, a toxic protein from jack beans (<i>Canavalia ensiformis</i>), is a variant form of urease (EC Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 360, 217. | 1.7 | 50 |
| 693 | Dietary Effect of Fermented Soymilk on Lipid Metabolism and Intestinal Flora.. <i>Journal of the Japanese Society for Food Science and Technology</i> , 2001, 48, 807-815. | 0.1 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 694 | Preparation of Grafted Expanded Poly(tetrafluoroethylene) Films for Immobilization of Urease.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2001, 14, 111-116. | 0.1 | 1 |
| 695 | The nutritive value of Rhodes grass (<i>Chloris gayana</i>) when treated with CaO, NaOH or a microbial inoculant and offered to dairy heifers as big-bale silage. <i>Animal Science</i> , 2001, 73, 329-340. | 1.3 | 5 |
| 696 | Effects of barley grain processing on the site and extent of digestion of beef feedlot finishing diets.. <i>Journal of Animal Science</i> , 2001, 79, 1925. | 0.2 | 132 |
| 697 | Multi-layer microfluidic glass chips for microanalytical applications. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 371, 261-269. | 1.5 | 92 |
| 698 | Citrate, a possible precursor of astaxanthin in <i>Phaffia rhodozyma</i> : influence of varying levels of ammonium, phosphate and citrate in a chemically defined medium.. <i>Applied Microbiology and Biotechnology</i> , 2001, 55, 341-347. | 1.7 | 71 |
| 699 | Ureolytic activity of <i>Nitellopsis obtusa</i> (Characeae). <i>Acta Physiologiae Plantarum</i> , 2001, 23, 329-334. | 1.0 | 2 |
| 700 | Modelling pH buffering and aluminium solubility in European forest soils. <i>European Journal of Soil Science</i> , 2001, 52, 189-204. | 1.8 | 72 |
| 701 | Phenotype evaluation of <i>Bordetella bronchiseptica</i> cultures by urease activity and Congo red affinity. <i>Letters in Applied Microbiology</i> , 2001, 33, 285-290. | 1.0 | 24 |
| 702 | Influence of climatic conditions and plant physiology on glufosinate-ammonium efficacy. <i>Weed Research</i> , 2001, 41, 31-39. | 0.8 | 41 |
| 703 | Requirement of nickel metabolism proteins HypA and HypB for full activity of both hydrogenase and urease in <i>Helicobacter pylori</i> . <i>Molecular Microbiology</i> , 2001, 39, 176-182. | 1.2 | 205 |
| 704 | Strategies for improving ligninolytic enzyme activities in semi-solid-state bioreactors. <i>Process Biochemistry</i> , 2001, 36, 995-999. | 1.8 | 13 |
| 705 | Design of a new rotating drum bioreactor for ligninolytic enzyme production by <i>Phanerochaete chrysosporium</i> grown on an inert support. <i>Process Biochemistry</i> , 2001, 37, 549-554. | 1.8 | 54 |
| 706 | Urea permeation and hydrolysis through hollow fiber dialyzer immobilized with urease. <i>Biomaterials</i> , 2001, 22, 891-896. | 5.7 | 25 |
| 707 | Chemical sensing using an integrated microfluidic system based on the Berthelot reaction. <i>Sensors and Actuators B: Chemical</i> , 2001, 76, 235-243. | 4.0 | 81 |
| 708 | Low molecular weight organic acids and fatty acids in root exudates of two <i>Lupinus</i> cultivars at flowering and fruiting stages. <i>Phytochemical Analysis</i> , 2001, 12, 305-311. | 1.2 | 77 |
| 709 | Characterisation of deactivating agents and their influence on the stability of manganese-dependent peroxidase from <i>Phanerochaete chrysosporium</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 867-872. | 1.6 | 14 |
| 710 | Design of different bioreactor configurations: application to ligninolytic enzyme production in semi-solid-state cultivation. <i>Journal of Chemical Technology and Biotechnology</i> , 2001, 76, 78-82. | 1.6 | 18 |
| 711 | Influence of Several Activators on the Extracellular Laccase Activity and <i>In vivo</i> Decolourization of Poly R-478 by Semi-Solid-State Cultures of <i>Trametes versicolor</i> . <i>Acta Biotechnologica</i> , 2001, 21, 255-264. | 1.0 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 712 | INFLUENCE OF NITROGEN FORMS ON THE GROWTH AND NITROGEN METABOLISM OF BROMELIADS. Journal of Plant Nutrition, 2001, 24, 29-42. | 0.9 | 26 |
| 713 | Utilisation of lignocellulosic wastes for lignin peroxidase production by semi-solid-state cultures of Phanerochaete chrysosporium. Biodegradation, 2001, 12, 283-289. | 1.5 | 29 |
| 714 | Title is missing!. World Journal of Microbiology and Biotechnology, 2001, 17, 307-316. | 1.7 | 34 |
| 715 | Title is missing!. Biotechnology Letters, 2001, 23, 451-455. | 1.1 | 6 |
| 716 | Pectin lyase production by Penicillium griseoroseum grown in sugar cane juice in repeated batch cultures. World Journal of Microbiology and Biotechnology, 2001, 17, 433-437. | 1.7 | 8 |
| 717 | Rainwater Composition at a Regional Representative Site of a Semi-Arid Region of India. Water, Air, and Soil Pollution, 2001, 127, 93-108. | 1.1 | 34 |
| 718 | Purification and characterisation of a possible assimilatory nitrite reductase from the halophile archaeon Haloferax mediterranei. FEMS Microbiology Letters, 2001, 196, 113-118. | 0.7 | 48 |
| 719 | Study of size distribution of atmospheric aerosol at Agra. Atmospheric Environment, 2001, 35, 693-702. | 1.9 | 128 |
| 720 | Simultaneous measurements of ammonia and nitric acid in ambient air at Agra (27°10'N and 78°05'E) (India). Atmospheric Environment, 2001, 35, 5979-5988. | 1.9 | 43 |
| 721 | Effects of dietary sunflower seed oil on rumen protozoa population and tissue concentration of conjugated linoleic acid in sheep. Small Ruminant Research, 2001, 41, 215-227. | 0.6 | 130 |
| 722 | Inhibition of urease by Ni ²⁺ ions. Journal of Molecular Catalysis B: Enzymatic, 2001, 13, 103-108. | 1.8 | 61 |
| 723 | Urease immobilisation on chemically grafted nylon membranes. Journal of Molecular Catalysis B: Enzymatic, 2001, 14, 15-29. | 1.8 | 27 |
| 724 | Inhibition of chitosan-immobilized urease by slow-binding inhibitors: Ni ²⁺ , F ⁻ and acetohydroxamic acid. Journal of Molecular Catalysis B: Enzymatic, 2001, 14, 101-109. | 1.8 | 34 |
| 725 | Multiphase measurement of atmospheric ammonia. Chemosphere, 2001, 3, 107-116. | 1.2 | 31 |
| 726 | Microbial Thiocyanate Utilization under Highly Alkaline Conditions. Applied and Environmental Microbiology, 2001, 67, 528-538. | 1.4 | 127 |
| 727 | Cloning, Expression, and Catalytic Activity of Helicobacter hepaticus Urease. Infection and Immunity, 2001, 69, 5914-5920. | 1.0 | 42 |
| 728 | EFFECT OF HUMIC SUBSTANCES ON NITROGEN UPTAKE AND ASSIMILATION IN TWO SPECIES OF PINUS. Journal of Plant Nutrition, 2001, 24, 693-704. | 0.9 | 36 |
| 729 | Long-Range ¹ H- ¹⁵ N Heteronuclear Shift Correlation at Natural Abundance: a Tool To Study Benzothiazole Biodegradation by Two Rhodococcus Strains. Applied and Environmental Microbiology, 2001, 67, 1412-1417. | 1.4 | 40 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 730 | Energetics of <i>Helicobacter pylori</i> and Its Implications for the Mechanism of Urease-Dependent Acid Tolerance at pH 1. <i>Journal of Bacteriology</i> , 2002, 184, 3053-3060. | 1.0 | 68 |
| 731 | Urease of Enterohemorrhagic <i>Escherichia coli</i> : Evidence for Regulation by Fur and a trans-Acting Factor. <i>Infection and Immunity</i> , 2002, 70, 1027-1031. | 1.0 | 37 |
| 732 | In Vivo Behavior of a <i>Helicobacter pylori</i> SS1 nixA Mutant with Reduced Urease Activity. <i>Infection and Immunity</i> , 2002, 70, 685-691. | 1.0 | 70 |
| 733 | NikR Mediates Nickel-Responsive Transcriptional Induction of Urease Expression in <i>Helicobacter pylori</i> . <i>Infection and Immunity</i> , 2002, 70, 2846-2852. | 1.0 | 110 |
| 734 | In Vivo Complementation of ureB Restores the Ability of <i>Helicobacter pylori</i> To Colonize. <i>Infection and Immunity</i> , 2002, 70, 771-778. | 1.0 | 54 |
| 735 | A New Type of Aminoacyltransferase from <i>Saccharothrix</i> sp. AS-2 Favorable for the Synthesis of D-Amino Acid-Containing Peptides. <i>Journal of Biochemistry</i> , 2002, 131, 247-254. | 0.9 | 8 |
| 736 | Influence of Dietary Supplementation of Herb Extracts on Volatile Sulfur Production in Pig Large Intestine. <i>Journal of Nutritional Science and Vitaminology</i> , 2002, 48, 18-23. | 0.2 | 11 |
| 737 | Synthesis and Characterization of Photolabile o-Nitrobenzyl Derivatives of Urea. <i>Journal of Organic Chemistry</i> , 2002, 67, 8827-8831. | 1.7 | 19 |
| 738 | Advantages of Using Non-isothermal Bioreactors in Agricultural Waste Water Treatment by Means of Immobilized Urease. Study on the Influence of Spacer Length and Immobilization Method. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 2802-2811. | 2.4 | 22 |
| 739 | Purification and characterization of urease isolated from the pathogenic fungus <i>Coccidioides immitis</i> . <i>Medical Mycology</i> , 2002, 40, 35-44. | 0.3 | 39 |
| 740 | Anthocyanin production from <i>Vaccinium pahalae</i> : limitations of the physical microenvironment. <i>Journal of Biotechnology</i> , 2002, 93, 45-57. | 1.9 | 41 |
| 741 | Evaluation of environmental impact of the raised-bed-dike (Rong Chin) system along the Tha Chin river in Suphan Buri-Nakhon Pathom Provinces, Thailand. <i>Soil Science and Plant Nutrition</i> , 2002, 48, 641-649. | 0.8 | 7 |
| 742 | Completely autotrophic nitrogen removal over nitrite in one single reactor. <i>Water Research</i> , 2002, 36, 2475-2482. | 5.3 | 508 |
| 743 | Carbamazepine in water: persistence in the environment, ozonation treatment and preliminary assessment on algal toxicity. <i>Water Research</i> , 2002, 36, 2869-2877. | 5.3 | 259 |
| 744 | The Effect of <i>Lactobacillus buchneri</i> 40788 on the Fermentation and Aerobic Stability of High Moisture Corn in Laboratory Silos. <i>Journal of Dairy Science</i> , 2002, 85, 1526-1532. | 1.4 | 84 |
| 745 | The Effect of Treating Whole-Plant Barley with <i>Lactobacillus buchneri</i> 40788 on Silage Fermentation, Aerobic Stability, and Nutritive Value for Dairy Cows. <i>Journal of Dairy Science</i> , 2002, 85, 1793-1800. | 1.4 | 89 |
| 746 | The Effect of Delayed Ensiling and Application of a Propionic Acid-Based Additive on the Fermentation of Barley Silage. <i>Journal of Dairy Science</i> , 2002, 85, 1969-1975. | 1.4 | 41 |
| 747 | Measurements of major ion concentration in settled coarse particles and aerosols at a semiarid rural site in India. <i>Environment International</i> , 2002, 28, 1-7. | 4.8 | 42 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 748 | Nutrient digestion, biohydrogenation, and fatty acid profiles in blood plasma and milk fat from lactating Holstein cows fed canola oil or canolamide. <i>Animal Feed Science and Technology</i> , 2002, 97, 65-82. | 1.1 | 62 |
| 749 | Microbial activity in the caecum of the rabbit around weaning: impact of a dietary fibre deficiency and of intake level. <i>Animal Feed Science and Technology</i> , 2002, 99, 107-118. | 1.1 | 47 |
| 750 | Sustainability of intensive loblolly pine plantation management in the South Carolina Coastal Plain, USA. <i>Forest Ecology and Management</i> , 2002, 155, 69-80. | 1.4 | 21 |
| 751 | NutriDense and waxy corn hybrids: effects on site and extent of disappearance of nutrients in sheep. <i>Journal of Animal Science</i> , 2002, 80, 1335-1343. | 0.2 | 7 |
| 752 | Partitioning of Absorbed Nitrogen to Chloroplast, Soluble Protein and Rubisco in Rice Leaves under Low Nitrogen Supply.. <i>Seibutsu Kankyo Chosetsu [Environment Control in Biology]</i> , 2002, 40, 201-206. | 0.2 | 0 |
| 753 | Rumen digestion and intestinal nutrient flows in sheep consuming pea seeds: the effect of extrusion or chestnut tannin addition. <i>Animal Research</i> , 2002, 51, 201-216. | 0.6 | 31 |
| 754 | Effects of bacterial direct-fed microbials on ruminal fermentation, blood variables, and the microbial populations of feedlot cattle ^{1,2} . <i>Journal of Animal Science</i> , 2002, 80, 1977-1985. | 0.2 | 161 |
| 755 | Effect of either once or twice daily concentrate supplementation of wheat straw on voluntary intake and digestion in sheep. <i>Small Ruminant Research</i> , 2002, 46, 43-50. | 0.6 | 10 |
| 756 | Effects of exogenous fibrolytic enzymes on epiphytic microbial populations and in vitro digestion of silage. <i>Journal of the Science of Food and Agriculture</i> , 2002, 82, 760-768. | 1.7 | 25 |
| 757 | Production of manganese-dependent peroxidase in a new solid-state bioreactor by <i>Phanerochaete chrysosporium</i> grown on wood shavings. Application to the decolorization of synthetic dyes. <i>Folia Microbiologica</i> , 2002, 47, 417-421. | 1.1 | 22 |
| 758 | Degradation of aniline by newly isolated, extremely aniline-tolerant <i>Delftia</i> sp. AN3. <i>Applied Microbiology and Biotechnology</i> , 2002, 58, 679-682. | 1.7 | 100 |
| 759 | Improving laccase production by employing different lignocellulosic wastes in submerged cultures of <i>Trametes versicolor</i> . <i>Bioresource Technology</i> , 2002, 82, 109-113. | 4.8 | 129 |
| 760 | Urea sensing materials via solidified crystalline colloidal arrays. <i>Sensors and Actuators B: Chemical</i> , 2002, 81, 273-276. | 4.0 | 14 |
| 761 | Effect of <i>Lactobacillus buchneri</i> 40788 on the fermentation, aerobic stability and nutritive value of maize silage. <i>Grass and Forage Science</i> , 2002, 57, 73-81. | 1.2 | 76 |
| 762 | Influence of ciliate protozoa on biochemical changes and hydrolytic enzyme profile in the rumen ecosystem. <i>Journal of Applied Microbiology</i> , 2002, 92, 801-811. | 1.4 | 39 |
| 763 | Microbial status and rumen enzyme profile of crossbred calves fed on different microbial feed additives. <i>Letters in Applied Microbiology</i> , 2002, 34, 329-336. | 1.0 | 120 |
| 764 | Increased activity and reduced sensitivity of glutamine synthetase in glufosinate-resistant vetiver (<i>Vetiveria zizanioides</i> Nash) cells. <i>Weed Biology and Management</i> , 2002, 2, 171-176. | 0.6 | 7 |
| 765 | Progress in the realisation of an autonomous environmental monitoring device for ammonia. <i>TrAC - Trends in Analytical Chemistry</i> , 2002, 21, 816-827. | 5.8 | 23 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 766 | Preparation of dinitrogen complexes Mo(N ₂) ₂ P ₄ stabilised by phosphonite PPh(OEt) ₂ and phosphinite PPh ₂ (OEt) ligands. <i>Journal of Organometallic Chemistry</i> , 2002, 660, 55-61. | 0.8 | 3 |
| 767 | Purification and characterization of urease from dehusked pigeonpea (<i>Cajanus cajan</i> L.) seeds. <i>Phytochemistry</i> , 2002, 61, 513-521. | 1.4 | 80 |
| 768 | Comparison between the protease production ability of ligninolytic fungi cultivated in solid state media. <i>Process Biochemistry</i> , 2002, 37, 1017-1023. | 1.8 | 38 |
| 769 | De-repression and subsequent induction of protease synthesis by <i>Bacillus mojavensis</i> under fed-batch operations. <i>Process Biochemistry</i> , 2002, 37, 1103-1109. | 1.8 | 71 |
| 770 | Screening of supports and inducers for laccase production by <i>Trametes versicolor</i> in semi-solid-state conditions. <i>Process Biochemistry</i> , 2002, 38, 249-255. | 1.8 | 86 |
| 771 | Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 2002, 41, 265-279. | 1.4 | 54 |
| 772 | Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 791-794. | 1.1 | 7 |
| 773 | High-yield actinorhodin production in fed-batch culture by a <i>Streptomyces lividans</i> strain overexpressing the pathway-specific activator gene actII-ORF4. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2002, 28, 103-111. | 1.4 | 29 |
| 774 | Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2003, 19, 665-669. | 1.7 | 64 |
| 775 | Flow-injection spectrophotometric determination of cyanate in bioremediation processes by use of immobilised inducible cyanase. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 1071-1078. | 1.9 | 10 |
| 776 | Effect of dietary sodium bicarbonate supplementation on fermentation characteristics and ciliate protozoal population in rumen of lambs. <i>Small Ruminant Research</i> , 2003, 47, 203-212. | 0.6 | 36 |
| 777 | Urea removal from agricultural waste waters by means of urease immobilized on nylon membranes grafted with cyclohexyl-methacrylate. <i>Applied Catalysis B: Environmental</i> , 2003, 46, 613-629. | 10.8 | 23 |
| 778 | A study of trace metals and polycyclic aromatic hydrocarbons in the roadside environment. <i>Atmospheric Environment</i> , 2003, 37, 2391-2402. | 1.9 | 235 |
| 779 | Size fractionated speciation of sulfate and nitrate in airborne particulates in Beijing, China. <i>Atmospheric Environment</i> , 2003, 37, 2581-2588. | 1.9 | 22 |
| 780 | Estimation of SO ₄ contribution by dry deposition of SO ₂ onto the dust particles in India. <i>Atmospheric Environment</i> , 2003, 37, 3057-3063. | 1.9 | 48 |
| 781 | Preparation and Reactivity of Hydrazine Complexes of Rhenium: Synthesis of 1,2-Diazene (NH=NH) and Methyleneimine (CH ₂ =NH) Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 2855-2866. | 1.0 | 30 |
| 782 | Potentiometric Study of Urease Kinetics over pH 5.36-8.21. <i>Electroanalysis</i> , 2003, 15, 460-466. | 1.5 | 22 |
| 783 | Biodegradation of Grape Cluster Stems and Ligninolytic Enzyme Production by <i>Phanerochaete chrysosporium</i> during Semi-Solid-State Cultivation. <i>Acta Biotechnologica</i> , 2003, 23, 65-74. | 1.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 784 | Urea permeation and hydrolysis through hollow fiber dialyzer immobilized with urease: storage and operation properties. <i>Biomaterials</i> , 2003, 24, 1989-1994. | 5.7 | 32 |
| 785 | Influence of different mixing and aeration regimens on pectin lyase production by <i>Penicillium griseooreum</i> . <i>Process Biochemistry</i> , 2003, 38, 849-854. | 1.8 | 11 |
| 786 | Production of laccase by <i>Trametes versicolor</i> in an airlift fermentor. <i>Process Biochemistry</i> , 2003, 39, 467-473. | 1.8 | 55 |
| 787 | Investigation of several bioreactor configurations for laccase production by <i>Trametes versicolor</i> operating in solid-state conditions. <i>Biochemical Engineering Journal</i> , 2003, 15, 21-26. | 1.8 | 71 |
| 788 | Use of competitive inhibition for driving sensitivity and dynamic range of urea ENFETs. <i>Biosensors and Bioelectronics</i> , 2003, 18, 345-351. | 5.3 | 20 |
| 789 | Glufosinate tolerance in hybrid corn varieties based on decreasing ammonia accumulation. <i>Weed Biology and Management</i> , 2003, 3, 41-45. | 0.6 | 12 |
| 790 | Growth of the salt-tolerant yeast <i>Zygosaccharomyces rouxi</i> in microtiter plates: effects of NaCl, pH and temperature on growth and fusel alcohol production from branched-chain amino acids. <i>FEMS Yeast Research</i> , 2003, 3, 313-318. | 1.1 | 13 |
| 791 | Sources of atmospheric acidity in an agricultural-industrial region of São Paulo State, Brazil. <i>Journal of Geophysical Research</i> , 2003, 108, . | 3.3 | 27 |
| 792 | Catalytic Reduction of Dinitrogen to Ammonia at a Single Molybdenum Center. <i>Science</i> , 2003, 301, 76-78. | 6.0 | 1,250 |
| 793 | Nitrogen Metabolism in Tomato Plants Under Cadmium Stress. <i>Journal of Plant Nutrition</i> , 2003, 26, 1617-1634. | 0.9 | 54 |
| 794 | Labile soil organic matter as a potential nitrogen source in golf greens. <i>Soil Biology and Biochemistry</i> , 2003, 35, 1643-1649. | 4.2 | 16 |
| 795 | Study of the degradation of dyes by MnP of <i>Phanerochaete chrysosporium</i> produced in a fixed-bed bioreactor. <i>Chemosphere</i> , 2003, 51, 295-303. | 4.2 | 59 |
| 796 | Assessment of the potential for soil acidification in North India using the critical load approach and locally derived data for acidic and basic inputs. <i>Chemosphere</i> , 2003, 53, 1011-1021. | 4.2 | 6 |
| 797 | Effect of different doses of quebracho tannins extract on rumen fermentation in ewes. <i>Animal Feed Science and Technology</i> , 2003, 109, 65-78. | 1.1 | 82 |
| 798 | Effect of cadmium stress on nitrogen metabolism in nodules and roots of soybean plants. <i>Functional Plant Biology</i> , 2003, 30, 57. | 1.1 | 121 |
| 799 | The Effect of Treating Alfalfa with <i>Lactobacillus buchneri</i> 40788 on Silage Fermentation, Aerobic Stability, and Nutritive Value for Lactating Dairy Cows. <i>Journal of Dairy Science</i> , 2003, 86, 336-343. | 1.4 | 142 |
| 800 | Effects of Particle Size of Alfalfa-Based Dairy Cow Diets on Chewing Activity, Ruminal Fermentation, and Milk Production. <i>Journal of Dairy Science</i> , 2003, 86, 630-643. | 1.4 | 183 |
| 801 | Effects of cadmium on the co-ordination of nitrogen and carbon metabolism in bean seedlings. <i>Journal of Plant Physiology</i> , 2003, 160, 367-376. | 1.6 | 89 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 802 | Coumarin inhibits the growth of carrot (<i>Daucus carota</i> L. cv. Saint Valery) cells in suspension culture. <i>Journal of Plant Physiology</i> , 2003, 160, 227-237. | 1.6 | 42 |
| 803 | Proline accumulation and glutamine synthetase activity are increased by salt-induced proteolysis in cashew leaves. <i>Journal of Plant Physiology</i> , 2003, 160, 115-123. | 1.6 | 183 |
| 804 | Roles of conserved nucleotide-binding domains in accessory proteins, HypB and UreG, in the maturation of nickel-enzymes required for efficient <i>Helicobacter pylori</i> colonization. <i>Microbial Pathogenesis</i> , 2003, 35, 229-234. | 1.3 | 61 |
| 805 | Growth of the salt-tolerant yeast in microtiter plates: effects of NaCl, pH and temperature on growth and fusel alcohol production from branched-chain amino acids. <i>FEMS Yeast Research</i> , 2003, 3, 313-318. | 1.1 | 24 |
| 807 | Nitrogen Release from Crop Residues and Organic Amendments as Affected by Biochemical Composition. <i>Communications in Soil Science and Plant Analysis</i> , 2003, 34, 2441-2460. | 0.6 | 107 |
| 808 | Mixed Dinitrogen ⁺ Organocyanamide Complexes of Molybdenum(0) and Their Protic Conversion into Hydrazide and Amidoazavinylidene Derivatives. <i>Inorganic Chemistry</i> , 2003, 42, 2157-2164. | 1.9 | 36 |
| 809 | Effects of Sitka alder on the growth and foliar nutrition of young lodgepole pine in the central interior of British Columbia. <i>Canadian Journal of Forest Research</i> , 2003, 33, 1761-1771. | 0.8 | 17 |
| 810 | Effects of nitrogen and boron fertilization on foliar boron nutrition and growth in two different lodgepole pine ecosystems. <i>Canadian Journal of Forest Research</i> , 2003, 33, 988-996. | 0.8 | 33 |
| 811 | Irreversible Inhibition of Jack Bean Urease by Pyrocatechol. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2003, 18, 413-417. | 2.5 | 19 |
| 812 | Inactivation of Jack Bean Urease by Allicin. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2003, 18, 419-424. | 2.5 | 16 |
| 813 | UreR, the Transcriptional Activator of the <i>Proteus mirabilis</i> Urease Gene Cluster, Is Required for Urease Activity and Virulence in Experimental Urinary Tract Infections. <i>Infection and Immunity</i> , 2003, 71, 1026-1030. | 1.0 | 32 |
| 814 | Interallelic Complementation at the Ubiquitous Urease Coding Locus of Soybean. <i>Plant Physiology</i> , 2003, 132, 1801-1810. | 2.3 | 33 |
| 815 | Characterization of <i>Helicobacter pylori</i> Nickel Metabolism Accessory Proteins Needed for Maturation of both Urease and Hydrogenase. <i>Journal of Bacteriology</i> , 2003, 185, 726-734. | 1.0 | 137 |
| 816 | Dependence of <i>Helicobacter pylori</i> Urease Activity on the Nickel-Sequestering Ability of the UreE Accessory Protein. <i>Journal of Bacteriology</i> , 2003, 185, 4787-4795. | 1.0 | 77 |
| 817 | A Comparison of the Accumulation and Partitioning of Nitrogen in Plants between Two Rice Cultivars, Akenohoshi and Nipponbare, at the Ripening Stage. <i>Plant Production Science</i> , 2003, 6, 172-178. | 0.9 | 37 |
| 818 | Crystallization of urine mineral components may depend on the chemical nature of <i>Proteus</i> endotoxin polysaccharides. <i>Journal of Medical Microbiology</i> , 2003, 52, 471-477. | 0.7 | 66 |
| 819 | Influence of different concentrations of disodium fumarate on methane production and fermentation of concentrate feeds by rumen micro-organisms invitro. <i>British Journal of Nutrition</i> , 2003, 90, 617-623. | 1.2 | 67 |
| 820 | Digestion and nutrient net fluxes across the rumen, and the mesenteric- and portal-drained viscera in sheep fed with fresh forage twice daily: net balance and dynamic aspects. <i>British Journal of Nutrition</i> , 2003, 89, 649-666. | 1.2 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 821 | Effect of the addition of malate on in vitro rumen fermentation of cereal grains. <i>British Journal of Nutrition</i> , 2003, 89, 181-188. | 1.2 | 61 |
| 822 | First Natural Urease Inhibitor from <i>Euphorbia decipiens</i> . <i>Chemical and Pharmaceutical Bulletin</i> , 2003, 51, 719-723. | 0.6 | 37 |
| 823 | Metabolic adaptation to high-fat and high-carbohydrate diets in children and adolescents. <i>American Journal of Clinical Nutrition</i> , 2003, 77, 479-489. | 2.2 | 48 |
| 824 | Energy requirements of women of reproductive age. <i>American Journal of Clinical Nutrition</i> , 2003, 77, 630-638. | 2.2 | 35 |
| 825 | Late summer protein supplementation for yearling cattle. <i>Journal of Range Management</i> , 2004, 57, . | 0.3 | 0 |
| 826 | Effect of polyethylene glycol, urea and sunflower meal supply on two-stage olive cake fermentation. <i>Animal Research</i> , 2004, 53, 245-257. | 0.6 | 7 |
| 827 | Nitrogen fertilization of fall panicum cultivars (<i>Panicum dichotomiflorum</i> Michx.): biochemical and agronomical aspects. <i>Scientia Agricola</i> , 2004, 61, 82-87. | 0.6 | 5 |
| 828 | Phosphorus accumulation in soils and nitrate contamination in underground water under export-oriented asparagus farming in Nong Ngu Lauem village, Nakhon Pathom province, Thailand. <i>Soil Science and Plant Nutrition</i> , 2004, 50, 385-393. | 0.8 | 9 |
| 829 | Synthesis and Urease Enzyme Inhibitory Effects of Some Dicoumarols. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2004, 19, 367-371. | 2.5 | 22 |
| 830 | Ureasases of Extreme Halophiles of the Genus <i>Haloarcula</i> with a Unique Structure of Gene Cluster. <i>Bioscience, Biotechnology and Biochemistry</i> , 2004, 68, 397-406. | 0.6 | 20 |
| 831 | Late summer protein supplementation for yearling cattle. <i>Rangeland Ecology and Management</i> , 2004, 57, 358-364. | 1.1 | 0 |
| 832 | Production of ammonia by <i>Trichomonas foetus</i> and <i>Trichomonas vaginalis</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 2435-2442. | 0.7 | 9 |
| 833 | Anaerobic growth of the haloalkaliphilic denitrifying sulfur-oxidizing bacterium <i>Thiobacillus thiooxidans</i> sp. nov. with thiocyanate. <i>Microbiology (United Kingdom)</i> , 2004, 150, 2435-2442. | 0.7 | 113 |
| 834 | An in vitro study on the ability of polyethylene glycol to inhibit the effect of quebracho tannins and tannic acid on rumen fermentation in sheep, goats, cows, and deer. <i>Australian Journal of Agricultural Research</i> , 2004, 55, 1125. | 1.5 | 68 |
| 835 | Jackbean, soybean and <i>Bacillus pasteurii</i> ureases. <i>FEBS Journal</i> , 2004, 271, 1357-1363. | 0.2 | 98 |
| 836 | Rumen microbes and fermentation of wild sika deer on the Shiretoko peninsula of Hokkaido Island, Japan. <i>Ecological Research</i> , 2004, 19, 389-395. | 0.7 | 22 |
| 837 | Effects of Nitrate Nutrition on Nitrogen Metabolism in Cassava. <i>Biologia Plantarum</i> , 2004, 48, 67-72. | 1.9 | 35 |
| 838 | Gibberellic Acid Production by Free and Immobilized Cells in Different Culture Systems. <i>Applied Biochemistry and Biotechnology</i> , 2004, 114, 381-388. | 1.4 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 839 | Reductive Cleavage of the N-N Bond of Hydrazine Induced by a Cationic Trinuclear Ruthenium Hexahydride Complex, [(Cp* ₃ Ru) ₃ (μ ₄ -H) ₆]X (Cp* = 1,5-C ₅ Me ₅ ; X = 1/2 SO ₄ , BF ₄ , PF ₆ , BPh ₄) and Dihydrogen. <i>Organometallics</i> , 2004, 23, 4040-4046. | 1.1 | 31 |
| 840 | Do Salivary Proline-Rich Proteins Counteract Dietary Hydrolyzable Tannin in Laboratory Rats?. <i>Journal of Chemical Ecology</i> , 2004, 30, 1679-1692. | 0.9 | 53 |
| 841 | Cadmium-induced senescence in nodules of soybean (<i>Glycine max</i> L.) plants. <i>Plant and Soil</i> , 2004, 262, 373-381. | 1.8 | 71 |
| 842 | Multi-step analysis of Hg ²⁺ ion inhibition of jack bean urease. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 1160-1168. | 1.5 | 70 |
| 843 | Ammonium and proline accumulation in senescing cut leaves of <i>Zantedeschia</i> . <i>Acta Physiologiae Plantarum</i> , 2004, 26, 417-422. | 1.0 | 6 |
| 844 | A continuous-flow instrument for the determination of linear polyacrylamide stability. <i>Electrophoresis</i> , 2004, 25, 2139-2143. | 1.3 | 3 |
| 845 | Antinutritional and/or toxic factors in soybean(<i>Glycine max</i> (L) Merrill) seeds: comparison of different cultivars adapted to the southern region of Brazil. <i>Journal of the Science of Food and Agriculture</i> , 2004, 84, 263-270. | 1.7 | 40 |
| 846 | Enrichment of Anammox biomass from municipal activated sludge: experimental and modelling results. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1421-1428. | 1.6 | 149 |
| 847 | Removal of trace organics from water using a pumped bed-membrane bioreactor with powdered activated carbon. <i>Journal of Membrane Science</i> , 2004, 239, 81-90. | 4.1 | 20 |
| 848 | Biscoumarin: new class of urease inhibitors; economical synthesis and activity. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 1963-1968. | 1.4 | 201 |
| 849 | A study of the inhibition of jack bean urease by garlic extract. <i>Food Chemistry</i> , 2004, 85, 553-558. | 4.2 | 40 |
| 850 | Exploitation of a waste from the brewing industry for laccase production by two <i>Trametes</i> species. <i>Journal of Food Engineering</i> , 2004, 64, 423-428. | 2.7 | 52 |
| 851 | Solid-state ammonia sensor based on Berthelot's reaction. <i>Sensors and Actuators B: Chemical</i> , 2004, 98, 12-17. | 4.0 | 54 |
| 852 | Growth and fermentation responses of <i>Phanerochaete chrysosporium</i> to O ₂ limitation. <i>Enzyme and Microbial Technology</i> , 2004, 34, 490-498. | 1.6 | 15 |
| 853 | Model-based fed-batch cultivation of <i>R. eutropha</i> for enhanced biopolymer production. <i>Biochemical Engineering Journal</i> , 2004, 20, 21-28. | 1.8 | 45 |
| 854 | Effects of different sources and rates of sulphur on the growth and foliar nutrition of nitrogen-fertilized lodgepole pine. <i>Canadian Journal of Forest Research</i> , 2004, 34, 728-743. | 0.8 | 16 |
| 855 | Separation of jack bean (<i>Canavalia ensiformis</i>) urease isoforms by immobilized metal affinity chromatography and characterization of insecticidal properties unrelated to ureolytic activity. <i>Plant Science</i> , 2004, , . | 1.7 | 0 |
| 856 | Late Summer Protein Supplementation for Yearling Cattle. <i>Journal of Range Management</i> , 2004, 57, 358. | 0.3 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 857 | Nutritional diagnoses in loblolly pine (<i>Pinus taeda</i> L.) established stands using three different approaches. <i>Forest Ecology and Management</i> , 2004, 203, 195-208. | 1.4 | 16 |
| 858 | Kinetics of novel competitive inhibitors of urease enzymes by a focused library of oxadiazoles/thiadiazoles and triazoles. <i>Biochemical and Biophysical Research Communications</i> , 2004, 319, 1053-1063. | 1.0 | 99 |
| 859 | Separation of jack bean (<i>Canavalia ensiformis</i>) urease isoforms by immobilized metal affinity chromatography and characterization of insecticidal properties unrelated to ureolytic activity. <i>Plant Science</i> , 2004, 167, 241-246. | 1.7 | 40 |
| 860 | Requirement of <i>hydD</i> , <i>hydE</i> , <i>hypC</i> and <i>hypE</i> genes for hydrogenase activity in <i>Helicobacter pylori</i> . <i>Microbial Pathogenesis</i> , 2004, 36, 153-157. | 1.3 | 28 |
| 861 | Feeding value to goats of whole-crop oat ensiled with green tea waste. <i>Animal Feed Science and Technology</i> , 2004, 113, 71-81. | 1.1 | 55 |
| 862 | Effect of administration of an anaerobic gut fungus isolated from wild blue bull (<i>Boselaphus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 ff nutrients. <i>Animal Feed Science and Technology</i> , 2004, 115, 143-157. | 1.1 | 45 |
| 863 | Fermentation Acids, Aerobic Fungal Growth, and Intake of Napiergrass Ensiled with Nonfiber Carbohydrates. <i>Journal of Dairy Science</i> , 2004, 87, 630-636. | 1.4 | 23 |
| 864 | The Effects of Buffered Propionic Acid-Based Additives Alone or Combined with Microbial Inoculation on the Fermentation of High Moisture Corn and Whole-Crop Barley. <i>Journal of Dairy Science</i> , 2004, 87, 1310-1316. | 1.4 | 29 |
| 865 | Effect of Corn Particle Size on Site and Extent of Starch Digestion in Lactating Dairy Cows. <i>Journal of Dairy Science</i> , 2004, 87, 1389-1399. | 1.4 | 70 |
| 866 | Influence of Pooled Colostrum or Colostrum Replacement on IgG and Evaluation of Animal Plasma in Milk Replacer. <i>Journal of Dairy Science</i> , 2004, 87, 1806-1814. | 1.4 | 60 |
| 867 | A Comparison of Processed Conventional Corn Silage to Unprocessed and Processed Brown Midrib Corn Silage on Intake, Digestion, and Milk Production by Dairy Cows. <i>Journal of Dairy Science</i> , 2004, 87, 2519-2526. | 1.4 | 45 |
| 868 | Ruminal fermentation and degradation patterns, protozoa population and urinary purine derivatives excretion in goats and wethers fed diets based on olive leaves ¹ . <i>Journal of Animal Science</i> , 2004, 82, 3006-3014. | 0.2 | 34 |
| 869 | Excretion of major odor-causing and acidifying compounds in response to dietary supplementation of chicory inulin in growing pigs ¹ . <i>Journal of Animal Science</i> , 2004, 82, 1678-1684. | 0.2 | 50 |
| 870 | Ruminal fermentation and degradation patterns, protozoa population, and urinary purine derivatives excretion in goats and wethers fed diets based on two-stage olive cake: Effect of PEG supply ¹ . <i>Journal of Animal Science</i> , 2004, 82, 2023-2032. | 0.2 | 79 |
| 871 | Energy requirements during pregnancy based on total energy expenditure and energy deposition. <i>American Journal of Clinical Nutrition</i> , 2004, 79, 1078-1087. | 2.2 | 235 |
| 872 | NITROGEN FERTILIZATION SUPPRESSES SOIL PHENOL OXIDASE ENZYME ACTIVITY IN NO-TILLAGE SYSTEMS. <i>Soil Science</i> , 2004, 169, 708-714. | 0.9 | 37 |
| 873 | Inter-relationship of microbial activity, digestion and gut health in the rabbit: effect of substituting fibre by starch in diets having a high proportion of rapidly fermentable polysaccharides. <i>British Journal of Nutrition</i> , 2004, 92, 95-104. | 1.2 | 53 |
| 874 | Effects of supplement grain type and level of feeding on the milk production of early-lactation Holstein - Friesian cows grazing temperate and tropical pastures. <i>Australian Journal of Experimental Agriculture</i> , 2004, 44, 735. | 1.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 875 | The use of Fourier transform infrared spectroscopy to assay for urease from <i>Pseudomonas aeruginosa</i> and <i>Canavalia ensiformis</i> . <i>Analytical Biochemistry</i> , 2004, 331, 115-121. | 1.1 | 23 |
| 876 | Chemical Characteristics and Biological Activity of Organic Substances Extracted from Soils by Root Exudates. <i>Soil Science Society of America Journal</i> , 2005, 69, 2012-2019. | 1.2 | 57 |
| 877 | Influence of disodium malate on microbial growth and fermentation in rumen-simulation technique fermenters receiving medium- and high-concentrate diets. <i>British Journal of Nutrition</i> , 2005, 93, 479-484. | 1.2 | 34 |
| 878 | <i>Cistanche deserticola</i> cell suspension cultures: Phenylethanoid glycosides biosynthesis and antioxidant activity. <i>Process Biochemistry</i> , 2005, 40, 3119-3124. | 1.8 | 24 |
| 879 | Porous silicon as an entrapping matrix for the immobilization of urease. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 258-263. | 4.0 | 59 |
| 880 | Soybean milk residue ensiled with peanut hulls: fermentation acids, cell wall composition, and silage utilization by mixed ruminal microorganisms. <i>Bioresource Technology</i> , 2005, 96, 1419-1424. | 4.8 | 14 |
| 881 | Studies on phosphate uptake by <i>Acinetobacter calcoaceticus</i> under aerobic conditions. <i>Enzyme and Microbial Technology</i> , 2005, 36, 362-368. | 1.6 | 13 |
| 882 | Mutational analysis of the <i>Helicobacter pylori</i> carbonic anhydrases. <i>FEMS Immunology and Medical Microbiology</i> , 2005, 44, 183-189. | 2.7 | 30 |
| 883 | Multiple analysis reprogrammable titration analyser for the kinetic characterization of nitrifying and autotrophic denitrifying biomass. <i>Biochemical Engineering Journal</i> , 2005, 26, 176-183. | 1.8 | 22 |
| 884 | Treatment of two industrial wastewaters in a submerged membrane bioreactor. <i>Desalination</i> , 2005, 179, 161-169. | 4.0 | 75 |
| 885 | Contribution of <i>dppA</i> to Urease Activity in <i>Helicobacter pylori</i> 26695. <i>Helicobacter</i> , 2005, 10, 416-423. | 1.6 | 19 |
| 886 | Effects of pre-feeding of a corn silage-based supplement on the feed intake, milk production and nitrogen utilization of grazing dairy cows. <i>Animal Science Journal</i> , 2005, 76, 453-460. | 0.6 | 9 |
| 887 | Synthesis of tungsten complexes that contain hexaisopropylterphenyl-substituted triamidoamine ligands, and reactions relevant to the reduction of dinitrogen to ammonia. <i>Canadian Journal of Chemistry</i> , 2005, 83, 341-357. | 0.6 | 57 |
| 888 | Abscisic acid accumulation and cadmium tolerance in rice seedlings. <i>Physiologia Plantarum</i> , 2005, 124, 71-80. | 2.6 | 94 |
| 889 | Source apportionment of fine and coarse particulate matter in a sub-urban area at the Western European Coast. <i>Atmospheric Environment</i> , 2005, 39, 3127-3138. | 1.9 | 261 |
| 890 | Chemical characteristics of individual rain events from a semi-arid region in India: Three-year study. <i>Atmospheric Environment</i> , 2005, 39, 3313-3323. | 1.9 | 93 |
| 891 | Long-term characterization of ionic species in aerosols from urban and high-altitude sites in western India: Role of mineral dust and anthropogenic sources. <i>Atmospheric Environment</i> , 2005, 39, 5541-5554. | 1.9 | 101 |
| 892 | Syntheses and Biological Activities of Chalcone and 1,5-Benzothiazepine Derivatives: Promising New Free-Radical Scavengers, and Esterase, Urease, and β -Glucosidase Inhibitors. <i>Chemistry and Biodiversity</i> , 2005, 2, 487-496. | 1.0 | 65 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 893 | Development of a membrane-assisted hybrid bioreactor for ammonia and COD removal in wastewaters. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 206-215. | 1.6 | 10 |
| 894 | Comparison of sheep and red deer rumen fluids for assessing nutritive value of ruminant feedstuffs. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 2495-2502. | 1.7 | 10 |
| 895 | An innovative biofilm-suspended biomass hybrid membrane bioreactor for wastewater treatment. <i>Desalination</i> , 2005, 179, 171-179. | 4.0 | 57 |
| 896 | Jack bean (<i>Canavalia ensiformis</i>) urease. Probing acid-base groups of the active site by pH variation. <i>Plant Physiology and Biochemistry</i> , 2005, 43, 651-658. | 2.8 | 74 |
| 897 | Early effects of phenolic compounds, extracted from two forest litters, on ammonium uptake and assimilation in <i>Pinus laricio</i> and <i>Pinus pinaster</i> seedlings. <i>Plant and Soil</i> , 2005, 269, 309-320. | 1.8 | 9 |
| 898 | Polyamines and proline are affected by cadmium stress in nodules and roots of soybean plants. <i>Plant and Soil</i> , 2005, 270, 343-353. | 1.8 | 53 |
| 899 | The Contribution of Body Protein to the Supply of Energy in Starved Newborn Piglets Is Not Preferentially Suppressed by Intravenous Provision of Glucose and Fat. <i>Journal of Nutrition</i> , 2005, 135, 2609-2615. | 1.3 | 5 |
| 900 | Effect of cereal sources and processing in diets for the growing rabbit. I. Effects on digestion and fermentative activity in the caecum. <i>Animal Research</i> , 2005, 54, 55-64. | 0.6 | 14 |
| 901 | Allophanate Hydrolase, Not Urease, Functions in Bacterial Cyanuric Acid Metabolism. <i>Applied and Environmental Microbiology</i> , 2005, 71, 4437-4445. | 1.4 | 64 |
| 902 | Biosynthesis of Active <i>Bacillus subtilis</i> Urease in the Absence of Known Urease Accessory Proteins. <i>Journal of Bacteriology</i> , 2005, 187, 7150-7154. | 1.0 | 33 |
| 903 | Effect of a high fibre intake on the resistance of the growing rabbit to an experimental inoculation with an enteropathogenic strain of <i>Escherichia coli</i> . <i>Animal Science</i> , 2005, 80, 281-288. | 1.3 | 35 |
| 904 | The effects of an <i>Aspergillus oryzae</i> extract containing alpha-amylase activity on ruminal fermentation and milk production in lactating Holstein cows. <i>Animal Science</i> , 2005, 81, 365-374. | 1.3 | 54 |
| 905 | Purification and Characterization of Allophanate Hydrolase (AtzF) from <i>Pseudomonas</i> sp. Strain ADP. <i>Journal of Bacteriology</i> , 2005, 187, 3731-3738. | 1.0 | 52 |
| 906 | Design and fabrication of integrated micro ammonia analysis system (IMAAS) with micro reactor and in-plane typeoptical detector using berthelot reaction and micro fluidic devices. , 0, , . | | 0 |
| 907 | In vitromicrobial growth and rumen fermentation of different substrates as affected by the addition of disodium malate. <i>Animal Science</i> , 2005, 81, 31-38. | 1.3 | 33 |
| 908 | Free vs chitosan-immobilized urease: Microenvironmental effects on enzyme inhibitions. <i>Biocatalysis and Biotransformation</i> , 2005, 23, 225-232. | 1.1 | 33 |
| 909 | Propionate precursors and other metabolic intermediates as possible alternative electron acceptors to methanogenesis in ruminal fermentation in vitro. <i>British Journal of Nutrition</i> , 2005, 94, 27-35. | 1.2 | 151 |
| 910 | Influence of Extruded Soybeans With or Without Bicarbonate on Milk Performance and Fatty Acid Composition of Goat Milk. <i>Journal of Dairy Science</i> , 2005, 88, 757-765. | 1.4 | 27 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 911 | Effects of Physically Effective Fiber on Digestion and Milk Production by Dairy Cows Fed Diets Based on Corn Silage. <i>Journal of Dairy Science</i> , 2005, 88, 1090-1098. | 1.4 | 51 |
| 912 | Effects of Flaxseed on Protein Requirements and N Excretion of Dairy Cows Fed Diets with Two Protein Concentrations. <i>Journal of Dairy Science</i> , 2005, 88, 1755-1764. | 1.4 | 32 |
| 913 | Pre- and Postweaning Attributes in Faunated and Ciliate-Free Calves Fed Calf Starter With or Without Fish Meal. <i>Journal of Dairy Science</i> , 2005, 88, 2027-2036. | 1.4 | 15 |
| 914 | Effects of Physically Effective Fiber on Intake, Chewing Activity, and Ruminal Acidosis for Dairy Cows Fed Diets Based on Corn Silage. <i>Journal of Dairy Science</i> , 2005, 88, 2117-2129. | 1.4 | 213 |
| 915 | The Effects of Various Antifungal Additives on the Fermentation and Aerobic Stability of Corn Silage. <i>Journal of Dairy Science</i> , 2005, 88, 2130-2139. | 1.4 | 170 |
| 916 | Proteolysis, Fermentation Efficiency, and In Vitro Ruminal Digestion of Peanut Stover Ensiled with Raw or Heated Corn. <i>Journal of Dairy Science</i> , 2005, 88, 2903-2910. | 1.4 | 12 |
| 917 | Two new diterpene polyesters from <i>Euphorbia decipiens</i> . <i>Natural Product Research</i> , 2005, 19, 267-274. | 1.0 | 8 |
| 918 | Effects of post-thinning density and repeated fertilization on the growth and development of young lodgepole pine. <i>Canadian Journal of Forest Research</i> , 2005, 35, 1952-1964. | 0.8 | 38 |
| 919 | Catalytic reduction of dinitrogen to ammonia at well-defined single metal sites. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2005, 363, 959-969. | 1.6 | 34 |
| 920 | Cleavage of Hydrazine Nâ”N Bonds by RuMo3S4 Cubane-Type Clusters. <i>Inorganic Chemistry</i> , 2005, 44, 3768-3770. | 1.9 | 73 |
| 921 | Preparation of polyvinyl alcohol-polyacrylamide composite polymer membrane by Î³-irradiation for entrapment of urease. <i>Journal of Proteomics</i> , 2005, 62, 215-218. | 2.4 | 16 |
| 922 | Hydrogen peroxide is required for abscisic acid-induced NH4+ accumulation in rice leaves. <i>Journal of Plant Physiology</i> , 2005, 162, 1022-1029. | 1.6 | 11 |
| 923 | Deposition velocities to <i>Sorbus aria</i> , <i>Acer campestre</i> , <i>Populus deltoides</i> Å— <i>trichocarpa</i> â€” <i>Beaupr</i> Ã©â€™, <i>Pinus nigra</i> and Å— <i>Cupressocyparis leylandii</i> for coarse, fine and ultra-fine particles in the urban environment. <i>Environmental Pollution</i> , 2005, 133, 157-167. | 3.7 | 290 |
| 924 | Effect of chemical modification of histidines on the copper-induced oligomerization of jack bean urease (EC 3.5.1.5). <i>Archives of Biochemistry and Biophysics</i> , 2005, 435, 15-20. | 1.4 | 37 |
| 925 | Feeding of grainless diets containing different nitrogen sources to crossbred growing bulls: effects on rumen fermentation pattern, microbial enzyme activity and ciliate protozoa population. <i>Animal Feed Science and Technology</i> , 2005, 118, 187-200. | 1.1 | 8 |
| 926 | Monensin supplementation of lactating cows fed tropical grasses and cane molasses or grain. <i>Animal Feed Science and Technology</i> , 2005, 120, 1-16. | 1.1 | 19 |
| 927 | Studies Relevant to Catalytic Reduction of Dinitrogen to Ammonia by Molybdenum Triamidoamine Complexes. <i>Inorganic Chemistry</i> , 2005, 44, 1103-1117. | 1.9 | 210 |
| 928 | Enzyme inhibition and radical scavenging activities of aerial parts of <i>Paeonia emodi</i> Wall. (<i>Paeoniaceae</i>). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2005, 20, 245-249. | 2.5 | 25 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 929 | Effect of <i>Sapindus mukorossi</i> Extracts on <i>in vitro</i> Methanogenesis and Fermentation Characteristics in Buffalo Rumen Liquor. Journal of Applied Animal Research, 2006, 30, 1-4. | 0.4 | 41 |
| 930 | Inhibition activities of <i>colchicum luteumbaker</i> on lipoxygenase and other enzymes. Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 449-452. | 2.5 | 19 |
| 931 | Novel urease inhibitors from <i>Daphne oleoids</i> . Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 527-529. | 2.5 | 18 |
| 932 | Effects of Addition of Essential Oils and Monensin Premix on Digestion, Ruminal Fermentation, Milk Production, and Milk Composition in Dairy Cows. Journal of Dairy Science, 2006, 89, 4352-4364. | 1.4 | 196 |
| 933 | Effects of Physically Effective Fiber on Chewing Activity and Ruminal pH of Dairy Cows Fed Diets Based on Barley Silage. Journal of Dairy Science, 2006, 89, 217-228. | 1.4 | 115 |
| 934 | Physically Effective Fiber: Method of Determination and Effects on Chewing, Ruminal Acidosis, and Digestion by Dairy Cows. Journal of Dairy Science, 2006, 89, 2618-2633. | 1.4 | 110 |
| 935 | The Effects of <i>Lactobacillus buchneri</i> 40788 and <i>Pediococcus pentosaceus</i> R1094 on the Fermentation of Corn Silage. Journal of Dairy Science, 2006, 89, 3999-4004. | 1.4 | 100 |
| 936 | Evaluation of Various Sources of Corn Dried Distillers Grains Plus Solubles for Lactating Dairy Cattle. Journal of Dairy Science, 2006, 89, 4784-4794. | 1.4 | 89 |
| 937 | Caffeic Acid Derivatives Production by Hairy Root Cultures of <i>Echinacea purpurea</i> . Journal of Agricultural and Food Chemistry, 2006, 54, 8456-8460. | 2.4 | 67 |
| 938 | Inhibition of jack bean urease by <i>p</i> -benzoquinone: elucidation of the role of thiols and reversibility of the process. Journal of Enzyme Inhibition and Medicinal Chemistry, 2006, 21, 697-701. | 2.5 | 7 |
| 939 | The Determination of Urea, Ammonia, and Urease. Methods of Biochemical Analysis, 2006, 17, 311-324. | 0.2 | 105 |
| 940 | Extractability and biological activity of tannins from various tree leaves determined by chemical and biological assays as affected by drying procedure. Animal Feed Science and Technology, 2006, 125, 139-149. | 1.1 | 30 |
| 941 | Intake and digestion by lambs of dwarf elephant grass (<i>Pennisetum purpureum</i> Schum. cv. Mott) hay or hay supplemented with urea and different levels of cracked corn grain. Animal Feed Science and Technology, 2006, 125, 111-122. | 1.1 | 16 |
| 942 | Evaluation of two methods for ammonia extraction and analysis in silage samples. Animal Feed Science and Technology, 2006, 127, 336-342. | 1.1 | 4 |
| 943 | Consequence of grazing pattern and vegetation structure on the spatial variations of net N mineralisation in a wet grassland. Applied Soil Ecology, 2006, 31, 62-72. | 2.1 | 34 |
| 944 | Gill ATPase activities of silver perch, <i>Bidyanus bidyanus</i> (Mitchell), and golden perch, <i>Macquaria ambigua</i> (Richardson): Effects of environmental salt and ammonia. Aquaculture, 2006, 251, 118-133. | 1.7 | 52 |
| 945 | Chemical characterization of dew at a regional representative site of North-Central India. Atmospheric Research, 2006, 80, 239-249. | 1.8 | 30 |
| 946 | <i>Bacillus pasteurii</i> urease shares with plant ureases the ability to induce aggregation of blood platelets. Archives of Biochemistry and Biophysics, 2006, 452, 149-155. | 1.4 | 26 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 947 | Responses of whole body protein synthesis, nitrogen retention and glucose kinetics to supplemental starch in goats. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 144, 180-187. | 0.7 | 24 |
| 948 | Size fractionated speciation of nitrate and sulfate aerosols in a sub-tropical industrial environment. <i>Chemosphere</i> , 2006, 63, 49-57. | 4.2 | 12 |
| 949 | Thermostable d-carbamoylase from <i>Sinorhizobium Amorelens S-5</i> : purification, characterization and gene expression in <i>Escherichia coli</i> . <i>Biochimie</i> , 2006, 88, 237-244. | 1.3 | 6 |
| 951 | Influence of percentage of concentrate in combination with rolled canola seeds on performance, rumen fermentation and milk fatty acid composition in dairy goats. <i>Livestock Science</i> , 2006, 104, 77-90. | 0.6 | 19 |
| 952 | Physiological and biochemical responses resulting from nitrite accumulation in tomato (<i>Lycopersicon esculentum</i> Mill. cv. Ibiza F1). <i>Journal of Plant Physiology</i> , 2006, 163, 1032-1039. | 1.6 | 18 |
| 953 | NaCl stress effects on enzymes involved in nitrogen assimilation pathway in tomato <i>Lycopersicon esculentum</i> seedlings. <i>Journal of Plant Physiology</i> , 2006, 163, 1247-1258. | 1.6 | 208 |
| 954 | The role of <i>Klebsiella pneumoniae</i> urease in intestinal colonization and resistance to gastrointestinal stress. <i>Research in Microbiology</i> , 2006, 157, 184-193. | 1.0 | 70 |
| 955 | Efeito do nitrato e amônio sobre o crescimento e eficiência de utilização do nitrogênio em mandioca. <i>Bragantia</i> , 2006, 65, 467-475. | 1.3 | 10 |
| 956 | Effects of malate on diet digestibility, microbial protein synthesis, plasma metabolites, and performance of growing lambs fed a high-concentrate diet. <i>Journal of Animal Science</i> , 2006, 84, 405-410. | 0.2 | 34 |
| 957 | Ganho de peso vivo e fermentação ruminal em novilhos mantidos em pastagem cultivada de clima temperado e recebendo diferentes suplementos. <i>Ciencia Rural</i> , 2006, 36, 898-903. | 0.3 | 5 |
| 958 | Alterações bromatológicas nas silagens de milho submetidas a crescentes tempos de exposição ao ar "desensilagem". <i>Ciencia Rural</i> , 2006, 36, 916-923. | 0.3 | 9 |
| 959 | Níveis de fibra em detergente neutro na dieta de cordeiros: consumo, digestibilidade e fermentação ruminal. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2006, 58, 893-900. | 0.1 | 21 |
| 960 | Normalization of Energy Expenditure Data for Differences in Body Mass or Composition in Children and Adolescents. <i>Journal of Nutrition</i> , 2006, 136, 1371-1376. | 1.3 | 34 |
| 961 | Ammonia volatilization from surface-applied livestock slurry as affected by slurry composition and slurry infiltration depth. <i>Journal of Agricultural Science</i> , 2006, 144, 229-235. | 0.6 | 67 |
| 962 | Comparison of alfalfa and mixed alfalfa-sainfoin pastures for grazing cattle: Effects on incidence of bloat, ruminal fermentation, and feed intake. <i>Canadian Journal of Animal Science</i> , 2006, 86, 383-392. | 0.7 | 53 |
| 963 | Effects of dietary neutral detergent fibre on production performance, nutrient utilization, caecum fermentation and fibrolytic activity in 2- to 3-month-old New Zealand rabbits. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2006, 90, 467-473. | 1.0 | 15 |
| 964 | Antisense repression reveals a crucial role of the plastidic 2-oxoglutarate/malate translocator DiT1 at the interface between carbon and nitrogen metabolism. <i>Plant Journal</i> , 2006, 45, 206-224. | 2.8 | 110 |
| 965 | Mechanism of cyanide and thiocyanate decomposition by an association of <i>Pseudomonas putida</i> and <i>Pseudomonas stutzeri</i> strains. <i>Microbiology</i> , 2006, 75, 266-273. | 0.5 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 966 | Preparation of urease-immobilized polymeric membranes and their function. <i>Catalysis Today</i> , 2006, 118, 158-165. | 2.2 | 13 |
| 967 | Cysteine based novel noncompetitive inhibitors of urease(s) – Distinctive inhibition susceptibility of microbial and plant ureases. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6737-6744. | 1.4 | 34 |
| 968 | Significant effect of NH ₄ ⁺ on cordycepin production by submerged cultivation of medicinal mushroom <i>Cordyceps militaris</i> . <i>Enzyme and Microbial Technology</i> , 2006, 38, 343-350. | 1.6 | 60 |
| 969 | Biodegradation of melamine formaldehyde by <i>Micrococcus</i> sp. strain MF-1 isolated from aminoplastic wastewater effluent. <i>International Biodeterioration and Biodegradation</i> , 2006, 57, 75-81. | 1.9 | 41 |
| 970 | Combined application of multielement analysis – ICP-AES and PIXE – and classical techniques for source apportionment in aerosol studies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 564, 752-760. | 0.7 | 28 |
| 971 | Biological phosphate removal by model based continuous cultivation of <i>Acinetobacter calcoaceticus</i> . <i>Process Biochemistry</i> , 2006, 41, 624-630. | 1.8 | 12 |
| 972 | Medium optimization by orthogonal array designs for urease production by <i>Aspergillus niger</i> PTCC5011. <i>Process Biochemistry</i> , 2006, 41, 547-551. | 1.8 | 18 |
| 973 | Design, fabrication and characterization of an integrated micro ammonia analysis system (IMAAS) with microreactor and in-plane type optical detector based on the Berthelot reaction. <i>Sensors and Actuators B: Chemical</i> , 2006, 117, 516-522. | 4.0 | 22 |
| 974 | Effects of supplemental lauric acid-rich oils in high-grain diet on in vitro rumen fermentation. <i>Animal Science Journal</i> , 2006, 77, 300-307. | 0.6 | 27 |
| 975 | Supplementary effect of peppermint (<i>Mentha \times piperita</i>) on dry matter intake, digestibility, ruminal fermentation and milk production in early lactating dairy cows. <i>Animal Science Journal</i> , 2006, 77, 503-509. | 0.6 | 22 |
| 976 | Cadmium-induced ammonium ion accumulation of rice seedlings at high temperature is mediated through abscisic acid. <i>Plant and Soil</i> , 2006, 287, 267-277. | 1.8 | 9 |
| 977 | Expression of a boiling-stable protein (BsCyp) in response to heat shock, drought and ABA treatments in <i>Sorghum bicolor</i> . <i>Plant Growth Regulation</i> , 2006, 48, 271. | 1.8 | 29 |
| 978 | Inhibition of urease by bismuth(III): Implications for the mechanism of action of bismuth drugs. <i>BioMetals</i> , 2006, 19, 503-511. | 1.8 | 112 |
| 979 | Successful computer guided planned synthesis of (4R)-thiazolidine carboxylic acid and its 2-substituted analogues as urease inhibitors. <i>Molecular Diversity</i> , 2006, 10, 223-231. | 2.1 | 20 |
| 980 | <i>Cryptococcus neoformans</i> and <i>Cryptococcus gattii</i> Isolated from the Excreta of Psittaciformes in a Southern Brazilian Zoological Garden. <i>Mycopathologia</i> , 2006, 161, 83-91. | 1.3 | 60 |
| 981 | Growth characteristic of anaerobic ammonium-oxidizing bacteria in an anaerobic biological filtrated reactor. <i>Applied Microbiology and Biotechnology</i> , 2006, 70, 47-52. | 1.7 | 133 |
| 982 | Automated feeding strategies for high-cell-density fed-batch cultivation of <i>Pseudomonas putida</i> KT2440. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 423-431. | 1.7 | 73 |
| 983 | Identification of Intestinal Bacteria Responsible for Fermentation of Gum Arabic in Pig Model. <i>Current Microbiology</i> , 2006, 53, 173-177. | 1.0 | 48 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 984 | Source apportionment of atmospheric urban aerosol based on weekdays/weekend variability: evaluation of road re-suspended dust contribution. <i>Atmospheric Environment</i> , 2006, 40, 2058-2067. | 1.9 | 134 |
| 985 | Approaching PM _{2.5} and PM _{2.5-10} source apportionment by mass balance analysis, principal component analysis and particle size distribution. <i>Science of the Total Environment</i> , 2006, 368, 663-674. | 3.9 | 132 |
| 986 | Effect of polyethylene glycol, urea and sunflower meal on olive (<i>Olea europaea</i> var. <i>europaea</i>) leaf fermentation in continuous fermentors. <i>Small Ruminant Research</i> , 2006, 61, 53-61. | 0.6 | 13 |
| 987 | Retention of activity of urease immobilized on grafted polymer films. <i>Journal of Applied Polymer Science</i> , 2006, 102, 4886-4896. | 1.3 | 29 |
| 988 | A nitrogen balance experiment using simulated urine samples. <i>Biochemistry and Molecular Biology Education</i> , 2006, 34, 289-293. | 0.5 | 2 |
| 989 | Effect of adding an anaerobic fungal culture isolated from a wild blue bull (<i>Boselophus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 degradation of tannins and tannin-containing Kachnar tree (<i>Bauhinia variegata</i>) leaves and wheat straw. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 258-270. | 1.7 | 14 |
| 990 | Effects of tannic acid and quebracho tannins on in vitro ruminal fermentation of wheat and corn grain. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 1244-1256. | 1.7 | 37 |
| 991 | Ruminal degradation of mountain pastures infested by <i>Euphorbia polygalifolia</i> in cattle and sheep: effect of previous grazing in invaded areas. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 2153-2160. | 1.7 | 2 |
| 992 | N -Acetylanthranilate Amidase from <i>Arthrobacter nitroguajacolicus</i> Ru ¹ 61a, an α -Hydrolase-Fold Protein Active towards Aryl-Acylamides and -Esters, and Properties of Its Cysteine-Deficient Variant. <i>Journal of Bacteriology</i> , 2006, 188, 8430-8440. | 1.0 | 15 |
| 993 | The UreEF Fusion Protein Provides a Soluble and Functional Form of the UreF Urease Accessory Protein. <i>Journal of Bacteriology</i> , 2006, 188, 8413-8420. | 1.0 | 22 |
| 994 | Purification and Characterization of TrzF: Biuret Hydrolysis by Allophanate Hydrolase Supports Growth. <i>Applied and Environmental Microbiology</i> , 2006, 72, 2491-2495. | 1.4 | 27 |
| 995 | Inhibition of jack bean urease by tetrachloro-o-benzoquinone and tetrachloro-p-benzoquinone. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006, 21, 537-542. | 2.5 | 31 |
| 996 | Piperidines: A new class of Urease inhibitors. <i>Natural Product Research</i> , 2006, 20, 523-530. | 1.0 | 13 |
| 997 | <i>Helicobacter pylori</i> HP1512 Is a Nickel-Responsive NikR-Regulated Outer Membrane Protein. <i>Infection and Immunity</i> , 2006, 74, 6811-6820. | 1.0 | 46 |
| 998 | New natural urease inhibitors from <i>Ranunculus repens</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2006, 21, 17-19. | 2.5 | 15 |
| 999 | Enzyme inhibition activities of <i>Andrachne cardifolia</i> Muell. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 235-238. | 2.5 | 6 |
| 1000 | Roles of His-Rich Hpn and Hpn-Like Proteins in <i>Helicobacter pylori</i> Nickel Physiology. <i>Journal of Bacteriology</i> , 2007, 189, 4120-4126. | 1.0 | 77 |
| 1001 | Acetonitrile degradation under haloalkaline conditions by <i>Natronocella acetinitrilica</i> gen. nov., sp. nov.. <i>Microbiology (United Kingdom)</i> , 2007, 153, 1157-1164. | 0.7 | 49 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1002 | The Chemistry of Nickel-Containing Enzymes. Progress in Inorganic Chemistry, 2007, , 493-597. | 3.0 | 68 |
| 1003 | Experimental study on nitrogen components during composting process of feces. Water Science and Technology, 2007, 55, 181-186. | 1.2 | 12 |
| 1004 | Manganese Peroxidase Production by Immobilized <i>Phanerochaete chrysosporium</i> BKMâ€ƒFâ€ƒ1767 in a Cell Bioreactor. Preparative Biochemistry and Biotechnology, 2007, 38, 1-12. | 1.0 | 3 |
| 1005 | Use of condensed tannin extract from quebracho trees to reduce methane emissions from cattle1. Journal of Animal Science, 2007, 85, 1990-1996. | 0.2 | 292 |
| 1006 | Carbon and nitrogen metabolism during <i>Dendrobium huoshanense</i> protocorm-like body development in suspension culture. Plant Biosystems, 2007, 141, 62-68. | 0.8 | 6 |
| 1007 | Complex Regulation of Urease Formation from the Two Promoters of the <i>ure</i> Operon of <i>Klebsiella pneumoniae</i> . Journal of Bacteriology, 2007, 189, 7593-7599. | 1.0 | 22 |
| 1008 | Adaptation of <i>Pseudomonas</i> sp. Strain 7-6 to Quaternary Ammonium Compounds and Their Degradation via Dual Pathways. Applied and Environmental Microbiology, 2007, 73, 1797-1802. | 1.4 | 78 |
| 1009 | <i>Howardella ureilytica</i> gen. nov., sp. nov., a Gram-positive, coccoid-shaped bacterium from a sheep rumen. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 2940-2945. | 0.8 | 38 |
| 1010 | The Question of Artificial Photosynthesis of Ammonia on Heterogeneous Catalysts. Advances in Photochemistry, 2007, , 235-310. | 0.4 | 10 |
| 1011 | Effect of mechanical processing of corn silage on in vitro ruminal fermentation, and in situ bacterial colonization and dry matter degradation. Canadian Journal of Animal Science, 2007, 87, 259-267. | 0.7 | 20 |
| 1012 | Anthelmintic and nutritional effects of heather supplementation on Cashmere goats grazing perennial ryegrass-white clover pastures1. Journal of Animal Science, 2007, 85, 861-870. | 0.2 | 47 |
| 1013 | Inhibition of activity of urease in native form and immobilized on chitosan membrane by sodium fluoride. Journal of Chemical Technology and Biotechnology, 2007, 57, 113-120. | 1.6 | 12 |
| 1014 | The effect of absence of protozoa on rumen biohydrogenation and the fatty acid composition of lamb muscle. British Journal of Nutrition, 2007, 97, 938-948. | 1.2 | 39 |
| 1015 | Antifungal activity of plant and bacterial ureases. Toxicon, 2007, 50, 971-983. | 0.8 | 72 |
| 1016 | Sorbitol and lactitol reduce body fat and toxic ammonia levels in rats. Nutrition Research, 2007, 27, 440-447. | 1.3 | 4 |
| 1017 | Microbial Isobutyronitrile Utilization under Haloalkaline Conditions. Applied and Environmental Microbiology, 2007, 73, 5574-5579. | 1.4 | 27 |
| 1018 | Effects of mixing sainfoin with alfalfa on ensiling, ruminal fermentation and total tract digestion of silage. Animal Feed Science and Technology, 2007, 135, 296-314. | 1.1 | 40 |
| 1019 | Intake and digestion by lambs fed a low-quality grass hay supplemented or not with urea, casein or cassava meal. Animal Feed Science and Technology, 2007, 136, 191-202. | 1.1 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1020 | Isolation and characterization of dissolved organic matter from the Callovo-Oxfordian formation. <i>Applied Geochemistry</i> , 2007, 22, 1537-1548. | 1.4 | 63 |
| 1021 | Characterization of dissolved organic matter in anoxic rock extracts and in situ pore water of the Opalinus Clay. <i>Applied Geochemistry</i> , 2007, 22, 2926-2939. | 1.4 | 70 |
| 1022 | Gamma- ¹³ C-lactones as novel inhibitors of bacterial urease activity. <i>Biochemical and Biophysical Research Communications</i> , 2007, 356, 457-463. | 1.0 | 28 |
| 1023 | The participation of hydrogen peroxide in methyl jasmonate-induced NH ₄ ⁺ accumulation in rice leaves. <i>Journal of Plant Physiology</i> , 2007, 164, 1469-1479. | 1.6 | 22 |
| 1024 | Discovery of a mandelonitrile hydrolase from <i>Bradyrhizobium japonicum</i> USDA110 by rational genome mining. <i>Journal of Biotechnology</i> , 2007, 129, 645-650. | 1.9 | 51 |
| 1025 | Dried Distillers Grains Plus Solubles with Corn Silage or Alfalfa Hay as the Primary Forage Source in Dairy Cow Diets. <i>Journal of Dairy Science</i> , 2007, 90, 5587-5599. | 1.4 | 40 |
| 1026 | Influence of Dietary Fat and Protein on Body Composition of Jersey Bull Calves. <i>Journal of Dairy Science</i> , 2007, 90, 5600-5609. | 1.4 | 57 |
| 1027 | Altering Physically Effective Fiber Intake Through Forage Proportion and Particle Length: Chewing and Ruminal pH. <i>Journal of Dairy Science</i> , 2007, 90, 2826-2838. | 1.4 | 99 |
| 1028 | Effects of Garlic and Juniper Berry Essential Oils on Ruminal Fermentation and on the Site and Extent of Digestion in Lactating Cows. <i>Journal of Dairy Science</i> , 2007, 90, 5671-5681. | 1.4 | 157 |
| 1029 | Effects of a Mixture of Lactic Acid Bacteria Applied as a Freeze-Dried or Fresh Culture on the Fermentation of Alfalfa Silage. <i>Journal of Dairy Science</i> , 2007, 90, 5698-5705. | 1.4 | 17 |
| 1030 | Effects of Essential Oils on Digestion, Ruminal Fermentation, Rumen Microbial Populations, Milk Production, and Milk Composition in Dairy Cows Fed Alfalfa Silage or Corn Silage. <i>Journal of Dairy Science</i> , 2007, 90, 886-897. | 1.4 | 223 |
| 1031 | Responses to dietary starch or sucrose on protein and glucose kinetics in goats fed a high-concentrate diet. <i>Archives of Animal Nutrition</i> , 2007, 61, 31-41. | 0.9 | 1 |
| 1032 | Evaluation of an intestinal <i>Lactobacillus reuteri</i> strain expressing rumen fungal xylanase as a probiotic for broiler chickens fed on a wheat-based diet. <i>British Poultry Science</i> , 2007, 48, 507-514. | 0.8 | 42 |
| 1033 | Enzyme inhibition activities of the extracts from rhizomes of <i>Gloriosa superba</i> Linn (<i>Colchicaceae</i>). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 722-725. | 2.5 | 40 |
| 1034 | Spectral analysis and <i>in vitro</i> cytotoxicity profiles of novel organotin(IV) esters of 2-maleimidopropanoic acid. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 343-350. | 2.5 | 15 |
| 1035 | Effects of 12 years of repeated fertilization on the foliar nutrition and growth of young lodgepole pine in the central interior of British Columbia. <i>Canadian Journal of Forest Research</i> , 2007, 37, 2115-2129. | 0.8 | 29 |
| 1036 | Methane abatement strategies for cattle: Lipid supplementation of diets. <i>Canadian Journal of Animal Science</i> , 2007, 87, 431-440. | 0.7 | 129 |
| 1037 | Effect of External Nitrogen and Potassium Supply on Xylem Sap Composition of Sugarcane. <i>Journal of Plant Nutrition</i> , 2007, 30, 187-201. | 0.9 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1038 | Changes in Growth and Activity of Enzymes Involved in Nitrate Reduction and Ammonium Assimilation in Tomato Seedlings in Response to NaCl Stress. <i>Annals of Botany</i> , 2007, 99, 1143-1151. | 1.4 | 114 |
| 1039 | Urease immobilized on chitosan membrane: Preparation and properties. <i>Journal of Chemical Technology and Biotechnology</i> , 1990, 48, 337-350. | 1.6 | 151 |
| 1040 | Effects of essential oils and their components on in vitro rumen microbial fermentation. <i>Canadian Journal of Animal Science</i> , 2007, 87, 413-419. | 0.7 | 99 |
| 1041 | Short-term Response of Soil Iron to Nitrate Addition. <i>Soil Science Society of America Journal</i> , 2007, 71, 108-117. | 1.2 | 24 |
| 1042 | ComposiçÃo bromatolÃgica de silagens de milho produzidas com diferentes densidades de compactaçÃo. <i>Revista Brasileira De Zootecnia</i> , 2007, 36, 1532-1538. | 0.3 | 16 |
| 1043 | Body Size, Body Composition, and Metabolic Profile Explain Higher Energy Expenditure in Overweight Children. <i>Journal of Nutrition</i> , 2007, 137, 2660-2667. | 1.3 | 34 |
| 1044 | Polyphenols based on isoflavones as inhibitors of <i>Helicobacter pylori</i> urease. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3703-3710. | 1.4 | 123 |
| 1045 | Double mode of inhibition-inducing interactions of 1,4-naphthoquinone with urease: Arylation versus oxidation of enzyme thiols. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4144-4151. | 1.4 | 39 |
| 1046 | High-throughput colorimetric method for the parallel assay of glyoxylic acid and ammonium in a single extract. <i>Analytical Biochemistry</i> , 2007, 362, 151-153. | 1.1 | 74 |
| 1047 | Enzymatic assay of d-serine using d-serine dehydratase from <i>Saccharomyces cerevisiae</i> . <i>Analytical Biochemistry</i> , 2007, 371, 167-172. | 1.1 | 37 |
| 1048 | Quinone-induced inhibition of urease: Elucidation of its mechanisms by probing thiol groups of the enzyme. <i>Bioorganic Chemistry</i> , 2007, 35, 233-242. | 2.0 | 56 |
| 1049 | Jack bean urease: The effect of active-site binding inhibitors on the reactivity of enzyme thiol groups. <i>Bioorganic Chemistry</i> , 2007, 35, 355-365. | 2.0 | 94 |
| 1050 | Evaluation of activity and inhibition effects on Anammox process by batch tests based on the nitrogen gas production. <i>Enzyme and Microbial Technology</i> , 2007, 40, 859-865. | 1.6 | 480 |
| 1051 | Fermentation characteristics and microbial growth promoted by diets including two-phase olive cake in continuous fermenters. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2007, 92, 070619032309007-??? | 1.0 | 14 |
| 1052 | Technical note: A rapid inexpensive procedure for determination of nitrogen in plant materials. <i>International Journal of Food Science and Technology</i> , 1984, 19, 639-642. | 1.3 | 0 |
| 1053 | Methane production and substrate degradation by rumen microbial communities containing single protozoal species in vitro. <i>Letters in Applied Microbiology</i> , 2007, 45, 675-680. | 1.0 | 44 |
| 1054 | Feeding value of supplemented diet with black tea by-product silage: Effect of polyethylene glycol addition to the diet on digestibility of protein fractions in goats. <i>Grassland Science</i> , 2007, 53, 131-137. | 0.6 | 7 |
| 1055 | Effect of inoculation with a strain of <i>Pseudomonas pseudoalcaligenes</i> isolated from the endorhizosphere of <i>Salicornia europaea</i> on salt tolerance of the glasswort. <i>Soil Science and Plant Nutrition</i> , 2007, 53, 12-16. | 0.8 | 38 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1056 | Rumen enzyme profile and fermentation characteristics in sheep as affected by treatment with sodium lauryl sulfate as defaunating agent and presence of ciliate protozoa. <i>Small Ruminant Research</i> , 2007, 67, 126-137. | 0.6 | 16 |
| 1057 | Effects of dietary whole cottonseed and crude protein level on rumen protozoal population and fermentation parameters. <i>Small Ruminant Research</i> , 2007, 69, 36-45. | 0.6 | 14 |
| 1058 | Inclusion of sugar beet pulp in cereal-based diets for fattening lambs. <i>Small Ruminant Research</i> , 2007, 71, 250-254. | 0.6 | 27 |
| 1059 | Effect of different levels of concentrate allowances on rumen fluid pH, nutrient digestion, nitrogen retention and growth performance of weaner lambs. <i>Small Ruminant Research</i> , 2007, 72, 178-186. | 0.6 | 33 |
| 1060 | Rainwater analysis. , 2007, , 44-73. | | 2 |
| 1061 | Effects of amino nitrogen on fermentation parameters by mixed ruminal microbes when energy or nitrogen is limited. <i>Animal Science Journal</i> , 2007, 78, 121-128. | 0.6 | 11 |
| 1062 | Effects of lauric acid on physical, chemical and microbial characteristics in the rumen of steers on a high grain diet. <i>Animal Science Journal</i> , 2007, 78, 387-394. | 0.6 | 14 |
| 1063 | Carbon-limited fed-batch production of medium-chain-length polyhydroxyalkanoates from nonanoic acid by <i>Pseudomonas putida</i> KT2440. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 69-77. | 1.7 | 108 |
| 1064 | Growth and laccase production kinetics of <i>Trametes versicolor</i> in a stirred tank reactor. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 547-554. | 1.7 | 33 |
| 1065 | A novel thermostable nitrilase superfamily amidase from <i>Geobacillus pallidus</i> showing acyl transfer activity. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 801-811. | 1.7 | 61 |
| 1066 | Ammonium removal performance of anaerobic ammonium-oxidizing bacteria immobilized in polyethylene glycol gel carrier. <i>Applied Microbiology and Biotechnology</i> , 2007, 76, 1457-1465. | 1.7 | 85 |
| 1067 | Measuring air particulate matter in large urban areas for health effect assessment. <i>Water, Air, and Soil Pollution</i> , 2007, 179, 43-55. | 1.1 | 30 |
| 1068 | Chemistry of fogs at Agra, India: Influence of soil particulates and atmospheric gases. <i>Environmental Monitoring and Assessment</i> , 2007, 133, 435-445. | 1.3 | 20 |
| 1069 | Isolation and characterization of thermotolerant bacterium utilizing ammonium and nitrate ions under aerobic conditions. <i>Biotechnology Letters</i> , 2007, 29, 385-390. | 1.1 | 23 |
| 1070 | The effect of ammonium on assimilatory nitrate reduction in the haloarchaeon <i>Haloferax mediterranei</i> . <i>Extremophiles</i> , 2007, 11, 759-767. | 0.9 | 23 |
| 1071 | Accumulation and long-term decline of radiocaesium contamination in tropical fruit trees. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 580, 625-628. | 0.7 | 5 |
| 1072 | Aerosol characteristics during winter fog at Agra, North India. <i>Journal of Atmospheric Chemistry</i> , 2008, 61, 101-118. | 1.4 | 49 |
| 1073 | Effects of Ca(NO ₃) ₂ stress on oxidative damage, antioxidant enzymes activities and polyamine contents in roots of grafted and non-grafted tomato plants. <i>Plant Growth Regulation</i> , 2008, 56, 7-19. | 1.8 | 55 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1074 | High-cell-density cultivation for co-production of ergosterol and reduced glutathione by <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2008, 77, 1233-1240. | 1.7 | 25 |
| 1075 | Utilization of arylaliphatic nitriles by haloalkaliphilic <i>Halomonas nitrilicus</i> sp. nov. isolated from soda soils. <i>Applied Microbiology and Biotechnology</i> , 2008, 81, 371-378. | 1.7 | 23 |
| 1076 | Hydrogen as an energy source for the human pathogen <i>Bilophila wadsworthia</i> . <i>Antonie Van Leeuwenhoek</i> , 2008, 93, 381-390. | 0.7 | 52 |
| 1077 | In-gel detection of urease activity by nitroprusside-thiol reaction. <i>Phytochemical Analysis</i> , 2008, 19, 99-103. | 1.2 | 7 |
| 1078 | Novel nitrification process using heat-shocked nitrifying bacteria entrapped in gel carriers. <i>Process Biochemistry</i> , 2008, 43, 265-270. | 1.8 | 31 |
| 1079 | Removal of ammonia from gas streams with dielectric barrier discharge plasmas. <i>Journal of Hazardous Materials</i> , 2008, 152, 113-119. | 6.5 | 59 |
| 1080 | Short- and long-term effects of temperature on the Anammox process. <i>Journal of Hazardous Materials</i> , 2008, 154, 688-693. | 6.5 | 276 |
| 1081 | Biological phosphate removal by model based fed-batch cultivation of <i>Acinetobacter calcoaceticus</i> . <i>Biochemical Engineering Journal</i> , 2008, 40, 227-232. | 1.8 | 7 |
| 1082 | Use of a hybrid membrane bioreactor for the treatment of saline wastewater from a fish canning factory. <i>Desalination</i> , 2008, 221, 518-525. | 4.0 | 71 |
| 1083 | Spectrophotometric determination of cyclotrimethylenetrinitramine (RDX) in explosive mixtures and residues with the Berthelot reaction. <i>Analytica Chimica Acta</i> , 2008, 612, 53-64. | 2.6 | 25 |
| 1084 | Comparison of the bioactive components of the ecotypes and cultivars of plantain (<i>Plantago</i>). <i>Journal of Ethnopharmacology</i> , 2008, 110, 10-17. | 0.6 | 17 |
| 1085 | Fiber digestion in various segments of the hindgut of horses fed grass hay or silage. <i>Animal Science Journal</i> , 2008, 79, 339-346. | 0.6 | 26 |
| 1086 | Utilization of aliphatic nitriles under haloalkaline conditions by <i>Bacillus alkalinitrilicus</i> sp. nov. isolated from soda solonchak soil. <i>FEMS Microbiology Letters</i> , 2008, 288, 235-240. | 0.7 | 33 |
| 1087 | Identification of the bacterial community involved in methane-dependent denitrification in activated sludge using DNA stable-isotope probing. <i>FEMS Microbiology Ecology</i> , 2008, 64, 494-506. | 1.3 | 61 |
| 1088 | Genome-wide scan revealed genetic loci for energy metabolism in Hispanic children and adolescents. <i>International Journal of Obesity</i> , 2008, 32, 579-585. | 1.6 | 13 |
| 1089 | Transcription factor NtcB specifically controls the nitrate assimilation genes in the marine cyanobacterium <i>Synechococcus</i> sp. strain PCC 7002. <i>Phycological Research</i> , 2008, 56, 223-237. | 0.8 | 5 |
| 1090 | Microbial activity and soil respiration under nitrogen addition in Alaskan boreal forest. <i>Global Change Biology</i> , 2008, 14, 1156-1168. | 4.2 | 330 |
| 1091 | Warming and drying suppress microbial activity and carbon cycling in boreal forest soils. <i>Global Change Biology</i> , 2008, 14, 2898-2909. | 4.2 | 511 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1092 | Age of regrowth as a factor affecting the nutritive value of hay of kikuyu grass (<i>Pennisetum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 If 50 742 T | 1.2 | 7 |
| 1093 | Optimisation of isolation and purification of the jack bean enzyme urease by extraction and subsequent crystallization. <i>Food and Bioproducts Processing</i> , 2008, 86, 43-52. | 1.8 | 30 |
| 1094 | Heme oxygenase up-regulation under salt stress protects nitrogen metabolism in nodules of soybean plants. <i>Environmental and Experimental Botany</i> , 2008, 64, 83-89. | 2.0 | 64 |
| 1095 | Effects of culture conditions on ligninolytic enzymes and protease production by <i>Phanerochaete chrysosporium</i> in air. <i>Journal of Environmental Sciences</i> , 2008, 20, 94-100. | 3.2 | 22 |
| 1096 | Effect of harvesting period on the nutritive value of rice grass (<i>Echinochloa</i> sp.) hay given as sole diet to lambs. <i>Small Ruminant Research</i> , 2008, 75, 217-225. | 0.6 | 4 |
| 1097 | Urease from Cotton (<i>Gossypium hirsutum</i>) Seeds: Isolation, Physicochemical Characterization, and Antifungal Properties of the Protein. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 4399-4405. | 2.4 | 36 |
| 1099 | Effects of essential oils on proteolytic, deaminative and methanogenic activities of mixed ruminal bacteria. <i>Canadian Journal of Animal Science</i> , 2008, 88, 117-122. | 0.7 | 93 |
| 1100 | Effects of cinnamaldehyde, garlic and juniper berry essential oils on rumen fermentation, blood metabolites, growth performance, and carcass characteristics of growing lambs. <i>Livestock Science</i> , 2008, 117, 215-224. | 0.6 | 104 |
| 1101 | The structure of urease activation complexes examined by flexibility analysis, mutagenesis, and small-angle X-ray scattering. <i>Archives of Biochemistry and Biophysics</i> , 2008, 480, 51-57. | 1.4 | 33 |
| 1102 | Effects of phlorotannins from <i>Ascophyllum nodosum</i> (brown seaweed) on in vitro ruminal digestion of mixed forage or barley grain. <i>Animal Feed Science and Technology</i> , 2008, 145, 375-395. | 1.1 | 104 |
| 1103 | Effect of disodium fumarate on ruminal metabolism and rumen bacterial communities as revealed by denaturing gradient gel electrophoresis analysis of 16S ribosomal DNA. <i>Animal Feed Science and Technology</i> , 2008, 140, 293-306. | 1.1 | 64 |
| 1104 | Effects of carvacrol and cinnamaldehyde on intake, rumen fermentation, growth performance, and carcass characteristics of growing lambs. <i>Animal Feed Science and Technology</i> , 2008, 145, 396-408. | 1.1 | 89 |
| 1105 | Dose-response effects of essential oils on in vitro fermentation activity of the rumen microbial population. <i>Animal Feed Science and Technology</i> , 2008, 145, 335-350. | 1.1 | 134 |
| 1106 | Effect of level of fibre on performance and digestion traits in growing rabbits. <i>Animal Feed Science and Technology</i> , 2008, 144, 279-291. | 1.1 | 13 |
| 1107 | In vitro cytotoxic, antibacterial, antifungal and urease inhibitory activities of some <i>N</i> ⁴ -substituted isatin-3-thiosemicarbazones. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 848-854. | 2.5 | 71 |
| 1108 | Influence of Carbohydrate Source on Ruminal Fermentation Characteristics, Performance, and Microbial Protein Synthesis in Dairy Cows. <i>Journal of Dairy Science</i> , 2008, 91, 2726-2735. | 1.4 | 59 |
| 1109 | <i>Prevotella bryantii</i> 25A Used as a Probiotic in Early-Lactation Dairy Cows: Effect on Ruminal Fermentation Characteristics, Milk Production, and Milk Composition. <i>Journal of Dairy Science</i> , 2008, 91, 3536-3543. | 1.4 | 94 |
| 1110 | Effects of Milk Replacer Composition on Selected Blood Metabolites and Hormones in Preweaned Holstein Heifers. <i>Journal of Dairy Science</i> , 2008, 91, 2628-2640. | 1.4 | 41 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1111 | Digestion, Ruminant Fermentation, Ciliate Protozoal Populations, and Milk Production from Dairy Cows Fed Cinnamaldehyde, Quebracho Condensed Tannin, or <i>Yucca schidigera</i> Saponin Extracts. <i>Journal of Dairy Science</i> , 2008, 91, 4765-4777. | 1.4 | 172 |
| 1112 | Development of potentiometric urea biosensor based on urease immobilized in PVA-PAA composite matrix for estimation of blood urea nitrogen (BUN). <i>Journal of Proteomics</i> , 2008, 70, 1145-1150. | 2.4 | 41 |
| 1113 | A new nitrilase from <i>Bradyrhizobium japonicum</i> USDA 110. <i>Journal of Biotechnology</i> , 2008, 133, 327-333. | 1.9 | 71 |
| 1114 | Urease and Serine Protease inhibitory alkaloids from <i>Isatis tinctoria</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 918-921. | 2.5 | 11 |
| 1115 | Crystallization as a Purification Method for Jack Bean Urease: On the Suitability of Poly(Ethylene) Terephthalate. <i>Journal of Membrane Science</i> , 2008, 320, 711-716. | 1.4 | 22 |
| 1116 | Effects of feeding low protein diets to piglets on plasma urea nitrogen, faecal ammonia nitrogen, the incidence of diarrhoea and performance after weaning. <i>Archives of Animal Nutrition</i> , 2008, 62, 343-358. | 0.9 | 133 |
| 1117 | Proton and Trivalent Metal Cation Binding by Dissolved Organic Matter in the Opalinus Clay and the Callovo-Oxfordian Formation. <i>Environmental Science & Technology</i> , 2008, 42, 5985-5991. | 4.6 | 17 |
| 1118 | Impact of feeding fermentable proteins and carbohydrates on growth performance, gut health and gastrointestinal function of newly weaned pigs. <i>Canadian Journal of Animal Science</i> , 2008, 88, 271-281. | 0.7 | 48 |
| 1119 | A novel zinc-dependent D-serine dehydratase from <i>Saccharomyces cerevisiae</i> . <i>Biochemical Journal</i> , 2008, 409, 399-406. | 1.7 | 50 |
| 1120 | Pyranose 2-oxidase (P2O): Production from <i>Trametes versicolor</i> in Stirred Tank Reactor and its Partial Characterization. <i>Preparative Biochemistry and Biotechnology</i> , 2008, 39, 32-45. | 1.0 | 2 |
| 1121 | An Oak (<i>Quercus agrifolia</i>) Specialist (<i>Neotoma macrotis</i>) and a Sympatric Generalist (<i>Neotoma lepida</i>) Show Similar Intakes and Digestibilities of Oak. <i>Physiological and Biochemical Zoology</i> , 2008, 81, 426-433. | 0.6 | 21 |
| 1122 | Inactivation of jack bean urease by N-ethylmaleimide: pH dependence, reversibility and thiols influence. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 514-520. | 2.5 | 6 |
| 1123 | Responses of whole body protein synthesis and degradation to plantain herb in sheep exposed to heat. <i>Archives of Animal Nutrition</i> , 2008, 62, 219-229. | 0.9 | 16 |
| 1124 | Decaying exponential feeding of nonanoic acid for the production of medium-chain-length poly(3-hydroxyalkanoates) by <i>Pseudomonas putida</i> KT2440. <i>Canadian Journal of Chemistry</i> , 2008, 86, 564-569. | 0.6 | 22 |
| 1125 | Mono- (Ag, Hg) and di- (Cu, Hg) valent metal ions effects on the activity of jack bean urease. Probing the modes of metal binding to the enzyme. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 535-542. | 2.5 | 112 |
| 1126 | Morphological fractions, chemical composition and in vitro fermentation characteristics of maize stover of five genotypes. <i>Animal</i> , 2008, 2, 1772-1779. | 1.3 | 14 |
| 1127 | Changes in methane emission and rumen fermentation parameters induced by refaunation in sheep. <i>Australian Journal of Experimental Agriculture</i> , 2008, 48, 69. | 1.0 | 60 |
| 1128 | Effects of nitrate concentration on growth and nitrogen metabolism of tomato (<i>Lycopersicon</i>). <i>Journal of Agricultural Science</i> , 2008, 142, 109-114. | 0.9 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1129 | Nitrogen compounds and enzyme activities in sorghum induced to water deficit during three stages. <i>Plant, Soil and Environment</i> , 2009, 55, 238-244. | 1.0 | 8 |
| 1130 | Fluxo portal e visceral l quido de metab litos em ovinos alimentados com feno de capim-arroz cortado com diferentes idades de rebrota. <i>Revista Brasileira De Zootecnia</i> , 2009, 38, 1114-1120. | 0.3 | 4 |
| 1131 | Effects of concentrate replacement by feed blocks on ruminal fermentation and microbial growth in goats and single-flow continuous-culture fermenters1. <i>Journal of Animal Science</i> , 2009, 87, 1321-1333. | 0.2 | 10 |
| 1132 | Effect of branched-chain amino acids, valine, isoleucine and leucine on the biosynthesis of bitespiramycin 4"-O-acylsiramycins. <i>Brazilian Journal of Microbiology</i> , 2009, 40, 734-746. | 0.8 | 7 |
| 1133 | Efeitos de dietas com n veis crescentes de milho no metabolismo ruminal de energia e prote na em bubalinos. <i>Revista Brasileira De Zootecnia</i> , 2009, 38, 2001-2006. | 0.3 | 5 |
| 1134 | Effects of forage:concentrate ratio and forage type on apparent digestibility, ruminal fermentation, and microbial growth in goats1. <i>Journal of Animal Science</i> , 2009, 87, 622-631. | 0.2 | 70 |
| 1135 | Kinetics of jack bean urease inhibition by 2,3-dichloro-1,4-naphthoquinone. Elucidation of the mechanism: redox cycling and sulfhydryl arylation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009, 24, 1082-1087. | 2.5 | 6 |
| 1136 | Effect of Organic Loading Rate for On-Site Treatment of Wastewater Using SubMBR. <i>Environmental Engineering Science</i> , 2009, 26, 15-24. | 0.8 | 2 |
| 1137 | The effect of the source of nitrogen supplementation on nitrogen balance, rates of plasma leucine turnover, protein synthesis and degradation in sheep. <i>Archives of Animal Nutrition</i> , 2009, 63, 401-412. | 0.9 | 10 |
| 1138 | The effect of environmental conditions on extracellular protease activity in controlled fermentations of <i>Aspergillus niger</i> . <i>Microbiology (United Kingdom)</i> , 2009, 155, 3430-3439. | 0.7 | 37 |
| 1139 | Vinasse added to dried sugar beet pulp: Preference rate, voluntary intake, and digestive utilization in sheep1. <i>Journal of Animal Science</i> , 2009, 87, 2055-2063. | 0.2 | 12 |
| 1140 | Comparison between treatment of kitchen sink wastewater and a mixture of kitchen sink and washing machine wastewaters. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 111-117. | 1.2 | 25 |
| 1141 | Effects of carvacrol and cinnamaldehyde on microbial fermentation when added to a barley- or corn-based diet in a continuous-culture system. <i>Canadian Journal of Animal Science</i> , 2009, 89, 97-104. | 0.7 | 8 |
| 1142 | Dietary and Endogenous Amino Acids Are the Main Contributors to Microbial Protein in the Upper Gut of Normally Nourished Pigs. <i>Journal of Nutrition</i> , 2009, 139, 1088-1094. | 1.3 | 56 |
| 1143 | Ureases. II. Properties and their customizing by enzyme immobilizations: A review. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 59, 22-40. | 1.8 | 112 |
| 1144 | Effect of supplemental nitrogen source and feeding frequency on nutrient supply to lambs fed a kikuyu grass (<i>Pennisetum clandestinum</i>) hay-based diet. <i>Small Ruminant Research</i> , 2009, 81, 112-118. | 0.6 | 6 |
| 1145 | Effect of the supplementation of a high-concentrate diet with sunflower and fish oils on ruminal fermentation in sheep. <i>Small Ruminant Research</i> , 2009, 81, 119-125. | 0.6 | 28 |
| 1146 | Zur Nahrungsqualit t von Fichtennadeln f r forstliche Schadinsekten. <i>Zeitschrift F r Angewandte Entomologie</i> , 1980, 89, 3-12. | 0.0 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1147 | Caesium, potassium and ammonium distributions in different organs of tropical plants. <i>Environmental and Experimental Botany</i> , 2009, 65, 111-118. | 2.0 | 11 |
| 1148 | Optimization of C:N ratio and minimal initial carbon source for poly(3-hydroxybutyrate) production by <i>Bacillus megaterium</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1756-1761. | 1.6 | 36 |
| 1149 | Sulfide persistence in oil field waters amended with nitrate and acetate. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2009, 36, 1499-1511. | 1.4 | 22 |
| 1150 | Distribution and mobility of Cr in tannery waste amended semi-arid soils under simulated rainfall. <i>Journal of Hazardous Materials</i> , 2009, 171, 851-858. | 6.5 | 15 |
| 1151 | Amines and oximes derived from deoxybenzoin as <i>Helicobacter pylori</i> urease inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 2246-2251. | 2.6 | 55 |
| 1152 | Applying MAR Analysis to Identify Human and Non-Human Fecal Sources in Small Kentucky Watersheds. <i>Water, Air, and Soil Pollution</i> , 2009, 196, 115-125. | 1.1 | 6 |
| 1153 | The effects of urease immobilization on the transport characteristics and protein adsorption capacity of cellulose acetate based hemodialysis membranes. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 2167-2179. | 1.7 | 6 |
| 1154 | Nutrient dynamics and carbon partitioning in larch seedlings (<i>Larix kaempferi</i>) regenerated on serpentine soil in northern Japan. <i>Landscape and Ecological Engineering</i> , 2009, 5, 125-135. | 0.7 | 15 |
| 1155 | Impact of oxygen supply on rtPA expression in <i>Escherichia coli</i> BL21 (DE3): ammonia effects. <i>Applied Microbiology and Biotechnology</i> , 2009, 82, 249-259. | 1.7 | 15 |
| 1156 | Identification and characterization of a novel nitrilase from <i>Pseudomonas fluorescens</i> Pf-5. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 273-283. | 1.7 | 31 |
| 1157 | Detection of urease in the cell wall and membranes from leaf tissues of bromeliad species. <i>Physiologia Plantarum</i> , 2009, 136, 86-93. | 2.6 | 23 |
| 1158 | Investigative mining of sequence data for novel enzymes: A case study with nitrilases. <i>Journal of Biotechnology</i> , 2009, 143, 17-26. | 1.9 | 45 |
| 1159 | Modification of jack bean urease thiols by thiosulphinates contained in garlic extract: DTNB titration studies. <i>Food Chemistry</i> , 2009, 112, 42-45. | 4.2 | 10 |
| 1160 | Entrapment of live microbial cells in electropolymerized polyaniline and their use as urea biosensor. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2637-2642. | 5.3 | 67 |
| 1161 | Synthesis, molecular docking and biological evaluation of metronidazole derivatives as potent <i>Helicobacter pylori</i> urease inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7531-7536. | 1.4 | 86 |
| 1162 | A comparison of different legume seeds as protein supplement to optimise the use of low quality forages by ruminants. <i>Archives of Animal Nutrition</i> , 2009, 63, 39-55. | 0.9 | 15 |
| 1163 | Effect of sward dry matter digestibility on methane production, ruminal fermentation, and microbial populations of zero-grazed beef cattle. <i>Journal of Animal Science</i> , 2009, 87, 3342-3350. | 0.2 | 66 |
| 1164 | Cleavage of C-N Bonds in Aniline Derivatives on a Ruthenium Center and Its Relevance to Catalytic C-C Bond Formation. <i>Journal of the American Chemical Society</i> , 2009, 131, 7238-7239. | 6.6 | 112 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1165 | Tissue-specific cadmium accumulation and its effects on nitrogen metabolism in tobacco (<i>Nicotiana glauca</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1011-1020. | 2.9 | 7 |
| 1166 | Multi-metal contaminant dynamics in temporarily flooded soil under sulfate limitation. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5513-5527. | 1.6 | 149 |
| 1167 | A multisyringe sequential injection method for monitoring water in the energy cogeneration system of a municipal waste incinerator. <i>Talanta</i> , 2009, 79, 1011-1020. | 2.9 | 7 |
| 1168 | Effect of rare earth elements on in vitro rumen microbial fermentation and feed digestion. <i>Animal Feed Science and Technology</i> , 2009, 148, 227-240. | 1.1 | 21 |
| 1169 | Effect of chitosans on in vitro rumen digestion and fermentation of maize silage. <i>Animal Feed Science and Technology</i> , 2009, 148, 276-287. | 1.1 | 24 |
| 1170 | Neem oil modulates rumen fermentation properties in a continuous cultures system. <i>Animal Feed Science and Technology</i> , 2009, 149, 78-88. | 1.1 | 7 |
| 1171 | Ruminal fermentation of spiny (<i>Opuntia amyclae</i>) and spineless (<i>Opuntia ficus indica</i> f. <i>inermis</i>) cactus cladodes and diets including cactus. <i>Animal Feed Science and Technology</i> , 2009, 149, 333-340. | 1.1 | 27 |
| 1172 | Metabolism of flaxseed lignans in the rumen and its impact on ruminal metabolism and flora. <i>Animal Feed Science and Technology</i> , 2009, 150, 18-26. | 1.1 | 24 |
| 1173 | Effect of the administration of young oak (<i>Quercus pyrenaica</i>) leaves to cattle on ruminal fermentation. <i>Animal Feed Science and Technology</i> , 2009, 150, 75-85. | 1.1 | 15 |
| 1174 | Evaluation of a stratified continuous rumen incubation system. <i>Animal Feed Science and Technology</i> , 2009, 151, 32-43. | 1.1 | 31 |
| 1175 | Dose-response effects of chitosans on in vitro rumen digestion and fermentation of mixtures differing in forage-to-concentrate ratios. <i>Animal Feed Science and Technology</i> , 2009, 151, 215-227. | 1.1 | 32 |
| 1176 | Effect of chitosan on mixed ruminal microorganism fermentation using the rumen simulation technique (Rusitec). <i>Animal Feed Science and Technology</i> , 2009, 152, 92-102. | 1.1 | 25 |
| 1177 | Effects of two levels of monoterpene blend on rumen fermentation, terpene and nutrient flows in the duodenum and milk production in dairy goats. <i>Animal Feed Science and Technology</i> , 2009, 154, 24-35. | 1.1 | 35 |
| 1178 | Fractionation of pea flour with pilot scale sieving. II. In vitro fermentation of pea seed fractions of different particle sizes. <i>Animal Feed Science and Technology</i> , 2009, 154, 135-150. | 1.1 | 9 |
| 1179 | Synthesis and biological evaluation of some new N ⁴ -substituted isatin-3-thiosemicarbazones. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009, 24, 437-446. | 2.5 | 51 |
| 1180 | Feeding saponin-containing <i>Yucca schidigera</i> and <i>Quillaja saponaria</i> to decrease enteric methane production in dairy cows. <i>Journal of Dairy Science</i> , 2009, 92, 2809-2821. | 1.4 | 155 |
| 1181 | Association between Polymerization Degree of Apple Peel Polyphenols and Inhibition of <i>Helicobacter pylori</i> Urease. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 416-424. | 2.4 | 46 |
| 1182 | In silico studies of urease inhibitors to explore ligand-enzyme interactions. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009, 24, 151-156. | 2.5 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1183 | Increasing physically effective fiber content of dairy cow diets through forage proportion versus forage chop length: Chewing and ruminal pH. <i>Journal of Dairy Science</i> , 2009, 92, 1603-1615. | 1.4 | 64 |
| 1184 | The development of lactic acid bacteria and <i>Lactobacillus buchneri</i> and their effects on the fermentation of alfalfa silage. <i>Journal of Dairy Science</i> , 2009, 92, 5005-5010. | 1.4 | 88 |
| 1185 | The effect of <i>Lactobacillus buchneri</i> 40788 or <i>Lactobacillus plantarum</i> MTD-1 on the fermentation and aerobic stability of corn silages ensiled at two dry matter contents. <i>Journal of Dairy Science</i> , 2009, 92, 3907-3914. | 1.4 | 153 |
| 1186 | Effects of purified lignin on in vitro ruminal fermentation and growth performance, carcass traits and fecal shedding of <i>Escherichia coli</i> by feedlot lambs. <i>Animal Feed Science and Technology</i> , 2009, 151, 21-31. | 1.1 | 13 |
| 1187 | Decreasing dietary particle size of lupins increases apparent ileal amino acid digestibility and alters fermentation characteristics in the gastrointestinal tract of pigs. <i>British Journal of Nutrition</i> , 2009, 102, 350-360. | 1.2 | 30 |
| 1188 | Comparison of duodenal flow and digestibility in fauna-free sheep inoculated with <i>Holotrich</i> protozoa, <i>Entodinium</i> monofauna or total mixed protozoa population. <i>British Journal of Nutrition</i> , 2009, 101, 34-40. | 1.2 | 15 |
| 1189 | Diet learning through post-ingestive consequences in sheep: the case of starch and casein variously combined in the same foods. <i>Animal</i> , 2009, 3, 135-142. | 1.3 | 3 |
| 1190 | Feeding a diet with decreased protein content reduces indices of protein fermentation and the incidence of postweaning diarrhea in weaned pigs challenged with an enterotoxigenic strain of <i>Escherichia coli</i> . <i>Journal of Animal Science</i> , 2009, 87, 2833-2843. | 0.2 | 128 |
| 1191 | Feeding behaviour of sheep fed lucerne v. grass hays with controlled post-ingestive consequences. <i>Animal</i> , 2010, 4, 1368-1377. | 1.3 | 16 |
| 1192 | Precipitation of Ammonium from Concentrated Industrial Wastes as Struvite: A Search for the Optimal Reagents. <i>Water Environment Research</i> , 2010, 82, 586-591. | 1.3 | 11 |
| 1193 | Effects of replacing barley grain with triticale-based dried distillers' grains with solubles on nutrient digestibility, lamb growth performance and carcass traits. <i>Canadian Journal of Animal Science</i> , 2010, 90, 87-98. | 0.7 | 14 |
| 1194 | Effects of misty fan cooling and supplemental rbST on rumen function and milk production of crossbred Holstein cattle during early, mid and late lactation in a tropical environment. <i>Animal Science Journal</i> , 2010, 81, 230-239. | 0.6 | 6 |
| 1195 | On the Utilization of Microalgae for Brewery Effluent Treatment and Possible Applications of the Produced Biomass. <i>Journal of the Institute of Brewing</i> , 2010, 116, 285-292. | 0.8 | 69 |
| 1196 | ATP-citrate lyase activity and carotenoid production in batch cultures of <i>Phaffia rhodozyma</i> under nitrogen-limited and nonlimited conditions. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1953-1960. | 1.7 | 33 |
| 1197 | Ethyl tert-butyl ether (ETBE) and tert-amyl methyl ether (TAME) can affect distribution pattern of inorganic N in soil. <i>Biology and Fertility of Soils</i> , 2010, 46, 299-302. | 2.3 | 6 |
| 1198 | Soil fungal isolates produce different organic acid patterns involved in phosphate salts solubilization. <i>Biology and Fertility of Soils</i> , 2010, 46, 755-763. | 2.3 | 108 |
| 1199 | Monitoring the stability of an Anammox reactor under high salinity conditions. <i>Biochemical Engineering Journal</i> , 2010, 51, 167-171. | 1.8 | 93 |
| 1200 | Effect of enzyme location on activity and stability of trypsin and urease immobilized on porous membranes by using layer-by-layer self-assembly of polyelectrolyte. <i>Journal of Membrane Science</i> , 2010, 365, 59-67. | 4.1 | 44 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1201 | Design, synthesis, and urease inhibition studies of a series of 4-amino-5-aryl-3H-1,2,4-triazole-3-thiones. Monatshefte für Chemie, 2010, 141, 479-484. | 0.9 | 28 |
| 1202 | Effect of ammonium in medium on ansamitocin P-3 production by <i>Actinosynnema pretiosum</i> . Biotechnology and Bioprocess Engineering, 2010, 15, 119-125. | 1.4 | 14 |
| 1203 | Salt tolerance of nitrogen fixation in <i>Medicago ciliaris</i> is related to nodule sucrose metabolism performance rather than antioxidant system. Symbiosis, 2010, 51, 187-195. | 1.2 | 10 |
| 1204 | Purification, Properties, and Application of a Novel Acid Urease from <i>Enterobacter</i> sp.. Applied Biochemistry and Biotechnology, 2010, 160, 303-313. | 1.4 | 23 |
| 1205 | Effects of different supplements on tetraploid black locust (<i>Robinia pseudoacacia</i> L.) silage. Forestry Studies in China, 2010, 12, 176-183. | 0.4 | 3 |
| 1206 | Dynamic change of metabolites and nutrients in suspension cells of <i>Panax Quinquefolium</i> L. in bioreactor. Acta Physiologiae Plantarum, 2010, 32, 463-467. | 1.0 | 9 |
| 1207 | Chemistry of rainwater and aerosols over Bay of Bengal during CTCZ program. Journal of Atmospheric Chemistry, 2010, 65, 171-183. | 1.4 | 9 |
| 1208 | A CsGS is regulated at transcriptional level during developmental stages and nitrogen utilization in <i>Camellia sinensis</i> (L.) O. Kuntze. Molecular Biology Reports, 2010, 37, 703-710. | 1.0 | 25 |
| 1209 | Phenotypic plasticity of the coarse root system of <i>Prosopis flexuosa</i> , a phreatophyte tree, in the Monte Desert (Argentina). Plant and Soil, 2010, 330, 447-464. | 1.8 | 44 |
| 1210 | Soil carbon and nitrogen mineralization following deposition of insect frass and greenfall from forests under elevated CO ₂ and O ₃ . Plant and Soil, 2010, 336, 75-85. | 1.8 | 23 |
| 1211 | Effect of humic deposit (leonardite) on degradation of semi-volatile and heavy hydrocarbons and soil quality in crude-oil-contaminated soil. Environmental Monitoring and Assessment, 2010, 170, 45-58. | 1.3 | 23 |
| 1212 | Jack bean urease alters serotonin-induced effects on <i>Rhodnius prolixus</i> anterior midgut. Journal of Insect Physiology, 2010, 56, 1078-1086. | 0.9 | 33 |
| 1213 | Exposure to 1-methylcyclopropene (1-MCP) delays the effects of ethylene on fresh-cut broccoli raab (<i>Brassica rapa</i> L.). Postharvest Biology and Technology, 2010, 58, 29-35. | 2.9 | 36 |
| 1214 | Effect of replacement of concentrate mixture with isonitrogenous leaf meal mixture on growth, nutrient utilization and rumen fermentation in goats. Small Ruminant Research, 2010, 91, 132-140. | 0.6 | 10 |
| 1215 | Nitrogen alters carbon dynamics during early succession in boreal forest. Soil Biology and Biochemistry, 2010, 42, 1157-1164. | 4.2 | 96 |
| 1216 | Resistance of microbial and soil properties to warming treatment seven years after boreal fire. Soil Biology and Biochemistry, 2010, 42, 1872-1878. | 4.2 | 81 |
| 1217 | <i>Helicobacter pylori</i> urease activates blood platelets through a lipoxygenase-mediated pathway. Journal of Cellular and Molecular Medicine, 2010, 14, 2025-2034. | 1.6 | 39 |
| 1218 | Production of lipid from N-acetylglucosamine by <i>Cryptococcus curvatus</i> . European Journal of Lipid Science and Technology, 2010, 112, 727-733. | 1.0 | 42 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1219 | First report of an antifungal amidase from <i>Peltophorum pterocarpum</i> . Biomedical Chromatography, 2010, 24, 458-464. | 0.8 | 11 |
| 1220 | Fermentation characteristics of corn-, triticale-, and wheat-based dried distillers' grains with solubles in barley-based diets determined using continuous and batch culture systems. Journal of the Science of Food and Agriculture, 2010, 90, 2074-2082. | 1.7 | 17 |
| 1221 | Nitrile-metabolizing potential of <i>Amycolatopsis</i> sp. IITR215. Process Biochemistry, 2010, 45, 866-873. | 1.8 | 22 |
| 1222 | Degradation of acid red 97 dye in aqueous medium using wet oxidation and electro-Fenton techniques. Journal of Hazardous Materials, 2010, 177, 95-102. | 6.5 | 89 |
| 1223 | Identification of potent urease inhibitors via ligand- and structure-based virtual screening and in vitro assays. Journal of Molecular Graphics and Modelling, 2010, 28, 792-798. | 1.3 | 42 |
| 1224 | New tetrahedral, square-pyramidal, trigonal-bipyramidal and octahedral organotin(IV) 4-ethoxycarbonylpiperazine-1-carbodithioates: Synthesis, structural properties and biological applications. Journal of Organometallic Chemistry, 2010, 695, 1526-1532. | 0.8 | 17 |
| 1225 | Improving the production of a thermostable amidase through optimising IPTG induction in a highly dense culture of recombinant <i>Escherichia coli</i> . Biochemical Engineering Journal, 2010, 52, 19-24. | 1.8 | 26 |
| 1226 | 5-Hydroxy-1,4-naphthoquinone (juglone) and 2-hydroxy-1,4-naphthoquinone (lawsone) influence on jack bean urease activity: Elucidation of the difference in inhibition activity. Bioorganic Chemistry, 2010, 38, 132-137. | 2.0 | 51 |
| 1227 | Phosphate-limitation mediated lipid production by <i>Rhodospiridium toruloides</i> . Bioresource Technology, 2010, 101, 6124-6129. | 4.8 | 221 |
| 1228 | Flat-plate submerged membrane bioreactor for the treatment of higher-load graywater. Desalination, 2010, 250, 162-166. | 4.0 | 34 |
| 1229 | The synthesis, structure and activity evaluation of pyrogallol and catechol derivatives as <i>Helicobacter pylori</i> urease inhibitors. European Journal of Medicinal Chemistry, 2010, 45, 5064-5070. | 2.6 | 74 |
| 1230 | Synthesis, antioxidant activities and urease inhibition of some new 1,2,4-triazole and 1,3,4-thiadiazole derivatives. European Journal of Medicinal Chemistry, 2010, 45, 5200-5207. | 2.6 | 265 |
| 1231 | Heterologous expression of leader-less <i>pga</i> gene in <i>Pichia pastoris</i> : intracellular production of prokaryotic enzyme. BMC Biotechnology, 2010, 10, 7. | 1.7 | 11 |
| 1232 | Ruminal fermentation, microbial growth and amino acid flow in single-flow continuous culture fermenters fed a diet containing olive leaves. Journal of Animal Physiology and Animal Nutrition, 2010, 94, 227-236. | 1.0 | 5 |
| 1233 | Use of chitosans to modulate ruminal fermentation of a 50:50 forage-to-concentrate diet in sheep1. Journal of Animal Science, 2010, 88, 749-755. | 0.2 | 59 |
| 1234 | Effect of microclimate on particulate matter, airborne bacteria, and odorous compounds in swine nursery houses1. Journal of Animal Science, 2010, 88, 3707-3714. | 0.2 | 26 |
| 1235 | Dose response to cinnamaldehyde supplementation in growing beef heifers: Ruminal and intestinal digestion1. Journal of Animal Science, 2010, 88, 680-688. | 0.2 | 65 |
| 1236 | Characterization of the <i>Klebsiella aerogenes</i> Urease Accessory Protein UreD in Fusion with the Maltose Binding Protein. Journal of Bacteriology, 2010, 192, 2294-2304. | 1.0 | 29 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1237 | Synthesis, molecular docking, and inhibitory activity of a Ni Schiff-base complex against urease. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3706-3713. | 0.8 | 15 |
| 1238 | Inhibitory Activity against Urease of Quercetin Glycosides Isolated from <i>Allium cepa</i> and <i>Psidium guajava</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 878-880. | 0.6 | 48 |
| 1239 | Effects of corn-, wheat- or triticale dry distillers' grains with solubles on in vitro fermentation, growth performance and carcass traits of lambs. <i>Canadian Journal of Animal Science</i> , 2010, 90, 99-108. | 0.7 | 32 |
| 1240 | Response of lactating dairy cows to high protein distillers grains or 3 other protein supplements. <i>Journal of Dairy Science</i> , 2010, 93, 2095-2104. | 1.4 | 41 |
| 1241 | Effects of feeding fresh citrus pulp to Merino wethers on wool growth and animal performance. <i>Animal Production Science</i> , 2010, 50, 52. | 0.6 | 6 |
| 1242 | Communication between the Zinc and Nickel Sites in Dimeric HypA: Metal Recognition and pH Sensing. <i>Journal of the American Chemical Society</i> , 2010, 132, 10338-10351. | 6.6 | 57 |
| 1243 | Carbon Monoxide-Induced Dinitrogen Cleavage with Group 4 Metallocenes: Reaction Scope and Coupling to N-H Bond Formation and CO Deoxygenation. <i>Journal of the American Chemical Society</i> , 2010, 132, 10553-10564. | 6.6 | 83 |
| 1244 | Effects of benzoic acid and inulin on ammonia nitrogen excretion, plasma urea levels, and the pH in faeces and urine of weaner pigs. <i>Livestock Science</i> , 2010, 134, 243-245. | 0.6 | 16 |
| 1245 | Dose response to eugenol supplementation in growing beef cattle: Ruminal fermentation and intestinal digestion. <i>Animal Feed Science and Technology</i> , 2010, 158, 57-64. | 1.1 | 44 |
| 1246 | Effects of combining <i>Lactobacillus buchneri</i> 40788 with various lactic acid bacteria on the fermentation and aerobic stability of corn silage. <i>Animal Feed Science and Technology</i> , 2010, 159, 105-109. | 1.1 | 133 |
| 1247 | Effects of condensed tannins in fresh sainfoin (<i>Onobrychis viciifolia</i>) on in vivo and in situ digestion in sheep. <i>Animal Feed Science and Technology</i> , 2010, 160, 23-38. | 1.1 | 78 |
| 1248 | Source characterization for aerosol constituents and changing roles of calcium and ammonium aerosols in the neutralization of aerosol acidity at a semi-urban site in SW India. <i>Atmospheric Research</i> , 2010, 98, 78-88. | 1.8 | 60 |
| 1249 | Elemental characterization and source identification of PM _{2.5} using multivariate analysis at the suburban site of North-East India. <i>Atmospheric Research</i> , 2010, 98, 148-162. | 1.8 | 105 |
| 1250 | Effects of nonstructural carbohydrate concentration in alfalfa on fermentation and microbial protein synthesis in continuous culture. <i>Journal of Dairy Science</i> , 2010, 93, 693-700. | 1.4 | 44 |
| 1251 | The effect of wide swathage on wilting times and nutritive value of alfalfa haylage. <i>Journal of Dairy Science</i> , 2010, 93, 1770-1773. | 1.4 | 22 |
| 1252 | The effects of <i>Lactobacillus buchneri</i> with or without a homolactic bacterium on the fermentation and aerobic stability of corn silages made at different locations. <i>Journal of Dairy Science</i> , 2010, 93, 1616-1624. | 1.4 | 115 |
| 1253 | In vitro evaluation of cashew nut shell liquid as a methane-inhibiting and propionate-enhancing agent for ruminants. <i>Journal of Dairy Science</i> , 2010, 93, 5258-5267. | 1.4 | 71 |
| 1254 | Decrease of ruminal methane production in Rusitec fermenters through the addition of plant material from rhubarb (<i>Rheum</i> spp.) and alder buckthorn (<i>Frangula alnus</i>). <i>Journal of Dairy Science</i> , 2010, 93, 3755-3763. | 1.4 | 27 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1255 | Aminoacid changes in leaves and roots of tomato (<i>Solanum lycopersicum</i>) during salt stress. Acta Botanica Gallica, 2010, 157, 255-264. | 0.9 | 1 |
| 1256 | Identification of Novel Urease Inhibitors by High-Throughput Virtual and in Vitro Screening. ACS Medicinal Chemistry Letters, 2010, 1, 145-149. | 1.3 | 71 |
| 1257 | Mutagenesis of <i>Klebsiella aerogenes</i> UreG To Probe Nickel Binding and Interactions with Other Urease-Related Proteins. Biochemistry, 2010, 49, 5859-5869. | 1.2 | 45 |
| 1258 | Condensation of nitriles with amides promoted by coordinatively unsaturated bis-nickel(ii)-hydroxy complex: a new route to alkyl- and aryl-imidoylamidines. Chemical Communications, 2010, 46, 424-426. | 2.2 | 12 |
| 1259 | Synthesis of DiamidoPyrrolyl Molybdenum Complexes Relevant to Reduction of Dinitrogen to Ammonia. Inorganic Chemistry, 2010, 49, 7904-7916. | 1.9 | 49 |
| 1260 | Urease inhibitors from <i>Hypericum oblongifolium</i> WALL.. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 296-299. | 2.5 | 70 |
| 1261 | Mechanochemical synthesis and <i>in vitro</i> anti-<i>Helicobacter pylori</i> and uresase inhibitory activities of novel zinc(II)â€ƒfamotidine complex. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 383-390. | 2.5 | 30 |
| 1262 | Glyphosate-Resistant Italian Ryegrass (<i>Lolium perenne</i>) Populations also Exhibit Resistance to Glufosinate. Weed Science, 2011, 59, 305-309. | 0.8 | 54 |
| 1263 | Urease inhibitors from <i>Indigofera gerardiana</i> Wall.. Journal of Enzyme Inhibition and Medicinal Chemistry, 2011, 26, 480-484. | 2.5 | 18 |
| 1264 | New Family of Biuret Hydrolases Involved in <i>s</i>-Triazine Ring Metabolism. ACS Catalysis, 2011, 1, 1075-1082. | 5.5 | 24 |
| 1265 | Function of UreB in <i>Klebsiella aerogenes</i> Urease. Biochemistry, 2011, 50, 9296-9308. | 1.2 | 15 |
| 1266 | Unique Aliphatic Amidase from a Psychrotrophic and Haloalkaliphilic Nesterenkonia Isolate. Applied and Environmental Microbiology, 2011, 77, 3696-3702. | 1.4 | 31 |
| 1267 | Synthesis, molecular docking, and activity of Schiff-base copper(II) complex with <i>N-n</i>-butylsalicylaldiminate as <i>Helicobacter pylori</i> urease inhibitor. Journal of Coordination Chemistry, 2011, 64, 610-616. | 0.8 | 22 |
| 1268 | Influence of local sources on rainwater chemistry over Pune region, India. Atmospheric Research, 2011, 100, 121-131. | 1.8 | 50 |
| 1269 | The effect of homofermentative and heterofermentative lactic acid bacteria on conservation characteristics of baled triticaleâ€ƒHungarian vetch silage and lamb performance. Animal Feed Science and Technology, 2011, 164, 21-28. | 1.1 | 31 |
| 1270 | Effects of different levels of coconut oil supplementation on performance, digestibility, rumen fermentation and carcass traits of Malpura lambs. Animal Feed Science and Technology, 2011, 164, 29-37. | 1.1 | 59 |
| 1271 | Effect of increasing levels of Quillaja saponaria on digestion, growth and meat quality of Barbarine lamb. Animal Feed Science and Technology, 2011, 164, 71-78. | 1.1 | 31 |
| 1272 | Tannins as feed additives to modulate ruminal biohydrogenation: Effects on animal performance, milk fatty acid composition and ruminal fermentation in dairy ewes fed a diet containing sunflower oil. Animal Feed Science and Technology, 2011, 164, 199-206. | 1.1 | 70 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1273 | In vitro study of the effects of condensed tannins in sainfoin on the digestive process in the rumen at two vegetation cycles. <i>Animal Feed Science and Technology</i> , 2011, 170, 147-159. | 1.1 | 27 |
| 1274 | Characterization of JBURE-IIb isoform of <i>Canavalia ensiformis</i> (L.) DC urease. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1758-1768. | 1.1 | 26 |
| 1275 | Production of polyhydroxyalkanoates (PHAs) with canola oil as carbon source. <i>International Journal of Biological Macromolecules</i> , 2011, 48, 74-80. | 3.6 | 123 |
| 1276 | Nitrogen metabolism in leaves of a tank epiphytic bromeliad: Characterization of a spatial and functional division. <i>Journal of Plant Physiology</i> , 2011, 168, 1208-1216. | 1.6 | 28 |
| 1277 | Effect of Alum-Amended Litter and Stocking Density on Ammonia Release and Footpad and Hock Dermatitis of Broilers. <i>Agricultural Sciences in China</i> , 2011, 10, 777-785. | 0.6 | 18 |
| 1278 | Antioxidant and urease inhibitory <i>C-glycosylflavonoids</i> from <i>Celtis africana</i> . <i>Journal of Asian Natural Products Research</i> , 2011, 13, 799-804. | 0.7 | 39 |
| 1279 | The effect of the feed-to-buffer ratio on bacterial diversity and ruminal fermentation in single-flow continuous-culture fermenters. <i>Journal of Dairy Science</i> , 2011, 94, 1374-1384. | 1.4 | 9 |
| 1280 | Effects of the percentage of concentrate on rumen fermentation, nutrient digestibility, plasma metabolites, and milk composition in mid-lactation goats. <i>Journal of Dairy Science</i> , 2011, 94, 3960-3972. | 1.4 | 33 |
| 1281 | Effect of forage source and a supplementary methionine hydroxy analog on nitrogen balance in lactating dairy cows offered a low crude protein diet. <i>Journal of Dairy Science</i> , 2011, 94, 5080-5089. | 1.4 | 18 |
| 1282 | Chemical Constituents of <i>Cichorium intybus</i> and their Inhibitory Effects against Urease and \pm -Chymotrypsin Enzymes. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600. | 0.2 | 2 |
| 1283 | Compostos nitrogenados e carboidratos em sorgo submetido à salinidade e combinações de nitrato e amônio. <i>Revista Ciencia Agronomica</i> , 2011, 42, 390-397. | 0.1 | 6 |
| 1284 | Tolerance Level of Dissolved Oxygen to Feed into Anaerobic Ammonium Oxidation (anammox) Reactor. <i>Journal of Water and Environment Technology</i> , 2011, 9, 169-178. | 0.3 | 19 |
| 1285 | Metabolizable protein and energy supply in lambs fed annual ryegrass (<i>Lolium multiflorum</i> Lam.) supplemented with sources of protein and energy. <i>Journal of Agricultural Science</i> , 2011, 149, 519-527. | 0.6 | 12 |
| 1286 | Glutaminase-induced deamidation and hydrolysis of casein and metal-chelating or ACE-inhibitory activity of the hydrolysates <i>in vitro</i> . <i>International Journal of Food Science and Technology</i> , 2011, 46, 324-332. | 1.3 | 10 |
| 1287 | Acidic environments induce differentiation of <i>Proteus mirabilis</i> into swarmer morphotypes. <i>Microbiology and Immunology</i> , 2011, 55, 489-493. | 0.7 | 10 |
| 1288 | Water-soluble organic compounds (WSOCs) in PM2.5 and PM10 at a subtropical site of India. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 63, 990. | 0.8 | 27 |
| 1289 | Hydrogen peroxide-induced inactivation of urease: Mechanism, kinetics and inhibitory potency. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 68, 262-269. | 1.8 | 11 |
| 1290 | Dioxane enhanced immobilization of urease on alkyl modified nano-porous silica using reversible denaturation approach. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 70, 17-22. | 1.8 | 24 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1291 | Catalytic performances of chemically immobilized urease under static and dynamic conditions: A comparative study. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 71, 36-44. | 1.8 | 10 |
| 1292 | Molecular modeling-based antioxidant arylidene barbiturates as urease inhibitors. <i>Journal of Molecular Graphics and Modelling</i> , 2011, 30, 153-156. | 1.3 | 45 |
| 1293 | Effects of feeding garlic stem and leaf silage on rates of plasma leucine turnover, whole body protein synthesis and degradation in sheep. <i>Small Ruminant Research</i> , 2011, 99, 37-43. | 0.6 | 18 |
| 1294 | Effect of feeding tannin degrading bacteria (Isolate-6) on rumen fermentation, nutrient utilization and growth performance of goats fed on <i>Ficus infectoria</i> leaves. <i>Small Ruminant Research</i> , 2011, 99, 143-147. | 0.6 | 4 |
| 1295 | Preparation and structural characterization of hetero-dinuclear Schiff base copper(II)-zinc(II) complexes and their inhibition studies on <i>Helicobacter pylori</i> urease. <i>Polyhedron</i> , 2011, 30, 2186-2194. | 1.0 | 71 |
| 1296 | A dose-response of cinnamaldehyde supplementation on intake, ruminal fermentation, blood metabolites, growth performance, and carcass characteristics of growing lambs. <i>Livestock Science</i> , 2011, 141, 213-220. | 0.6 | 38 |
| 1297 | Influences of dietary phosphorus variation on nutrient digestion, fecal endogenous phosphorus output and plasma parameters of goats. <i>Livestock Science</i> , 2011, 142, 63-69. | 0.6 | 6 |
| 1298 | Synthesis, biological assay in vitro and molecular docking studies of new Schiff base derivatives as potential urease inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5473-5479. | 2.6 | 153 |
| 1299 | N applications that increase plant N during panicle development are highly effective in increasing spikelet number in rice. <i>Field Crops Research</i> , 2011, 122, 242-247. | 2.3 | 91 |
| 1300 | Ecological consequences of dead wood extraction in an arid ecosystem. <i>Basic and Applied Ecology</i> , 2011, 12, 722-732. | 1.2 | 18 |
| 1301 | Fed-batch fermentation of recombinant <i>Citrobacter freundii</i> with expression of a violacein-synthesizing gene cluster for efficient violacein production from glycerol. <i>Biochemical Engineering Journal</i> , 2011, 57, 55-62. | 1.8 | 34 |
| 1302 | Novel autotrophic nitrogen removal system using gel entrapment technology. <i>Bioresource Technology</i> , 2011, 102, 7720-7726. | 4.8 | 41 |
| 1303 | Effect of ensiled hop (<i>Humulus lupulus</i> L.) residues on plasma acetate turnover rate in sheep. <i>Animal Science Journal</i> , 2011, 82, 451-455. | 0.6 | 4 |
| 1304 | Effect of liquid whey feeding on fecal microbiota of mature and growing pigs. <i>Animal Science Journal</i> , 2011, 82, 607-615. | 0.6 | 18 |
| 1305 | Synthesis, Characterization and Bioactivity Research of a Derivative of Secnidazole: 1-(2-Chloropropyl)-2-methyl-5-nitro-1H-imidazole. <i>Journal of Chemical Crystallography</i> , 2011, 41, 1360-1364. | 0.5 | 5 |
| 1306 | Denitrification triggered by nitrogen addition in <i>Sphagnum magellanicum</i> peat. <i>Biogeochemistry</i> , 2011, 106, 435-441. | 1.7 | 19 |
| 1307 | Soil Carbon and Nitrogen Storage in Upper Montane Riparian Meadows. <i>Ecosystems</i> , 2011, 14, 1217-1231. | 1.6 | 37 |
| 1308 | Effect of Ferrous Ion on $\hat{\mu}$ -Poly-L-Lysine Biosynthesis by <i>Streptomyces diastatochromogenes</i> CGMCC3145. <i>Current Microbiology</i> , 2011, 62, 1062-1067. | 1.0 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1309 | Nutrient dynamics associated with leaf litter decomposition of three agroforestry tree species (<i>Azadirachta indica</i> , <i>Dalbergia sissoo</i> , and <i>Melia azedarach</i>) of Bangladesh. <i>Journal of Forestry Research</i> , 2011, 22, 577-582. | 1.7 | 34 |
| 1310 | Influence of aeration intensity on the performance of A/O-type sequencing batch MBR system treating azo dye wastewater. <i>Frontiers of Environmental Science and Engineering in China</i> , 2011, 5, 615-622. | 0.8 | 9 |
| 1311 | Synthesis, characterization and urease inhibitory activity of oxovanadium(V) complexes with similar Schiff bases. <i>Inorganic Chemistry Communication</i> , 2011, 14, 636-640. | 1.8 | 23 |
| 1312 | Microbial lipid production by <i>Rhodospiridium toruloides</i> under sulfate-limited conditions. <i>Bioresource Technology</i> , 2011, 102, 1803-1807. | 4.8 | 184 |
| 1313 | Effects of inorganic carbon limitation on anaerobic ammonium oxidation (anammox) activity. <i>Bioresource Technology</i> , 2011, 102, 4390-4394. | 4.8 | 71 |
| 1314 | Self-assembled pentagonal bipyramidal and skew trapezoidal organotin(IV) complexes of substituted benzoic acids: Their antibacterial, antifungal, cytotoxic, insecticidal and urease inhibition activities. <i>Inorganica Chimica Acta</i> , 2011, 370, 27-35. | 1.2 | 32 |
| 1315 | An <i>Arabidopsis</i> mutant disrupted in <i>ASN2</i> encoding asparagine synthetase 2 exhibits low salt stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 623-628. | 2.8 | 27 |
| 1316 | The Synthesis, Structure and Activity Evaluation of Secnidazole Derivatives as <i>Helicobacter pylori</i> Urease Inhibitors. <i>Current Bioactive Compounds</i> , 2011, 7, 268-280. | 0.2 | 9 |
| 1317 | Mua (HP0868) Is a Nickel-Binding Protein That Modulates Urease Activity in <i>Helicobacter pylori</i> . <i>MBio</i> , 2011, 2, e00039-11. | 1.8 | 14 |
| 1318 | Preparation of \hat{I}^3 -Aminobutyric Acid from Brown Rice in the Determination. <i>Advanced Materials Research</i> , 2011, 396-398, 1628-1631. | 0.3 | 0 |
| 1319 | A high dietary concentration of inulin is necessary to reduce the incidence of swine dysentery in pigs experimentally challenged with <i>Brachyspira hyodysenteriae</i> . <i>British Journal of Nutrition</i> , 2011, 106, 1506-1513. | 1.2 | 27 |
| 1320 | Preparation and structural characterization of oxovanadium(V) complexes with Schiff bases and their inhibition studies on <i>Helicobacter pylori</i> urease. <i>Journal of Coordination Chemistry</i> , 2011, 64, 3510-3520. | 0.8 | 25 |
| 1321 | Functional and Phylogenetic Analysis of ureD in Shiga Toxin-Producing <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2011, 193, 875-886. | 1.0 | 11 |
| 1322 | Assembly of Preactivation Complex for Urease Maturation in <i>Helicobacter pylori</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 43241-43249. | 1.6 | 42 |
| 1323 | Iron-containing urease in a pathogenic bacterium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13095-13099. | 3.3 | 64 |
| 1324 | Improved Eco-Friendly Recombinant <i>Anabaena</i> sp. Strain PCC7120 with Enhanced Nitrogen Biofertilizer Potential. <i>Applied and Environmental Microbiology</i> , 2011, 77, 395-399. | 1.4 | 41 |
| 1325 | La r versibilit  des effets du cadmium sur les diff rents param tres de la croissance chez la tomate cultiv e en pr sence de NO ₃ ⁻ ou NH ₄ ⁺ . <i>Acta Botanica Gallica</i> , 2011, 158, 499-512. | 0.9 | 0 |
| 1326 | Deamidation of soybean proteins with glutaminase to improve their rheological properties. , 2011, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1327 | Effect of low and high oil corn distillers' grain on rumen fermentation, growth performance and carcass characteristics of lambs. <i>Animal Production Science</i> , 2011, 51, 708. | 0.6 | 7 |
| 1328 | Urease activity and <i>l</i> -ascorbic acid. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 309-318. | 2.5 | 13 |
| 1329 | Sorbicins A and B, new urease and serine protease inhibitory triterpenes from <i>Sorbus cashmiriana</i> . <i>Journal of Asian Natural Products Research</i> , 2011, 13, 1081-1086. | 0.7 | 7 |
| 1330 | Antibacterial, Antifungal, Cytotoxic, Phytotoxic, Insecticidal, and Enzyme Inhibitory Activities of <i>Geranium wallichianum</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-8. | 0.5 | 16 |
| 1331 | Loss and Recovery of Soil Organic Carbon and Nitrogen in a Semiarid Agroecosystem. <i>Soil Science Society of America Journal</i> , 2012, 76, 505-514. | 1.2 | 52 |
| 1332 | Microwave-assisted solvent free efficient synthesis of 1,3,4-oxadiazole-2(3H)-thiones and their potent in vitro urease inhibition activity. <i>European Journal of Chemistry</i> , 2012, 3, 143-146. | 0.3 | 19 |
| 1333 | Effects of condensed tannins in wrapped silage bales of sainfoin (<i>Onobrychis viciifolia</i>) on in vivo and in situ digestion in sheep. <i>Animal</i> , 2012, 6, 245-253. | 1.3 | 25 |
| 1334 | Rumen protozoa and methanogenesis: not a simple cause-effect relationship. <i>British Journal of Nutrition</i> , 2012, 107, 388-397. | 1.2 | 132 |
| 1335 | Shifts in the Rumen Microbiota Due to the Type of Carbohydrate and Level of Protein Ingested by Dairy Cattle Are Associated with Changes in Rumen Fermentation. <i>Journal of Nutrition</i> , 2012, 142, 1684-1692. | 1.3 | 213 |
| 1336 | Synthesis, Urease Inhibition, Antioxidant, Antibacterial, and Molecular Docking Studies of 1,3,4-Oxadiazole Derivatives. <i>ISRN Pharmacology</i> , 2012, 2012, 1-9. | 1.6 | 41 |
| 1337 | PhB(tBulm) 3 ? : Synthesis, Structure, and Reactivity of an Iron(V) Nitride. <i>Springer Theses</i> , 2012, , 101-118. | 0.0 | 0 |
| 1338 | Cloning of a Novel Arylamidase Gene from <i>Paracoccus</i> sp. Strain FLN-7 That Hydrolyzes Amide Pesticides. <i>Applied and Environmental Microbiology</i> , 2012, 78, 4848-4855. | 1.4 | 46 |
| 1339 | Validating Thermal Inactivation of <i>Salmonella</i> spp. in Fresh and Aged Chicken Litter. <i>Applied and Environmental Microbiology</i> , 2012, 78, 1302-1307. | 1.4 | 37 |
| 1340 | Bacterial Urease and its Role in Long-Lasting Human Diseases. <i>Current Protein and Peptide Science</i> , 2012, 13, 789-806. | 0.7 | 205 |
| 1341 | Effects of inactivated and live cells of <i>Saccharomyces cerevisiae</i> on in vitro ruminal fermentation of diets with different forage:concentrate ratio. <i>Journal of Agricultural Science</i> , 2012, 150, 271-283. | 0.6 | 40 |
| 1342 | Effect of disodium fumarate on microbial abundance, ruminal fermentation and methane emission in goats under different forage : concentrate ratios. <i>Animal</i> , 2012, 6, 1788-1794. | 1.3 | 38 |
| 1343 | Re-alimentation strategy to manoeuvre body condition and carcass characteristics in cull ewes. <i>Animal</i> , 2012, 6, 61-69. | 1.3 | 10 |
| 1344 | INFLUENCE OF HIGH CO2 ATMOSPHERE COMPOSITION ON FRESH-CUT ARTICHOKE QUALITY ATTRIBUTES. <i>Acta Horticulturae</i> , 2012, , 633-640. | 0.1 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1345 | Synthesis and Catalytic Activity of Molybdenumâ€“Dinitrogen Complexes Bearing Unsymmetric PNP-Type Pincer Ligands. <i>Organometallics</i> , 2012, 31, 8437-8443. | 1.1 | 99 |
| 1346 | Fermentative quality of purple rice (<i>Oryza sativa</i> L.) silage and its effects on digestibility, ruminal fermentation and oxidative status markers in sheep: A preliminary study. <i>Grassland Science</i> , 2012, 58, 161-169. | 0.6 | 13 |
| 1347 | Effect of physical damage to ears of corn before harvest and treatment with various additives on the concentration of mycotoxins, silage fermentation, and aerobic stability of corn silage. <i>Journal of Dairy Science</i> , 2012, 95, 1428-1436. | 1.4 | 63 |
| 1348 | Effect of supplemental concentrate type on milk production and metabolic status in early-lactation dairy cows grazing perennial ryegrass-based pasture. <i>Journal of Dairy Science</i> , 2012, 95, 4541-4549. | 1.4 | 17 |
| 1349 | Supplementation of increasing amounts of linseed oil to dairy cows fed total mixed rations: Effects on digestion, ruminal fermentation characteristics, protozoal populations, and milk fatty acid composition. <i>Journal of Dairy Science</i> , 2012, 95, 4578-4590. | 1.4 | 82 |
| 1350 | Synthesis, biological evaluation, and molecular docking studies of 2,5-substituted-1,4-benzoquinone as novel urease inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4889-4894. | 1.4 | 27 |
| 1351 | Allometry, above-ground biomass and nutrient distribution in <i>Ceriops decandra</i> (Griffith) Ding Hou dominated forest types of the Sundarbans mangrove forest, Bangladesh. <i>Wetlands Ecology and Management</i> , 2012, 20, 539-548. | 0.7 | 13 |
| 1352 | Use of <i>Prevotella bryantii</i> 25A and a commercial probiotic during subacute acidosis challenge in midlactation dairy cows. <i>Journal of Dairy Science</i> , 2012, 95, 5985-5995. | 1.4 | 47 |
| 1353 | Contribution of Urease to Colonization by Shiga Toxin-Producing <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2012, 80, 2589-2600. | 1.0 | 18 |
| 1354 | Eugenol for dairy cows fed low or high concentrate diets: Effects on digestion, ruminal fermentation characteristics, rumen microbial populations and milk fatty acid profile. <i>Animal Feed Science and Technology</i> , 2012, 178, 139-150. | 1.1 | 42 |
| 1355 | Bacterial chitin utilisation at extremely haloalkaline conditions. <i>Extremophiles</i> , 2012, 16, 883-894. | 0.9 | 41 |
| 1356 | Development of a Urea Bioprobe Based on Platinized Boronâ€“Doped Diamond Electrodes. <i>Electroanalysis</i> , 2012, 24, 2102-2108. | 1.5 | 1 |
| 1357 | Synthesis and biological evaluation of some N4-substituted 5-nitroisatin-3-thiosemicarbazones. <i>Medicinal Chemistry Research</i> , 2012, 21, 2251-2262. | 1.1 | 8 |
| 1358 | Level and period of realimentation to assess improvement in body condition and carcass quality in cull ewes. <i>Tropical Animal Health and Production</i> , 2012, 45, 167-176. | 0.5 | 16 |
| 1359 | The toxic effects of diethyl phthalate on the activity of glutamine synthetase in greater duckweed (<i>Spirodela polyrhiza</i> L.). <i>Aquatic Toxicology</i> , 2012, 124-125, 171-178. | 1.9 | 29 |
| 1360 | Ecological effects of experimental drought and prescribed fire in a southern California coastal grassland. <i>Journal of Arid Environments</i> , 2012, 81, 59-66. | 1.2 | 56 |
| 1361 | Temperature dependence for anammox bacteria enriched from freshwater sediments. <i>Journal of Bioscience and Bioengineering</i> , 2012, 114, 429-434. | 1.1 | 30 |
| 1362 | High-rate denitrification using polyethylene glycol gel carriers entrapping heterotrophic denitrifying bacteria. <i>Water Research</i> , 2012, 46, 4941-4948. | 5.3 | 82 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1363 | Urease expression in a <i>Thermoanaerobacterium saccharolyticum</i> ethanologen allows high titer ethanol production. <i>Metabolic Engineering</i> , 2012, 14, 528-532. | 3.6 | 43 |
| 1364 | Nephroprotective effects of <i>Colpomenia sinuosa</i> (Derbes & Solier) against carbon tetrachloride induced kidney injury in Wistar rats. <i>Asian Pacific Journal of Tropical Disease</i> , 2012, 2, S435-S441. | 0.5 | 7 |
| 1365 | PRODUCTION OF LIGNINOLYTIC ENZYMES BY SOLID-STATE FERMENTATION USING <i>Pleurotus eryngii</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2012, 42, 582-597. | 1.0 | 32 |
| 1366 | Synthesis, Crystal Structures, and Biological Activity of Cu(II), Mn(III), and Fe(III) Complexes Derived from N,N'-Bis(4-methoxysalicylidene)ethylenediamine. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2012, 42, 1177-1182. | 0.6 | 4 |
| 1367 | Limited Deamidation of Soybean Protein Isolates by Glutaminase and its Impacts on the Selected Properties. <i>International Journal of Food Properties</i> , 2012, 15, 638-655. | 1.3 | 14 |
| 1368 | <i>Klebsiella aerogenes</i> UreF: Identification of the UreG Binding Site and Role in Enhancing the Fidelity of Urease Activation. <i>Biochemistry</i> , 2012, 51, 2298-2308. | 1.2 | 29 |
| 1369 | Intake, digestibility and nutrients supply to wethers fed ryegrass and intraruminally infused with levels of <i>Acacia mearnsii</i> tannin extract. <i>Small Ruminant Research</i> , 2012, 106, 125-130. | 0.6 | 30 |
| 1370 | Sheep fed forage chicory (<i>Cichorium intybus</i>) or perennial ryegrass (<i>Lolium perenne</i>) have similar methane emissions. <i>Animal Feed Science and Technology</i> , 2012, 172, 217-225. | 1.1 | 29 |
| 1371 | Effects of rhubarb (<i>Rheum</i> spp.) and frangula (<i>Frangula alnus</i>) on intake, digestibility and ruminal fermentation of different diets and feedstuffs by sheep. <i>Animal Feed Science and Technology</i> , 2012, 176, 131-139. | 1.1 | 7 |
| 1372 | Biological soil crust recovery after long-term grazing exclusion in the Monte Desert (Argentina). Changes in coverage, spatial distribution, and soil nitrogen. <i>Acta Oecologica</i> , 2012, 38, 33-40. | 0.5 | 49 |
| 1373 | Apoprotein isolation and activation, and vibrational structure of the <i>Helicobacter mustelae</i> iron urease. <i>Journal of Inorganic Biochemistry</i> , 2012, 111, 195-202. | 1.5 | 9 |
| 1374 | Biosynthesis and Properties of Medium-Chain-Length Polyhydroxyalkanoates with Enriched Content of the Dominant Monomer. <i>Biomacromolecules</i> , 2012, 13, 2926-2932. | 2.6 | 35 |
| 1375 | Phytochemical analysis and Enzyme Inhibition Assay of <i>Aerva javanica</i> for Ulcer. <i>Chemistry Central Journal</i> , 2012, 6, 76. | 2.6 | 32 |
| 1376 | Growth-Inhibiting, Bactericidal, and Urease Inhibitory Effects of <i>Paeonia lactiflora</i> Root Constituents and Related Compounds on Antibiotic-Susceptible and -Resistant Strains of <i>Helicobacter pylori</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 9062-9073. | 2.4 | 64 |
| 1377 | Characterization of entomopathogenic nematodes and symbiotic bacteria active against <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) and contribution of bacterial urease to the insecticidal effect. <i>Biological Control</i> , 2012, 63, 253-263. | 1.4 | 45 |
| 1378 | The effects of hybrid, maturity, and length of storage on the composition and nutritive value of corn silage. <i>Journal of Dairy Science</i> , 2012, 95, 5115-5126. | 1.4 | 106 |
| 1379 | Soybean meal substitution with a yeast-derived microbial protein source in dairy cow diets. <i>Journal of Dairy Science</i> , 2012, 95, 5888-5900. | 1.4 | 17 |
| 1380 | Nutrient utilization, ruminal fermentation, microbial abundances, and milk yield and composition in dairy goats fed diets including tomato and cucumber waste fruits. <i>Journal of Dairy Science</i> , 2012, 95, 6015-6026. | 1.4 | 52 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1381 | Effect of exogenous protease enzymes on the fermentation and nutritive value of corn silage. <i>Journal of Dairy Science</i> , 2012, 95, 6687-6694. | 1.4 | 23 |
| 1382 | Effects of water soluble carbohydrate content on ensiling characteristics, chemical composition and in vitro gas production of forage millet and forage sorghum silages. <i>Animal Feed Science and Technology</i> , 2012, 177, 23-29. | 1.1 | 60 |
| 1383 | Effect of feeding pistachio by-products silage supplemented with polyethylene glycol and urea on Holstein dairy cows performance in early lactation. <i>Livestock Science</i> , 2012, 148, 208-213. | 0.6 | 21 |
| 1384 | Green Synthesis of Silver Nanoparticles through Reduction with <i>Solanum xanthocarpum</i> L. Berry Extract: Characterization, Antimicrobial and Urease Inhibitory Activities against <i>Helicobacter pylori</i> . <i>International Journal of Molecular Sciences</i> , 2012, 13, 9923-9941. | 1.8 | 286 |
| 1385 | An alternative, banana peel-based medium used to investigate the catalytic properties of peroxidase from a fungus, <i>Inonotus</i> sp SP2, recently isolated in southern Chile. <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 972-980. | 1.4 | 7 |
| 1386 | Molecular Docking, Kinetics Study, and Structure-Activity Relationship Analysis of Quercetin and Its Analogous as <i>Helicobacter pylori</i> Urease Inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10572-10577. | 2.4 | 67 |
| 1387 | Synthesis, structures, and urease inhibition of nickel(II), zinc(II), and cobalt(II) complexes with similar hydroxy-rich Schiff bases. <i>Journal of Coordination Chemistry</i> , 2012, 65, 339-352. | 0.8 | 24 |
| 1388 | Ophiamides A-B, new potent urease inhibitory sphingolipids from <i>Heliotropium ophioglossum</i> . <i>Archives of Pharmacal Research</i> , 2012, 35, 1133-1137. | 2.7 | 13 |
| 1389 | Effect of amount and source of vegetable oils in a high fibrous cattle diet on in vitro rumen fermentation, nutrient degradability and rumen cis-9, trans-11 CLA concentration. <i>Journal of Applied Animal Research</i> , 2012, 40, 148-153. | 0.4 | 11 |
| 1390 | Synthesis, inhibitory activity and molecular docking studies of two Cu(II) complexes against <i>Helicobacter pylori</i> urease. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2012, 27, 528-532. | 2.5 | 11 |
| 1391 | Temperature- and pressure-dependent stopped-flow kinetic studies of jack bean urease. Implications for the catalytic mechanism. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 1123-1134. | 1.1 | 56 |
| 1392 | Response of <i>Arabidopsis thaliana</i> , Seedlings to Cadmium in Relation to Ammonium Availability. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 1175-1180. | 1.3 | 5 |
| 1393 | Effects of high environmental temperature and high humidity on the physiological and nutritional status of prepubertal Holstein heifers. <i>Nihon Chikusan Gakkaiho</i> , 2012, 83, 133-144. | 0.0 | 1 |
| 1394 | Phytochemical screening chemical composition and toxicity of <i>Euphorbia regis-jubae</i> (Webb Berth). <i>Journal of Toxicology and Environmental Health Sciences</i> , 2012, 4, 130-139. | 0.6 | 5 |
| 1395 | Role of nitric oxide in saline stress: Implications on nitrogen metabolism. <i>African Journal of Plant Science</i> , 2012, 6, 376-382. | 0.4 | 6 |
| 1396 | Avaliaço nutricional da polpa de ma como suplementao energtica para bovinos. <i>Ciencia Rural</i> , 2012, 42, 1627-1633. | 0.3 | 1 |
| 1397 | Effect of Sodium Nitrate and Nitrate Reducing Bacteria on In vitro Methane Production and Fermentation with Buffalo Rumen Liquor. <i>Asian-Australasian Journal of Animal Sciences</i> , 2012, 25, 812-817. | 2.4 | 26 |
| 1398 | Methane Production of Different Forages in In vitro Ruminal Fermentation. <i>Asian-Australasian Journal of Animal Sciences</i> , 2012, 25, 86-91. | 2.4 | 90 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1399 | Characterization of urease enzyme from marine bacterium <i>Klebsiella</i> species. <i>African Journal of Microbiology Research</i> , 2012, 6, . | 0.4 | 5 |
| 1400 | Fermentation, degradation and microbial nitrogen partitioning for three forage colour phenotypes within anthocyanidin-accumulating <i>Lc</i> -alfalfa progeny. <i>Journal of the Science of Food and Agriculture</i> , 2012, 92, 2265-2273. | 1.7 | 11 |
| 1401 | Urease Activity of Ureolytic Bacteria Isolated from Six Soils in which Calcite was Precipitated by Indigenous Bacteria. <i>Geomicrobiology Journal</i> , 2012, 29, 389-395. | 1.0 | 126 |
| 1402 | Synthesis and Protonation of Molybdenum- and Tungsten-Dinitrogen Complexes Bearing PNP-Type Pincer Ligands. <i>Organometallics</i> , 2012, 31, 2035-2041. | 1.1 | 77 |
| 1403 | Large-scale virtual screening for the identification of new <i>Helicobacter pylori</i> urease inhibitor scaffolds. <i>Journal of Molecular Modeling</i> , 2012, 18, 2917-2927. | 0.8 | 63 |
| 1404 | Increase in growth, productivity and nutritional status of rice (<i>Oryza sativa</i> L. cv. Basmati) and enrichment in soil fertility applied with an organic matrix entrapped urea. <i>Journal of Crop Science and Biotechnology</i> , 2012, 15, 137-144. | 0.7 | 26 |
| 1405 | Chemical characteristics of aerosols and trace gas distribution over North and Central India. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 4553-4564. | 1.3 | 4 |
| 1406 | Ubiquitous urease affects soybean susceptibility to fungi. <i>Plant Molecular Biology</i> , 2012, 79, 75-87. | 2.0 | 24 |
| 1407 | Cloning and characterization of a novel amidase from <i>Paracoccus</i> sp. M-1, showing aryl acylamidase and acyl transferase activities. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 1007-1018. | 1.7 | 48 |
| 1408 | Optimization production of acid urease by <i>Enterobacter</i> sp. in an approach to reduce urea in Chinese rice wine. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 651-657. | 1.7 | 20 |
| 1409 | Spatial and temporal changes in chlorophyll fluorescence images of <i>Nicotiana benthamiana</i> leaves following inoculation with <i>Pseudomonas syringae</i> pv. <i>tabaci</i> . <i>Plant Pathology</i> , 2012, 61, 1052-1062. | 1.2 | 35 |
| 1410 | Effects of gibberellic acid application after anthesis on the feeding value of double-purpose rice (<i>Oryza sativa</i> L.) straw at harvest. <i>Field Crops Research</i> , 2012, 131, 75-80. | 2.3 | 15 |
| 1411 | Chemical constituents of <i>Stereospermum acuminatissimum</i> and their urease and β -chymotrypsin inhibitions. <i>Fä-toterapÄç</i> , 2012, 83, 204-208. | 1.1 | 40 |
| 1412 | Synthesis, structures, and urease inhibitory activities of oxovanadium(V) complexes with Schiff bases. <i>Inorganica Chimica Acta</i> , 2012, 384, 54-61. | 1.2 | 89 |
| 1413 | Competitive adsorptions of nitrile hydratase and amidase on polyacrylonitrile and its effect on surface modification. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 89, 277-282. | 2.5 | 5 |
| 1414 | Restricted root-to-shoot translocation and decreased sink size are responsible for limited nitrogen uptake in three grass species under water deficit. <i>Environmental and Experimental Botany</i> , 2012, 75, 258-267. | 2.0 | 39 |
| 1415 | Closing the carbon balance for fermentation by <i>Clostridium thermocellum</i> (ATCC 27405). <i>Bioresource Technology</i> , 2012, 103, 293-299. | 4.8 | 90 |
| 1416 | Heat inactivation of <i>Salmonella</i> spp. in fresh poultry compost by simulating early phase of composting process. <i>Journal of Applied Microbiology</i> , 2012, 112, 927-935. | 1.4 | 23 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1417 | Bean husks as a supplemental fiber for ruminants: Potential use for activation of fibrolytic rumen bacteria to improve main forage digestion. <i>Animal Science Journal</i> , 2012, 83, 43-49. | 0.6 | 17 |
| 1418 | Effect of feeding non-fibrous carbohydrate before grazing on intake and nitrogen utilization in dairy cows throughout the grazing season. <i>Animal Science Journal</i> , 2012, 83, 121-127. | 0.6 | 1 |
| 1419 | Digestibility, ruminal fermentation, nitrogen balance and methane production in Holstein steers fed diets containing soy sauce cake at 10 or 20%. <i>Animal Science Journal</i> , 2012, 83, 220-226. | 0.6 | 5 |
| 1420 | Effect of replacing corn with brown rice grain in a total mixed ration silage on milk production, ruminal fermentation and nitrogen balance in lactating dairy cows. <i>Animal Science Journal</i> , 2012, 83, 585-593. | 0.6 | 26 |
| 1421 | Use of bean husk as an easily digestible fiber source for activating the fibrolytic rumen bacterium <i>Fibrobacter succinogenes</i> and rice straw digestion. <i>Animal Science Journal</i> , 2012, 83, 696-703. | 0.6 | 7 |
| 1422 | Ruminal fermentation and microbial ecology of buffaloes and cattle fed the same diet. <i>Animal Science Journal</i> , 2012, 83, 767-776. | 0.6 | 12 |
| 1423 | Effect of oral administration of <i>Agave americana</i> or <i>Quillaja saponaria</i> extracts on digestion and growth of Barbarine female lamb. <i>Livestock Science</i> , 2012, 147, 59-65. | 0.6 | 28 |
| 1424 | Intake and digestion by wethers fed a tropical grass-based diet supplemented with increasing levels of canola meal. <i>Livestock Science</i> , 2012, 147, 89-95. | 0.6 | 10 |
| 1425 | The effect of plum juice on the prevention of struvite calculus formation in vitro. <i>BJU International</i> , 2012, 110, E362-E367. | 1.3 | 11 |
| 1426 | Synthesis, characterization, and urease inhibition of 5-substituted-8-methyl-2H-pyrido[1,2-a]pyrimidine-2,4(3H)-diones. <i>Medicinal Chemistry Research</i> , 2012, 21, 60-74. | 1.1 | 19 |
| 1427 | Drivers of spatial variability in urban plant and soil isotopic composition in the Los Angeles basin. <i>Plant and Soil</i> , 2012, 350, 323-338. | 1.8 | 16 |
| 1428 | Assessment of the effect of condensed (acacia and quebracho) and hydrolysable (chestnut and) Tj ETQq1 1 0.784314 rgBT /Overlock Science of Food and Agriculture, 2013, 93, 332-339. | 1.7 | 113 |
| 1429 | Effect of the administration of young leaves of <i>Quercus pyrenaica</i> on rumen fermentation in relation to oak tannin toxicosis in cattle. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2013, 97, 48-57. | 1.0 | 7 |
| 1430 | Denitrification from nitrogen-fixing biologically crusted soils in a cool desert environment, southeast Utah, USA. <i>Ecological Processes</i> , 2013, 2, . | 1.6 | 49 |
| 1431 | Structure based virtual screening-driven identification of monastrol as a potent urease inhibitor. <i>Journal of Molecular Graphics and Modelling</i> , 2013, 43, 47-57. | 1.3 | 29 |
| 1432 | Selective Nitrite Reduction at Heterobimetallic CoMg Complexes. <i>Journal of the American Chemical Society</i> , 2013, 135, 12023-12031. | 6.6 | 61 |
| 1433 | Substituent Effects on Stoichiometric and Catalytic Cleavage of Carbon-Nitrogen Bonds in Aniline Derivatives by Ruthenium-Phosphine Complexes. <i>Organometallics</i> , 2013, 32, 682-690. | 1.1 | 39 |
| 1434 | Microwave assisted synthesis of some hybrid molecules derived from norfloxacin and investigation of their biological activities. <i>European Journal of Medicinal Chemistry</i> , 2013, 67, 230-242. | 2.6 | 63 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 1435 | Change in body condition and carcass characteristics of cull ewes fed diets supplemented with rumen bypass fat. <i>Livestock Science</i> , 2013, 157, 132-140. | 0.6 | 15 |
| 1436 | Enrichment and characterization of a bacterial culture that can degrade 4-aminopyridine. <i>BMC Microbiology</i> , 2013, 13, 62. | 1.3 | 8 |
| 1437 | Discovery and characterization of a highly efficient enantioselective mandelonitrile hydrolase from <i>Burkholderia cenocepacia</i> J2315 by phylogeny-based enzymatic substrate specificity prediction. <i>BMC Biotechnology</i> , 2013, 13, 14. | 1.7 | 43 |
| 1438 | Effect of Application of a Bacteria Inoculant and Wheat Bran on Fermentation Quality of Peanut Vine Ensiled Alone or with Corn Stover. <i>Journal of Integrative Agriculture</i> , 2013, 12, 556-560. | 1.7 | 11 |
| 1439 | Synthesis and biological evaluation of some N 4-aryl-substituted 5-fluoroisatin-3-thiosemicarbazones. <i>Medicinal Chemistry Research</i> , 2013, 22, 5878-5889. | 1.1 | 11 |
| 1440 | Isolation and Characterization of Urethanase from <i>Penicillium variable</i> and Its Application to Reduce Ethyl Carbamate Contamination in Chinese Rice Wine. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 718-728. | 1.4 | 23 |
| 1441 | Synthesis, molecular docking studies, and in vitro screening of sulfanilamide-thiourea hybrids as antimicrobial and urease inhibitors. <i>Medicinal Chemistry Research</i> , 2013, 22, 3653-3662. | 1.1 | 46 |
| 1442 | Comparison of ryegrass and red clover on the fermentation pattern, microbial community and efficiency of diet utilisation in the rumen simulation technique (Rusitec). <i>Animal Production Science</i> , 2013, 53, 1052. | 0.6 | 24 |
| 1443 | Role of lysine and acidic amino acid residues on the insecticidal activity of Jackbean urease. <i>Toxicon</i> , 2013, 71, 76-83. | 0.8 | 14 |
| 1444 | Synthesis, structure, and activity evaluation of two silver(I) complexes as <i>Helicobacter pylori</i> urease inhibitors. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2013, 39, 301-304. | 0.3 | 2 |
| 1445 | Seasonal changes in <i>Porteresia coarctata</i> (Tateoka) beds along a subtropical coast. <i>Chinese Journal of Oceanology and Limnology</i> , 2013, 31, 1-9. | 0.7 | 14 |
| 1446 | Catalytic conversion of nitrogen to ammonia by an iron model complex. <i>Nature</i> , 2013, 501, 84-87. | 13.7 | 838 |
| 1447 | Syntheses and Biological Activities of New Hybrid Molecules Containing Different Heterocyclic Moieties. <i>Archiv Der Pharmazie</i> , 2013, 346, 743-756. | 2.1 | 23 |
| 1448 | Isolation and characterization of two novel alkalitolerant sulfidogens from a Thiopaq bioreactor, <i>Desulfonatronum alkalitolerans</i> sp. nov., and <i>Sulfurospirillum alkalitolerans</i> sp. nov. <i>Extremophiles</i> , 2013, 17, 535-543. | 0.9 | 45 |
| 1449 | Effects of dynamic changes of nutrients on adventitious roots growth and periplocin accumulation in culture of <i>Periploca sepium</i> Bunge. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 3085-3090. | 1.0 | 2 |
| 1450 | Influence of inorganic nitrogen sources on K ⁺ /Na ⁺ homeostasis and salt tolerance in sorghum plants. <i>Acta Physiologiae Plantarum</i> , 2013, 35, 841-852. | 1.0 | 21 |
| 1451 | Calcium-mediated responses and glutamine synthetase expression in greater duckweed (<i>Spirodela</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 1.9 | 7 |
| 1452 | Solution-phase microwave assisted parallel synthesis of N,Nâ€²-disubstituted thioureas derived from benzoic acid: Biological evaluation and molecular docking studies. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 487-496. | 2.6 | 58 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1453 | Synthesis, molecular docking and kinetic properties of β -hydroxy- β -phenylpropionyl-hydroxamic acids as <i>Helicobacter pylori</i> urease inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2013, 68, 212-221. | 2.6 | 75 |
| 1454 | Atmospheric nutrient deposition to the west coast of South Africa. <i>Atmospheric Environment</i> , 2013, 81, 625-632. | 1.9 | 16 |
| 1455 | Effect of forage source and a supplementary methionine hydroxyl analogue on rumen fermentation parameters in lactating dairy cows offered a low crude protein diet. <i>Animal Feed Science and Technology</i> , 2013, 183, 62-66. | 1.1 | 7 |
| 1456 | Effects of Neutral Detergent Soluble Fiber and Sucrose Supplementation on Ruminal Fermentation, Microbial Synthesis, and Populations of Ruminal Cellulolytic Bacteria Using the Rumen Simulation Technique (RUSITEC). <i>Journal of Integrative Agriculture</i> , 2013, 12, 1471-1480. | 1.7 | 4 |
| 1457 | Effect of live <i>Saccharomyces cerevisiae</i> (NCDC-49) supplementation on growth performance and rumen fermentation pattern in local goat. <i>Journal of Applied Animal Research</i> , 2013, 41, 285-288. | 0.4 | 12 |
| 1458 | Calcium-induced proline accumulation contributes to amelioration of NaCl injury and expression of glutamine synthetase in greater duckweed (<i>Spirodela polyrhiza</i> L.). <i>Aquatic Toxicology</i> , 2013, 144-145, 265-274. | 1.9 | 19 |
| 1459 | Preparation, Characterization, and Reactivity of Dinitrogen Molybdenum Complexes with Bis(diphenylphosphino)amine Derivative Ligands that Form a Unique 4-Membered P --- N --- P Chelate Ring. <i>Inorganic Chemistry</i> , 2013, 52, 182-195. | 1.9 | 51 |
| 1460 | Spectral, XRD, SEM and biological properties of new mononuclear Schiff base transition metal complexes. <i>Inorganic Chemistry Communication</i> , 2013, 35, 104-109. | 1.8 | 106 |
| 1461 | Combination of sulfamethoxazole and selenium in anticancer therapy: a novel approach. <i>Molecular and Cellular Biochemistry</i> , 2013, 384, 279-285. | 1.4 | 16 |
| 1462 | Enhanced production of β -ketoglutarate by fed-batch culture in the metabolically engineered strains of <i>Corynebacterium glutamicum</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 770-777. | 1.4 | 12 |
| 1463 | Ureas/Thioureas of Benzo[<i>d</i>]isothiazole Analog Conjugated Glutamic Acid: Synthesis and Biological Evaluation. <i>Archiv Der Pharmazie</i> , 2013, 346, 359-366. | 2.1 | 15 |
| 1464 | Complete autotrophic denitrification in a single reactor using nitritation and anammox gel carriers. <i>Bioresource Technology</i> , 2013, 147, 96-101. | 4.8 | 43 |
| 1465 | Fed-batch production of MCL-PHA with elevated 3-hydroxynonanoate content. <i>AMB Express</i> , 2013, 3, 50. | 1.4 | 26 |
| 1466 | Nitrogen dynamics in arctic tundra soils of varying age: differential responses to fertilization and warming. <i>Oecologia</i> , 2013, 173, 1575-1586. | 0.9 | 10 |
| 1467 | Immobilized <i>Rhodotorula mucilaginosa</i> : A Novel Urethanase-Producing Strain for Degrading Ethyl Carbamate. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 2220-2232. | 1.4 | 22 |
| 1468 | Consequences of elevated temperatures on legume biomass and nitrogen cycling in a field warming and biodiversity experiment in a North American prairie. <i>Functional Plant Biology</i> , 2013, 40, 1147. | 1.1 | 15 |
| 1469 | Design, synthesis and biological activities of some 7-aminocephalosporanic acid derivatives. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 622-631. | 2.6 | 12 |
| 1470 | Inactivation of jack bean urease by scutellarin: Elucidation of inhibitory efficacy, kinetics and mechanism. <i>F---totera p---Ä</i> , 2013, 91, 60-67. | 1.1 | 23 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1471 | Urease inhibitory isoflavonoids from different parts of <i>Calopogonium mucunoides</i> (Fabaceae). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 1156-1161. | 2.5 | 16 |
| 1472 | Expression pattern of genes encoding nitrate and ammonium assimilating enzymes in <i>Arabidopsis thaliana</i> exposed to short term NaCl stress. <i>Journal of Plant Physiology</i> , 2013, 170, 155-160. | 1.6 | 29 |
| 1473 | Double-purpose rice (<i>Oryza sativa</i> L.) variety selection and their morphological traits. <i>Field Crops Research</i> , 2013, 149, 276-282. | 2.3 | 4 |
| 1474 | Stability of autotrophic nitrogen removal system under four non-steady operations. <i>Bioresource Technology</i> , 2013, 137, 196-201. | 4.8 | 13 |
| 1475 | Methods of cell lysis and effect of detergents for the recovery of nitrile metabolizing enzyme from <i>Amycolatopsis</i> sp. IITR215. <i>Journal of Genetic Engineering and Biotechnology</i> , 2013, 11, 117-122. | 1.5 | 6 |
| 1476 | Effects of increasing amounts of corn dried distillers grains with solubles in dairy cow diets on methane production, ruminal fermentation, digestion, N balance, and milk production. <i>Journal of Dairy Science</i> , 2013, 96, 2413-2427. | 1.4 | 76 |
| 1477 | Effects of subacute ruminal acidosis challenges on fermentation and biogenic amines in the rumen of dairy cows. <i>Livestock Science</i> , 2013, 155, 262-272. | 0.6 | 49 |
| 1478 | Comparative effects of mature coconut water (<i>Cocos nucifera</i>) and glibenclamide on some biochemical parameters in alloxan induced diabetic rats. <i>Revista Brasileira De Farmacognosia</i> , 2013, 23, 481-487. | 0.6 | 19 |
| 1479 | Aluminum sulfate (alum) application interactions with coupled metal and nutrient cycling in a hypereutrophic lake ecosystem. <i>Environmental Pollution</i> , 2013, 176, 267-274. | 3.7 | 21 |
| 1480 | Metabolism of nitrogen and carbon: Optimization of biological nitrogen fixation and cowpea development. <i>Soil Biology and Biochemistry</i> , 2013, 67, 226-234. | 4.2 | 24 |
| 1481 | Fluorimetric urease inhibition assay on a multilayer microfluidic chip with immunoaffinity immobilized enzyme reactors. <i>Analytical Biochemistry</i> , 2013, 441, 51-57. | 1.1 | 8 |
| 1482 | Urease and β -chymotrypsin inhibitory activities of transition metal complexes of new Schiff base ligand: Kinetic and thermodynamic studies of the synthesized complexes using TG-MS/DTA pyrolysis. <i>Thermochimica Acta</i> , 2013, 562, 22-28. | 1.2 | 24 |
| 1483 | Analysis of metabolic fluxes for better understanding of mechanisms related to lipid accumulation in oleaginous yeast <i>Trichosporon cutaneum</i> . <i>Bioresource Technology</i> , 2013, 130, 144-151. | 4.8 | 62 |
| 1484 | Microbial composition affects the functioning of estuarine sediments. <i>ISME Journal</i> , 2013, 7, 868-879. | 4.4 | 130 |
| 1485 | Novel inhibitors of urease from <i>Corydalis govaniensis</i> Wall.. <i>Phytochemistry Letters</i> , 2013, 6, 228-231. | 0.6 | 14 |
| 1486 | Influence of oxygen transfer rate on the accumulation of poly(3-hydroxybutyrate) by <i>Bacillus megaterium</i> . <i>Process Biochemistry</i> , 2013, 48, 420-425. | 1.8 | 40 |
| 1487 | Mass-size distribution of PM10 and its characterization of ionic species in fine (PM2.5) and coarse (PM10 \sim 2.5) mode, New Delhi, India. <i>Natural Hazards</i> , 2013, 68, 775-789. | 1.6 | 19 |
| 1488 | Structurally Diversified Heterocycles and Related Privileged Scaffolds as Potential Urease Inhibitors: A Brief Overview. <i>Archiv Der Pharmazie</i> , 2013, 346, 423-446. | 2.1 | 75 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1489 | Effects of organic amendments on the mobility of Pb and Zn from mine tailings added to semi-arid soils. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2013, 48, 226-236. | 0.7 | 4 |
| 1490 | Pro-inflammatory properties and neutrophil activation by <i>Helicobacter pylori</i> urease. <i>Toxicon</i> , 2013, 69, 240-249. | 0.8 | 41 |
| 1491 | Synthesis, structure-activity relationship analysis and kinetics study of reductive derivatives of flavonoids as <i>Helicobacter pylori</i> urease inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 685-695. | 2.6 | 76 |
| 1492 | Replacing alfalfa silage with corn silage in dairy cow diets: Effects on enteric methane production, ruminal fermentation, digestion, N balance, and milk production. <i>Journal of Dairy Science</i> , 2013, 96, 4553-4567. | 1.4 | 111 |
| 1493 | Effect of pre- versus postmilking supplementation on traffic and performance of cows milked in a pasture-based automatic milking system. <i>Journal of Dairy Science</i> , 2013, 96, 4397-4405. | 1.4 | 14 |
| 1494 | Increased microbial activity and nitrogen mineralization coupled to changes in microbial community structure in the rhizosphere of Bt corn. <i>Applied Soil Ecology</i> , 2013, 68, 46-56. | 2.1 | 13 |
| 1495 | Reactivity of iron(II)-bound nitrosyl hydride (HNO, nitroxyl) in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , 2013, 118, 108-114. | 1.5 | 17 |
| 1496 | Off-odour development in modified atmosphere packaged baby spinach is an unresolved problem. <i>Postharvest Biology and Technology</i> , 2013, 75, 75-85. | 2.9 | 69 |
| 1497 | Changes in Soil Fungal Communities, Extracellular Enzyme Activities, and Litter Decomposition Across a Fire Chronosequence in Alaskan Boreal Forests. <i>Ecosystems</i> , 2013, 16, 34-46. | 1.6 | 145 |
| 1498 | Crystallization and preliminary X-ray diffraction studies of cyanuric acid hydrolase from <i>Azorhizobium caulinodans</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 880-883. | 0.7 | 3 |
| 1499 | Milk production, nutrient digestibility and nitrogen balance in lactating cows fed total mixed ration silages containing steam-flaked brown rice as substitute for steam-flaked corn, and wet food by-products. <i>Animal Science Journal</i> , 2013, 84, 483-488. | 0.6 | 20 |
| 1500 | The Structure of Allophanate Hydrolase from <i>Granulibacter bethesdensis</i> Provides Insights into Substrate Specificity in the Amidase Signature Family. <i>Biochemistry</i> , 2013, 52, 690-700. | 1.2 | 15 |
| 1501 | Aluminum Tolerance in Sunflower Plants Is Associated with Phosphorus Content in the Roots. <i>Communications in Soil Science and Plant Analysis</i> , 2013, 44, 3423-3430. | 0.6 | 5 |
| 1502 | Effect of yeast supplementation on the growth performance of Malpura lambs. <i>Tropical Animal Health and Production</i> , 2013, 45, 547-554. | 0.5 | 35 |
| 1503 | Role of <i>Helicobacter pylori</i> methionine sulfoxide reductase in urease maturation. <i>Biochemical Journal</i> , 2013, 450, 141-148. | 1.7 | 12 |
| 1504 | Urease inhibition and anticancer activity of novel polyfunctional 5,6-dihydropyridine derivatives and their structure-activity relationship. <i>European Journal of Chemistry</i> , 2013, 4, 49-52. | 0.3 | 11 |
| 1505 | Structure of UreG/UreF/UreH Complex Reveals How Urease Accessory Proteins Facilitate Maturation of <i>Helicobacter pylori</i> Urease. <i>PLoS Biology</i> , 2013, 11, e1001678. | 2.6 | 104 |
| 1506 | Thermal Inactivation of Desiccation-Adapted <i>Salmonella</i> spp. in Aged Chicken Litter. <i>Applied and Environmental Microbiology</i> , 2013, 79, 7013-7020. | 1.4 | 54 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1507 | Mixing sainfoin and lucerne to improve the feed value of legumes fed to sheep by the effect of condensed tannins. <i>Animal</i> , 2013, 7, 82-92. | 1.3 | 28 |
| 1508 | Identification of a New Class of Adenosine Deaminase from <i>Helicobacter pylori</i> with Homologs among Diverse Taxa. <i>Journal of Bacteriology</i> , 2013, 195, 4154-4160. | 1.0 | 2 |
| 1509 | <i>Helicobacter hepaticus</i> NikR controls urease and hydrogenase activities via the NikABDE and HH0418 putative nickel import proteins. <i>Microbiology (United Kingdom)</i> , 2013, 159, 136-146. | 0.7 | 22 |
| 1510 | Urease Operon and Urease Activity in Commensal and Disease-Causing Nontypeable <i>Haemophilus influenzae</i> . <i>Journal of Clinical Microbiology</i> , 2013, 51, 653-655. | 1.8 | 11 |
| 1511 | Determination of NH ₄ ⁺ in Environmental Water with Interfering Substances Using the Modified Nessler Method. <i>Journal of Chemistry</i> , 2013, 2013, 1-9. | 0.9 | 55 |
| 1512 | Effects of replacing dietary starch with neutral detergentâ€“soluble fibre on ruminal fermentation, microbial synthesis and populations of ruminal cellulolytic bacteria using the rumen simulation technique (<sc>RUSITEC</sc>). <i>Journal of Animal Physiology and Animal Nutrition</i> , 2013, 97, 1161-1169. | 1.0 | 30 |
| 1513 | Nutrient utilization, ruminal fermentation, microbial nitrogen flow, microbial abundances, and methane emissions in goats fed diets including tomato and cucumber waste fruits ¹ . <i>Journal of Animal Science</i> , 2013, 91, 914-923. | 0.2 | 22 |
| 1514 | Effects of replacing rolled barley grain with wheat dry distillers' grains with solubles in Merino sheep rations. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2013, 63, 101-110. | 0.2 | 2 |
| 1515 | Rumen fermentation and microbial yield of high- or low-protein diets containing ground soybean seeds or homemade rapeseed expellers evaluated with RUSITEC. <i>Canadian Journal of Animal Science</i> , 2013, 93, 363-371. | 0.7 | 2 |
| 1516 | Effects of Chinese herbal medicine on plasma glucose, protein and energy metabolism in sheep. <i>Journal of Animal Science and Biotechnology</i> , 2013, 4, 51. | 2.1 | 19 |
| 1517 | Review of substances/agents that have direct beneficial effect on the environment: mode of action and assessment of efficacy. EFSA Supporting Publications, 2013, 10, 440E. | 0.3 | 2 |
| 1518 | Impact of oxalic acid on rumen function and bacterial community in sheep. <i>Animal</i> , 2013, 7, 940-947. | 1.3 | 10 |
| 1519 | SILAGE COMPOSED OF OPUNTIA FICUS-INDICA F. INERMIS CLADODES, OLIVE CAKE AND WHEAT BRAN AS ALTERNATIVE FEED FOR BARBARINE LAMB. <i>Acta Horticulturae</i> , 2013, , 297-301. | 0.1 | 10 |
| 1520 | Anti- <i>Helicobacter pylori</i> and Urease Inhibition Activities of Some Traditional Medicinal Plants. <i>Molecules</i> , 2013, 18, 2135-2149. | 1.7 | 83 |
| 1521 | Soybean Urease: Over a Hundred Years of Knowledge. , 0, , . | | 8 |
| 1522 | Effects of nitrogen underfeeding and energy source on nitrogen ruminal metabolism, digestion, and nitrogen partitioning in dairy cows ¹ . <i>Journal of Animal Science</i> , 2013, 91, 895-906. | 0.2 | 46 |
| 1523 | Nitrogen Cycling Responses to Mountain Pine Beetle Disturbance in a High Elevation Whitebark Pine Ecosystem. <i>PLoS ONE</i> , 2013, 8, e65004. | 1.1 | 12 |
| 1524 | Metagenomic evidence for sulfur lithotrophy by Epsilonproteobacteria as the major energy source for primary productivity in a sub-aerial arctic glacial deposit, Borup Fiord Pass. <i>Frontiers in Microbiology</i> , 2013, 4, 63. | 1.5 | 42 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1525 | Kinetics and Mechanism Study of Competitive Inhibition of Jack-Bean Urease by Baicalin. Scientific World Journal, The, 2013, 2013, 1-9. | 0.8 | 20 |
| 1526 | EFFECT OF SAPONIN AS DEFAUNATING AGENT ON IN VITRO RUMINAL FERMENTATION OF FORAGE AND CONCENTRATE. Journal of the Indonesian Tropical Animal Agriculture, 2014, 34, . | 0.1 | 0 |
| 1527 | Acute and Subchronic Evaluation of Aqueous Extracts of <i>Newbouldia laevis</i> (Bignoniaceae) and <i>Nauclea latifolia</i> (Rubiaceae) Roots used Singly or in Combination in Nigerian Traditional Medicines. British Journal of Pharmacology and Toxicology, 2014, 5, 55-62. | 0.3 | 7 |
| 1528 | Leaf Litter Decomposition and Nutrient Dynamics Associated with Common Horticultural Cropland Agroforest Tree Species of Bangladesh. International Journal of Forestry Research, 2014, 2014, 1-10. | 0.2 | 10 |
| 1529 | A New Urease Inhibitor from <i>Viola betonicifolia</i> . Molecules, 2014, 19, 16770-16778. | 1.7 | 18 |
| 1530 | Effect of grass hay intake on fiber digestion and digesta retention time in the hindgut of horses. Journal of Animal Science, 2014, 92, 1574-1581. | 0.2 | 11 |
| 1531 | Effect of Chemical Treatment of Sesame Stover with NaOH and Urea on Chemical Composition and <i>In vivo</i> Rumen Digestion in Sheep. Notulae Scientia Biologicae, 2014, 6, 36-40. | 0.1 | 1 |
| 1532 | Characterization of a nitrilase from <i>Arthrobacter aurescens</i> CYC705 for synthesis of iminodiacetic acid. Journal of General and Applied Microbiology, 2014, 60, 207-214. | 0.4 | 12 |
| 1533 | Fermentation Characteristics, Tannin Contents and <i>In vitro</i> Ruminal Degradation of Green Tea and Black Tea By-products Ensiled at Different Temperatures. Asian-Australasian Journal of Animal Sciences, 2014, 27, 937-945. | 2.4 | 21 |
| 1534 | Alfalfa Pasture Bloat Can Be Eliminated by Intermixing with Newly-Developed Sainfoin Population. Agronomy Journal, 2014, 106, 1470-1478. | 0.9 | 29 |
| 1535 | Microbially Induced Calcite Precipitation-based Sequestration of Strontium by <i>Sporosarcina pasteurii</i> WJ-2. Applied Biochemistry and Biotechnology, 2014, 174, 2482-2491. | 1.4 | 53 |
| 1536 | Calcium carbonate precipitation by heterotrophic bacteria isolated from biofilms formed on deteriorated ignimbrite stones: influence of calcium on EPS production and biofilm formation by these isolates. Biofouling, 2014, 30, 547-560. | 0.8 | 42 |
| 1537 | Synthesis, molecular properties and DFT studies of new phosphoramidates as potential urease inhibitors. Medicinal Chemistry Research, 2014, 23, 5174-5187. | 1.1 | 13 |
| 1538 | Effect of <i>Lactobacillus buchneri</i> and <i>Lactobacillus plantarum</i> on the fermentation characteristics and aerobic stability of whipgrass silage in laboratory silos. Grassland Science, 2014, 60, 233-239. | 0.6 | 19 |
| 1539 | Synthesis and bioactivities of silver nanoparticles capped with 5-Amino-?-resorcylic acid hydrochloride dihydrate. Journal of Nanobiotechnology, 2014, 12, 34. | 4.2 | 2 |
| 1540 | Thermal and Nonthermal Factors Affecting Survival of <i>Salmonella</i> and <i>Listeria monocytogenes</i> in Animal Manure-Based Compost Mixtures. Journal of Food Protection, 2014, 77, 1512-1518. | 0.8 | 23 |
| 1541 | Inactivation of Pathogens during Aerobic Composting of Fresh and Aged Dairy Manure and Different Carbon Amendments. Journal of Food Protection, 2014, 77, 1911-1918. | 0.8 | 17 |
| 1542 | Assessment of Anti-nutritive Activity of Tannins in Tea By-products Based on <i>In vitro</i> Rumen Fermentation. Asian-Australasian Journal of Animal Sciences, 2014, 27, 1571-1576. | 2.4 | 33 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1543 | Conservation characteristics and protein fractions of cereal silages ensiled with additives at the booting and dough stages of maturity. Turkish Journal of Veterinary and Animal Sciences, 2014, 38, 285-294. | 0.2 | 3 |
| 1544 | Comparison of enantiomers of organic acids for their effects on methane production in vitro. Animal Production Science, 2014, 54, 1345. | 0.6 | 6 |
| 1545 | Twin-Arginine Translocation System in Helicobacter pylori: TatC, but Not TatB, Is Essential for Viability. MBio, 2014, 5, e01016-13. | 1.8 | 19 |
| 1546 | Assessment of Tannery Waste in Semi-arid Soils Under a Simulated Rainfall System. Soil and Sediment Contamination, 2014, 23, 954-964. | 1.1 | 8 |
| 1547 | Short communication: Effect of dietary manipulation of crude protein content and nonfibrous-to-fibrous-carbohydrate ratio on energy balance in early-lactation dairy cows. Journal of Dairy Science, 2014, 97, 7220-7224. | 1.4 | 3 |
| 1548 | Inhibition of urease activity in the urinary tract pathogen <i>Staphylococcus saprophyticus</i> . Letters in Applied Microbiology, 2014, 58, 31-41. | 1.0 | 42 |
| 1549 | Self-assembly amphipathic peptides induce active enzyme aggregation that dramatically increases the operational stability of nitrilase. RSC Advances, 2014, 4, 60675-60684. | 1.7 | 16 |
| 1550 | Effect of dietary forage sources on rumen microbiota, rumen fermentation and biogenic amines in dairy cows. Journal of the Science of Food and Agriculture, 2014, 94, 1886-1895. | 1.7 | 74 |
| 1551 | Effects of inoculum source, pH, redox potential and headspace di-hydrogen on rumen in vitro fermentation yields. Animal, 2014, 8, 931-937. | 1.3 | 23 |
| 1552 | HPLC-DAD analysis, antioxidant potential and anti-urease activity of <i>Asparagus gracilis</i> collected from District Islamabad. BMC Complementary and Alternative Medicine, 2014, 14, 347. | 3.7 | 12 |
| 1553 | Intravenous lipopolysaccharide challenge alters ruminal bacterial microbiota and disrupts ruminal metabolism in dairy cattle. British Journal of Nutrition, 2014, 112, 170-182. | 1.2 | 25 |
| 1554 | The Effect of Starch, Inulin, and Degradable Protein on Ruminal Fermentation and Microbial Growth in Rumen Simulation Technique. Italian Journal of Animal Science, 2014, 13, 3121. | 0.8 | 11 |
| 1555 | Jack bean urease inhibition by crude juices of <i>Allium</i> and Brassica plants. Determination of thiosulfates. Food Chemistry, 2014, 145, 154-160. | 4.2 | 19 |
| 1556 | Biodegradation of naphthenic acids in oils sands process waters in an immobilized soil/sediment bioreactor. Chemosphere, 2014, 109, 164-172. | 4.2 | 51 |
| 1557 | Nutritive value, in vitro fermentation and methane production of perennial pastures as affected by botanical composition over a growing season in the south of Chile. Animal Production Science, 2014, 54, 598. | 0.6 | 14 |
| 1558 | A novel nitrilase from <i>Rhodobacter sphaeroides</i> LHS-305: cloning, heterologous expression and biochemical characterization. World Journal of Microbiology and Biotechnology, 2014, 30, 245-252. | 1.7 | 15 |
| 1559 | Microwave-assisted synthesis of some hybrid molecules containing penicillanic acid or cephalosporanic acid moieties and investigation of their biological activities. Medicinal Chemistry Research, 2014, 23, 3128-3143. | 1.1 | 15 |
| 1560 | Nitrogen budgets of urban lawns under three different management regimes in southern California. Biogeochemistry, 2014, 121, 127-148. | 1.7 | 22 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1561 | Labile soil organic carbon and nitrogen within a gradient of dryland agricultural land-use intensity in Wyoming, USA. <i>Geoderma</i> , 2014, 226-227, 1-7. | 2.3 | 14 |
| 1562 | Laboratory study of fungal bioreceptivity of different fractions of composite flooring tiles showing efflorescence. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 5251-5260. | 1.7 | 2 |
| 1563 | Influence of ecosystem engineers on ecosystem processes is mediated by lake sediment properties. <i>Oikos</i> , 2014, 123, 500-512. | 1.2 | 21 |
| 1564 | Dissipation of excess photosynthetic energy contributes to salinity tolerance: A comparative study of salt-tolerant <i>Ricinus communis</i> and salt-sensitive <i>Jatropha curcas</i> . <i>Journal of Plant Physiology</i> , 2014, 171, 23-30. | 1.6 | 61 |
| 1565 | Urease inhibitory activity of ursane type sulfated saponins from the aerial parts of <i>Zygophyllum fabago</i> Linn. <i>Phytomedicine</i> , 2014, 21, 379-382. | 2.3 | 19 |
| 1566 | Novel derivatives of 5-amino-1-cyclopropyl-7-[(3R,5S)3,5-dimethylpiperazine-1-yl]-6,8-difluoro-4-oxo-quinoline-3-carboxylic acid: their synthesis, antimicrobial, antifungal, and urease inhibitory studies. <i>Medicinal Chemistry Research</i> , 2014, 23, 1248-1256. | 1.1 | 8 |
| 1567 | A Facile One-Pot Synthesis of 2-Arylamino-5-Aryloxyalkyl-1,3,4-Oxadiazoles and Their Urease Inhibition Studies. <i>Chemical Biology and Drug Design</i> , 2014, 84, 92-98. | 1.5 | 15 |
| 1568 | Effects of Essential Oils on In Vitro Methanogenesis and Feed Fermentation with Buffalo Rumen Liquor. <i>Agricultural Research</i> , 2014, 3, 67-74. | 0.9 | 32 |
| 1569 | Purification and characterization of a thermostable aliphatic amidase from the hyperthermophilic archaeon <i>Pyrococcus yayanosii</i> CH1. <i>Extremophiles</i> , 2014, 18, 429-440. | 0.9 | 19 |
| 1570 | Synthesis, structures, and <i>Helicobacter Pylori</i> urease inhibition of hydroxamate-coordinated oxovanadium complexes with benzohydrazone ligands. <i>Transition Metal Chemistry</i> , 2014, 39, 291-297. | 0.7 | 22 |
| 1571 | The effects of the supplementation of activated charcoal on the growth, health status and fillet composition-odor of Nile tilapia (<i>Oreochromis niloticus</i>) before harvesting. <i>Aquaculture International</i> , 2014, 22, 1417-1436. | 1.1 | 25 |
| 1572 | Soil carbon and nitrogen storage in alluvial wet meadows of the Southern Sierra Nevada Mountains, USA. <i>Journal of Soils and Sediments</i> , 2014, 14, 34-43. | 1.5 | 21 |
| 1573 | Enzymatic surface modification of polyacrylonitrile and its copolymers: Effects of polymer surface area and protein adsorption. <i>Fibers and Polymers</i> , 2014, 15, 24-29. | 1.1 | 10 |
| 1574 | Synthesis of Some Heterofunctionalized Penicillanic Acid Derivatives and Investigation of Their Biological Activities. <i>Archiv Der Pharmazie</i> , 2014, 347, 200-220. | 2.1 | 11 |
| 1575 | Design, synthesis, molecular docking studies and in vitro screening of ethyl 4-(3-benzoylthioureido) benzoates as urease inhibitors. <i>Bioorganic Chemistry</i> , 2014, 52, 1-7. | 2.0 | 34 |
| 1576 | Synthesis, characterization and urease inhibition of a novel acetylhydroxamate-coordinated oxovanadium(V) complex with hydrazone ligand. <i>Inorganic Chemistry Communication</i> , 2014, 45, 131-134. | 1.8 | 21 |
| 1577 | Increased Incidence of Urolithiasis and Bacteremia During <i>Proteus mirabilis</i> and <i>Providencia stuartii</i> Coinfection Due to Synergistic Induction of Urease Activity. <i>Journal of Infectious Diseases</i> , 2014, 209, 1524-1532. | 1.9 | 77 |
| 1578 | Anti-ulcer xanthenes from the roots of <i>Hypericum oblongifolium</i> Wall. <i>Fä-toterapÄ-Äç</i> , 2014, 95, 258-265. | 1.1 | 22 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1579 | Inhibition of crystallization caused by <i>Proteus mirabilis</i> during the development of infectious urolithiasis by various phenolic substances. <i>Microbiological Research</i> , 2014, 169, 579-584. | 2.5 | 36 |
| 1580 | Catechin-based Procyanidins from <i>Peumus boldus</i> Mol. Aqueous Extract Inhibit <i>Helicobacter pylori</i> Urease and Adherence to Adenocarcinoma Gastric Cells. <i>Phytotherapy Research</i> , 2014, 28, 1637-1645. | 2.8 | 38 |
| 1581 | Protonation Studies of a Tungsten Dinitrogen Complex Supported by a Diphosphine Ligand Containing a Pendant Amine. <i>Organometallics</i> , 2014, 33, 2189-2200. | 1.1 | 26 |
| 1582 | Novel and versatile methodology for synthesis of β -aryl- β -mercapto ketone derivatives as potential urease inhibitors. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 1113-1119. | 1.2 | 9 |
| 1583 | Evaluation of a Urea Bioelectrochemical System for Wastewater Treatment Processes. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 749-754. | 3.2 | 36 |
| 1584 | A feeding strategy for incorporation of canola derived medium-chain-length monomers into the PHA produced by wild-type <i>Cupriavidus necator</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 1409-1416. | 1.7 | 13 |
| 1585 | Catalytic Reduction of N_2 to NH_3 by an $Fe-N_2$ Complex Featuring a C-Atom Anchor. <i>Journal of the American Chemical Society</i> , 2014, 136, 1105-1115. | 6.6 | 296 |
| 1586 | Synthesis of Some New 1,2,4-Triazole Derivatives Starting from 3-(4-Chlorophenyl)-5-(4-methoxybenzyl)-1,2,4-triazol with Anti-Lipase and Anti-Urease Activities. <i>Archiv Der Pharmazie</i> , 2014, 347, 387-397. | | 47 |
| 1587 | Organic matter stocks increase with degree of invasion in temperate inland wetlands. <i>Plant and Soil</i> , 2014, 385, 107-123. | 1.8 | 17 |
| 1588 | Microbial and chemical composition of liquid-associated bacteria in goats' rumen and fermenters. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2014, 98, 1001-1012. | 1.0 | 4 |
| 1589 | Effects of dietary inclusion of sunflower soap stocks on nutrient digestibility, growth performance, and ruminal and blood metabolites of light fattening lambs. <i>Journal of Animal Science</i> , 2014, 92, 4086-4094. | 0.2 | 8 |
| 1590 | Urease inhibitory constituents from <i>Daphne retusa</i> . <i>Journal of Asian Natural Products Research</i> , 2014, 16, 210-215. | 0.7 | 8 |
| 1591 | Whole flax seed and flax oil supplementation of dairy cows fed high-forage or high-concentrate diets: Effects on digestion, ruminal fermentation characteristics, protozoal populations and milk fatty acid profile. <i>Animal Feed Science and Technology</i> , 2014, 198, 117-129. | 1.1 | 11 |
| 1592 | Daily and alternate day supplementation of <i>Moringa oleifera</i> leaf meal or soyabean meal to lambs receiving oat hay. <i>Livestock Science</i> , 2014, 168, 84-88. | 0.6 | 4 |
| 1593 | High Level Biosynthesis of a Silk-Elastin-like Protein in <i>E. coli</i> . <i>Biomacromolecules</i> , 2014, 15, 2701-2708. | 2.6 | 24 |
| 1594 | Antiurease activity of plants growing in the Czech Republic. <i>Natural Product Research</i> , 2014, 28, 868-873. | 1.0 | 11 |
| 1595 | Non-destructive evaluation of quality and ammonia content in whole and fresh-cut lettuce by computer vision system. <i>Food Research International</i> , 2014, 64, 647-655. | 2.9 | 25 |
| 1596 | Influence of grinding on the nutritive value of peas for ruminants: comparison between in vitro and in situ approaches. <i>Food Science and Nutrition</i> , 2014, 2, 308-320. | 1.5 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1597 | Use of stomach tubing as an alternative to rumen cannulation to study ruminal fermentation and microbiota in sheep and goats. <i>Animal Feed Science and Technology</i> , 2014, 198, 57-66. | 1.1 | 102 |
| 1598 | A novel environmental biotechnological aerobic process (BioAX) for the treatment of coal gasification wastewater. <i>RSC Advances</i> , 2014, 4, 35156. | 1.7 | 13 |
| 1599 | Hydrogen Bonding Networks Tune Proton-Coupled Redox Steps during the Enzymatic Six-Electron Conversion of Nitrite to Ammonia. <i>Biochemistry</i> , 2014, 53, 5638-5646. | 1.2 | 23 |
| 1600 | Soybean Ureases, but Not That of <i>Bradyrhizobium japonicum</i> , Are Involved in the Process of Soybean Root Nodulation. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3517-3524. | 2.4 | 17 |
| 1601 | Assessment of the influence of biochar on rumen and silage fermentation: A laboratory-scale experiment. <i>Animal Feed Science and Technology</i> , 2014, 196, 22-31. | 1.1 | 45 |
| 1602 | Methane production, nutrient digestion, ruminal fermentation, N balance, and milk production of cows fed timothy silage- or alfalfa silage-based diets. <i>Journal of Dairy Science</i> , 2014, 97, 6463-6474. | 1.4 | 17 |
| 1603 | A 10 ⁶ -Fold Enhancement in N ₂ -Binding Affinity of an Fe ₂ (μ_4 -H) ₂ Core upon Reduction to a Mixed-Valence Fe ^{II} Fe ^I State. <i>Journal of the American Chemical Society</i> , 2014, 136, 13853-13862. | 6.6 | 79 |
| 1604 | EXTRACELLULAR LIGNINOLYTIC ENZYMES PRODUCTION BY <i>Pleurotus eryngii</i> ON AGROINDUSTRIAL WASTES. <i>Preparative Biochemistry and Biotechnology</i> , 2014, 44, 772-781. | 1.0 | 30 |
| 1605 | Amendments of microbial biofertilizers and organic substances reduces requirement of urea and DAP with enhanced nutrient availability and productivity of wheat (<i>Triticum aestivum</i> L.). <i>Ecological Engineering</i> , 2014, 71, 432-437. | 1.6 | 50 |
| 1606 | The effects of dietary L-carnitine and rumen-protected choline on growth performance, carcass characteristics and blood and rumen metabolites of Holstein Young bulls. <i>Journal of Applied Animal Research</i> , 2014, 42, 89-96. | 0.4 | 4 |
| 1607 | Synthesis, structural characterization, molecular docking, and urease inhibition studies of dinuclear cobalt(II) complexes derived from 3,5-bis(pyridin-2-yl)-4-amino-1,2,4-triazole. <i>Journal of Coordination Chemistry</i> , 2014, 67, 1279-1289. | 0.8 | 10 |
| 1608 | [Ge(H)(2â€C ₆ H ₄) ₂ PPH ₂) ₃] as Ligand Precursor at Ruthenium: Formation and Reactivity of [Ru(Cl){Ge(2â€C ₆ H ₄) ₂ PPH ₂) ₃ }. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4826-4835. | 1.0 | 29 |
| 1609 | 2-(2â€2-Pyridyl) benzimidazole derivatives and their urease inhibitory activity. <i>Medicinal Chemistry Research</i> , 2014, 23, 4447-4454. | 1.1 | 49 |
| 1610 | Purification of an amide hydrolase DamH from <i>Delftia</i> sp. T3-6 and its gene cloning, expression, and biochemical characterization. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 7491-7499. | 1.7 | 23 |
| 1611 | Nitrilase superfamily aryl acylamidase from the halotolerant mangrove <i>Streptomyces</i> sp. 211726. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 8583-8590. | 1.7 | 2 |
| 1612 | Influence of bioturbation on denitrification and dissimilatory nitrate reduction to ammonium (DNRA) in freshwater sediments. <i>Biogeochemistry</i> , 2014, 120, 279-294. | 1.7 | 70 |
| 1613 | Catalytic Formation of Ammonia from Molecular Dinitrogen by Use of Dinitrogen-Bridged Dimolybdenumâ€Dinitrogen Complexes Bearing PNP-Pincer Ligands: Remarkable Effect of Substituent at PNP-Pincer Ligand. <i>Journal of the American Chemical Society</i> , 2014, 136, 9719-9731. | 6.6 | 202 |
| 1614 | Effect of concentrate level on feeding behavior and rumen and blood parameters in dairy goats: Relationships between behavioral and physiological parameters and effect of between-animal variability. <i>Journal of Dairy Science</i> , 2014, 97, 4367-4378. | 1.4 | 27 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1615 | Chemical composition of the inorganic fraction of cloud-water at a high altitude station in West India. <i>Atmospheric Environment</i> , 2014, 88, 59-65. | 1.9 | 46 |
| 1616 | Amylase addition increases starch ruminal digestion in first-lactation cows fed high and low starch diets. <i>Journal of Dairy Science</i> , 2014, 97, 2319-2328. | 1.4 | 59 |
| 1617 | Intake and digestion of wethers fed with dwarf elephant grass hay with or without the inclusion of peanut hay. <i>Tropical Animal Health and Production</i> , 2014, 46, 975-980. | 0.5 | 10 |
| 1618 | Cloning, Overexpression, and Characterization of a High Enantioselective Nitrilase from <i>Sphingomonas wittichii</i> RW1 for Asymmetric Synthesis of (R)-Phenylglycine. <i>Applied Biochemistry and Biotechnology</i> , 2014, 173, 365-377. | 1.4 | 15 |
| 1619 | Nutrient Dynamics Associated with Leaching and Microbial Decomposition of Four Abundant Mangrove Species Leaf Litter of the Sundarbans, Bangladesh. <i>Wetlands</i> , 2014, 34, 439-448. | 0.7 | 30 |
| 1620 | Expression of a fungal ferulic acid esterase in alfalfa modifies cell wall digestibility. <i>Biotechnology for Biofuels</i> , 2014, 7, 39. | 6.2 | 43 |
| 1621 | Unique behaviour of dinitrogen-bridged dimolybdenum complexes bearing pincer ligand towards catalytic formation of ammonia. <i>Nature Communications</i> , 2014, 5, 3737. | 5.8 | 162 |
| 1622 | Methane production, digestion, ruminal fermentation, nitrogen balance, and milk production of cows fed corn silage- or barley silage-based diets. <i>Journal of Dairy Science</i> , 2014, 97, 961-974. | 1.4 | 54 |
| 1623 | Effects of ethyl-3-nitrooxy propionate and 3-nitrooxypropanol on ruminal fermentation, microbial abundance, and methane emissions in sheep. <i>Journal of Dairy Science</i> , 2014, 97, 3790-3799. | 1.4 | 87 |
| 1624 | Key geochemical factors regulating Mn(IV)-catalyzed anaerobic nitrification in coastal marine sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 133, 17-33. | 1.6 | 40 |
| 1625 | Effect of substituting brown rice for corn on lactation and digestion in dairy cows fed diets with a high proportion of grain. <i>Journal of Dairy Science</i> , 2014, 97, 952-960. | 1.4 | 27 |
| 1626 | Comparative in vitro studies on disodium EDTA effect with and without <i>Proteus mirabilis</i> on the crystallization of carbonate apatite and struvite. <i>Journal of Crystal Growth</i> , 2014, 395, 123-131. | 0.7 | 7 |
| 1627 | Synthesis of some new hybride molecules containing several azole moieties and investigation of their biological activities. <i>Russian Journal of Bioorganic Chemistry</i> , 2014, 40, 314-329. | 0.3 | 8 |
| 1628 | Biogenic ammonia for CO ₂ capturing and electrochemical conversion into bicarbonate and formate. <i>Journal of CO₂ Utilization</i> , 2014, 6, 53-61. | 3.3 | 17 |
| 1629 | In vitro studies of epithelium-associated crystallization caused by uropathogens during urinary calculi development. <i>Microbial Pathogenesis</i> , 2014, 71-72, 25-31. | 1.3 | 20 |
| 1630 | Presence of multiple acyltransferases with diverse substrate specificity in <i>Bacillus smithii</i> strain IITR6b2 and characterization of unique acyltransferase with nicotinamide. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 107, 64-72. | 1.8 | 6 |
| 1631 | Ammonium Metabolism Enzymes Aid <i>Helicobacter pylori</i> Acid Resistance. <i>Journal of Bacteriology</i> , 2014, 196, 3074-3081. | 1.0 | 41 |
| 1632 | Synthesis and structure-activity relationship of thiobarbituric acid derivatives as potent inhibitors of urease. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4119-4123. | 1.4 | 43 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1633 | Ruthenium(II-6-arene) Complexes of Thiourea Derivatives: Synthesis, Characterization and Urease Inhibition. <i>Molecules</i> , 2014, 19, 8080-8092. | 1.7 | 27 |
| 1634 | Chemical and morphological study of PM ₁₀ and PM _{2.5} in Pune, India. <i>International Journal of Environment and Waste Management</i> , 2014, 13, 199. | 0.2 | 2 |
| 1635 | Impact of a tannin extract on digestibility, ruminal fermentation and duodenal flow of amino acids in steers fed maize silage and concentrate containing soybean meal or canola meal as protein source. <i>Journal of Agricultural Science</i> , 2015, 153, 943-953. | 0.6 | 23 |
| 1636 | Comparison of fermentation characteristics and bacterial diversity in the rumen of sheep and in batch cultures of rumen microorganisms. <i>Journal of Agricultural Science</i> , 2015, 153, 1097-1106. | 0.6 | 8 |
| 1637 | TOLERANCE OF SUGAR SNAP PEAS TO MODIFIED ATMOSPHERES WITH HIGH CONCENTRATIONS OF CARBON DIOXIDE. <i>Acta Horticulturae</i> , 2015, , 619-625. | 0.1 | 1 |
| 1638 | Soil Organic Carbon and Nitrogen Fractions and Sugar Beet Sucrose Yield in Furrow-Irrigated Agroecosystems. <i>Soil Science Society of America Journal</i> , 2015, 79, 876-888. | 1.2 | 4 |
| 1639 | Effect of calcium salt of fatty acids supplementation on performance of Malpura lambs. <i>Animal Production Science</i> , 2015, 55, 1123. | 0.6 | 17 |
| 1640 | Effects of Degradable Protein and Non-Fibre Carbohydrates on Microbial Growth and Fermentation in the Rumen Simulating Fermenter (Rusitec). <i>Italian Journal of Animal Science</i> , 2015, 14, 3771. | 0.8 | 7 |
| 1641 | Spatial Relationships of Soil Properties, Crop Indices, and Nitrogen Application Pattern with Wheat Growth and Yield in a Field. <i>Advances in Agricultural Systems Modeling</i> , 0, , 229-259. | 0.3 | 1 |
| 1642 | The effect of increased atmospheric temperature and CO ₂ concentration during crop growth on the chemical composition and in vitro rumen fermentation characteristics of wheat straw. <i>Journal of Animal Science and Biotechnology</i> , 2015, 6, 46. | 2.1 | 3 |
| 1643 | Effects of grass hay proportion in a corn silage-based diet on rumen digesta kinetics and digestibility in dairy cows. <i>Animal Science Journal</i> , 2015, 86, 833-841. | 0.6 | 1 |
| 1644 | Defining the nitrogen regulated transcriptome of <i>Mycobacterium smegmatis</i> using continuous culture. <i>BMC Genomics</i> , 2015, 16, 821. | 1.2 | 29 |
| 1645 | A between-experiment analysis of relationships linking dietary protein intake and post-weaning diarrhea in weaning pigs under conditions of experimental infection with an enterotoxigenic strain of <i>Escherichia coli</i> . <i>Animal Science Journal</i> , 2015, 86, 286-293. | 0.6 | 27 |
| 1646 | Effect of feeding Jerusalem artichoke (<i>Helianthus tuberosus</i>) root as prebiotic on nutrient utilization, fecal characteristics and serum metabolite profile of captive Indian leopard (<i>Panthera</i>) Tj ETQq1 1 0.784314 rgbT /Over | 0.7 | 1 |
| 1647 | A semester-long project-oriented biochemistry laboratory based on <i>Helicobacter pylori</i> urease. <i>Biochemistry and Molecular Biology Education</i> , 2015, 43, 333-340. | 0.5 | 15 |
| 1648 | Evaluation of L-Cysteine as Anti-Browning Agent in Fresh-Cut Lettuce Processing. <i>Journal of Food Processing and Preservation</i> , 2015, 39, 985-993. | 0.9 | 30 |
| 1649 | Nitrogen-Inorganic Forms. <i>Agronomy</i> , 0, , 643-698. | 0.2 | 1,011 |
| 1650 | The effect of aqueous stem bark extract of <i>Erythrina mildbraedii</i> on acetaminophen induced nephrotoxicity in rats. <i>Bayero Journal of Pure and Applied Sciences</i> , 2015, 8, 10. | 0.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1651 | Application of multivariate analysis to evaluate the biochemical changes in sorghum (Sorghum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 74 Biotechnology, 2015, 14, 3257-3263. | 0.3 | 3 |
| 1652 | Soil Nitrogen Five Years after Bark Beetle Infestation in Lodgepole Pine Forests. Soil Science Society of America Journal, 2015, 79, 282-293. | 1.2 | 23 |
| 1653 | Associative effects between orchardgrass and red clover silages on voluntary intake and digestion in sheep: Evidence of a synergy on digestible dry matter intake1. Journal of Animal Science, 2015, 93, 4967-4976. | 0.2 | 20 |
| 1654 | Synthesis, Density Functional Theory (DFT), Urease Inhibition and Antimicrobial Activities of 5-Aryl Thiophenes Bearing Sulphonylacamide Moieties. Molecules, 2015, 20, 19914-19928. | 1.7 | 32 |
| 1655 | The Contribution of Occult Precipitation to Nutrient Deposition on the West Coast of South Africa. PLoS ONE, 2015, 10, e0126225. | 1.1 | 9 |
| 1656 | Potential of tannin-rich plants for modulating ruminal microbes and ruminal fermentation in sheep1. Journal of Animal Science, 2015, 93, 334-347. | 0.2 | 53 |
| 1657 | Evaluation of Water Quality Functions of Conventional and Advanced Soil-Based Onsite Wastewater Treatment Systems. Journal of Environmental Quality, 2015, 44, 953-962. | 1.0 | 32 |
| 1658 | Lack of Correlation between Ammonium Accumulation and Survival of Transgenic Birch Plants with Pine Cytosolic Glutamine Synthetase Gene after â€œBastaâ€–Herbicide Treatment. Journal of Botany, 2015, 2015, 1-6. | 1.2 | 2 |
| 1659 | Kinnow madarin (Citrus nobilis lour Ã– Citrus deliciosa tenora) fruit waste silage as potential feed for small ruminants. Veterinary World, 2015, 8, 19-23. | 0.7 | 8 |
| 1660 | Effects of Forage:Concentrate Ratio on Growth Performance, Ruminal Fermentation and Blood Metabolites in Housing-feeding Yaks. Asian-Australasian Journal of Animal Sciences, 2015, 28, 1736-1741. | 2.4 | 25 |
| 1661 | Effect of a cassava based diet (gari) on some renal function parameters in albino rats. African Journal of Cellular Pathology, 2015, 4, 74-77. | 0.2 | 0 |
| 1662 | Effects of essential oils, yeast culture and malate on rumen fermentation, blood metabolites, growth performance and nutrient digestibility of Baluchi lambs fed highâ€–concentrate diets. Journal of Animal Physiology and Animal Nutrition, 2015, 99, 221-229. | 1.0 | 26 |
| 1663 | Effects of caseinate deamidation on transglutaminase-induced glucosamine conjugation and cross-linking as well as properties of the treated caseinates. CYTA - Journal of Food, 2015, 13, 400-407. | 0.9 | 3 |
| 1664 | Honey as an apitherapeutic product: its inhibitory effect on urease and xanthine oxidase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 31, 1-5. | 2.5 | 18 |
| 1665 | Modelling of immobilised enzyme biocatalytic membrane reactor performance. Journal of Molecular Catalysis B: Enzymatic, 2015, 119, 48-53. | 1.8 | 10 |
| 1666 | The essential role of nitrogen limitation in expression of xplA and degradation of hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) in Gordonia sp. strain KTR9. Applied Microbiology and Biotechnology, 2015, 99, 459-467. | 1.7 | 12 |
| 1667 | Agronomic characteristics, silage quality, intake and digestibility of five new Brazilian sorghum cultivars. Journal of Agricultural Science, 2015, 153, 371-380. | 0.6 | 7 |
| 1668 | Synthesis of novel derivatives of oxindole, their urease inhibition and molecular docking studies. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3285-3289. | 1.0 | 79 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1669 | Reducing microbial ureolytic activity in the rumen by immunization against urease therein. <i>BMC Veterinary Research</i> , 2015, 11, 94. | 0.7 | 17 |
| 1670 | Evaluating Molecular Cobalt Complexes for the Conversion of N_2 to NH_3 . <i>Inorganic Chemistry</i> , 2015, 54, 9256-9262. | 1.9 | 143 |
| 1671 | Synthesis, molecular docking and biological evaluation of 3-arylfuran-2(5H)-ones as anti-gastric ulcer agent. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4860-4865. | 1.4 | 25 |
| 1672 | Effects of hydrogen in headspace and bicarbonate in media on rumen fermentation, methane production and methanogenic population using in vitro gas production techniques. <i>Animal Feed Science and Technology</i> , 2015, 206, 19-28. | 1.1 | 15 |
| 1673 | Energetic adaptations persist after bariatric surgery in severely obese adolescents. <i>Obesity</i> , 2015, 23, 591-601. | 1.5 | 47 |
| 1674 | Mutational and Computational Evidence That a Nickel-Transfer Tunnel in UreD Is Used for Activation of <i>Klebsiella aerogenes</i> Urease. <i>Biochemistry</i> , 2015, 54, 6392-6401. | 1.2 | 41 |
| 1675 | Digestibility, ruminal fermentation and duodenal flux of amino acids in steers fed grass forage plus concentrate containing increasing levels of <i>Acacia mearnsii</i> tannin extract. <i>Animal Feed Science and Technology</i> , 2015, 210, 37-45. | 1.1 | 54 |
| 1676 | Directed evolution of nitrilase PpL19 from <i>Pseudomonas psychrotolerans</i> L19 and identification of enantiocomplementary mutants toward mandelonitrile. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 820-825. | 1.0 | 10 |
| 1677 | Design, structural and spectroscopic elucidation and in vitro antimicrobial, anticancer, antileishmanial, urease inhibition activities and interaction with SS-DNA of newly synthesized amide based carboxylic acid. <i>Inorganica Chimica Acta</i> , 2015, 427, 178-187. | 1.2 | 7 |
| 1678 | <i>In vitro</i> screening and evaluation of some Indian medicinal plants for their potential to inhibit Jack bean and bacterial ureases causing urinary infections. <i>Pharmaceutical Biology</i> , 2015, 53, 326-333. | 1.3 | 21 |
| 1679 | Effect of <i>Madhuca longifolia</i> and <i>Terminalia chebula</i> on methane production and nutrient utilization in buffaloes. <i>Animal Feed Science and Technology</i> , 2015, 201, 38-45. | 1.1 | 14 |
| 1680 | Reduction of Urease Activity by Interaction with the Flap Covering the Active Site. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 354-361. | 2.5 | 27 |
| 1681 | Root plasticity and its functional roles were triggered by water deficit but not by the resulting changes in the forms of soil N in rice. <i>Plant and Soil</i> , 2015, 386, 65-76. | 1.8 | 40 |
| 1682 | Synthesis and Protonation Studies of Molybdenum(0) Bis(di-Nitrogen) Complexes Supported by Diphosphine Ligands Containing Pendant Amines. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 105-117. | 0.6 | 15 |
| 1683 | Supplementation of increasing amounts of linoleic acid to <i>Leymus chinensis</i> decreases methane production and improves fatty acid composition in vitro. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 945-953. | 1.0 | 4 |
| 1684 | Biological evaluation and molecular docking of baicalin and scutellarin as <i>Helicobacter pylori</i> urease inhibitors. <i>Journal of Ethnopharmacology</i> , 2015, 162, 69-78. | 2.0 | 54 |
| 1685 | Optimization of high cell density fermentation process for recombinant nitrilase production in <i>E. coli</i> . <i>Bioresource Technology</i> , 2015, 188, 202-208. | 4.8 | 42 |
| 1686 | Nonlinear responses in salt marsh functioning to increased nitrogen addition. <i>Ecology</i> , 2015, 96, 936-947. | 1.5 | 31 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1687 | Use of tomato and cucumber waste fruits in goat diets: effects on rumen fermentation and microbial communities in batch and continuous cultures. <i>Journal of Agricultural Science</i> , 2015, 153, 343-352. | 0.6 | 6 |
| 1688 | Synthesis and Catalytic Activity of Molybdenum-Nitride Complexes Bearing Pincer Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1789-1794. | 1.0 | 35 |
| 1689 | Synthesis, characterization and urease inhibition, in vitro anticancer and antileishmanial studies of Ni(II) complexes with N,N,N'-trisubstituted thioureas. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 541-554. | 1.1 | 45 |
| 1690 | Effects of potassium sorbate and <i>Lactobacillus plantarum</i> MTD1 on production of ethanol and other volatile organic compounds in corn silage. <i>Animal Feed Science and Technology</i> , 2015, 208, 79-85. | 1.1 | 17 |
| 1691 | The effect of feeding low quality date palm (<i>Phoenix dactylifera</i> L.) on the performance, antioxidant status and ruminal fermentation of mid-lactating Saanen dairy goats. <i>Small Ruminant Research</i> , 2015, 130, 95-100. | 0.6 | 13 |
| 1692 | Preparation and Instability of Nanocrystalline Cuprous Nitride. <i>Inorganic Chemistry</i> , 2015, 54, 6356-6362. | 1.9 | 22 |
| 1693 | Synthesis and Protonation of N-Heterocyclic-Carbene-Supported Dinitrogen Complexes of Molybdenum(0). <i>Organometallics</i> , 2015, 34, 3414-3420. | 1.1 | 24 |
| 1694 | Effects of inulin and Jerusalem artichoke (<i>Helianthus tuberosus</i>) as prebiotic ingredients in the diet of juvenile Nile tilapia (<i>Oreochromis niloticus</i>). <i>Animal Feed Science and Technology</i> , 2015, 207, 120-129. | 1.1 | 65 |
| 1695 | Ammonia excretion in the Atlantic hagfish (<i>Myxine glutinosa</i>) and responses of an Rhc glycoprotein. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015, 308, R769-R778. | 0.9 | 15 |
| 1696 | Synthesis, biological evaluation and molecular docking of N-phenyl thiosemicarbazones as urease inhibitors. <i>Bioorganic Chemistry</i> , 2015, 61, 51-57. | 2.0 | 65 |
| 1697 | Synthesis and evaluation of N-analogs of 1,2-diarylethane as <i>Helicobacter pylori</i> urease inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4508-4513. | 1.4 | 17 |
| 1698 | Silver nanoparticles influenced rat serum metabolites and tissue morphology. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2015, 26, 355-361. | 0.7 | 20 |
| 1699 | Regioselective synthesis of novel 2,3,4,4a-tetrahydro-1H-carbazoles and their cholinesterase inhibitory activities. <i>RSC Advances</i> , 2015, 5, 59240-59250. | 1.7 | 12 |
| 1700 | Protonation Studies of a Mono-Dinitrogen Complex of Chromium Supported by a 12-Membered Phosphorus Macrocycle Containing Pendant Amines. <i>Inorganic Chemistry</i> , 2015, 54, 4827-4839. | 1.9 | 32 |
| 1701 | Optimization of cultural conditions for biosurfactant production by <i>Pleurotus djamor</i> in solid state fermentation. <i>Journal of Bioscience and Bioengineering</i> , 2015, 120, 526-531. | 1.1 | 49 |
| 1702 | Nitrogen fixation catalyzed by ferrocene-substituted dinitrogen-bridged dimolybdenum-dinitrogen complexes: unique behavior of ferrocene moiety as redox active site. <i>Chemical Science</i> , 2015, 6, 3940-3951. | 3.7 | 100 |
| 1703 | Catalytic Reduction of Dinitrogen to Ammonia by Use of Molybdenum-Nitride Complexes Bearing a Tridentate Triphosphine as Catalysts. <i>Journal of the American Chemical Society</i> , 2015, 137, 5666-5669. | 6.6 | 215 |
| 1704 | Cloning, purification and evaluation of the enzymatic properties of a novel arylacetone nitrilase from <i>Luminiphilus sylvensis</i> NOR5-1B: a potential biocatalyst for the synthesis of mandelic acid and its derivatives. <i>Biotechnology Letters</i> , 2015, 37, 1655-1661. | 1.1 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1705 | Allometric models for biomass, nutrients and carbon stock in <i>Excoecaria agallocha</i> of the Sundarbans, Bangladesh. <i>Wetlands Ecology and Management</i> , 2015, 23, 765-774. | 0.7 | 32 |
| 1706 | Sources and elemental composition of summer aerosols in the Larsemann Hills (Antarctica). <i>Environmental Science and Pollution Research</i> , 2015, 22, 2041-2050. | 2.7 | 22 |
| 1707 | Synthesis of novel 5-arylidene (thio)barbituric acid and evaluation of their urease inhibitory activity. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1487-1491. | 1.2 | 14 |
| 1708 | Production of poly- β -glutamic acid by glutamic acid-independent <i>Bacillus licheniformis</i> TISTR 1010 using different feeding strategies. <i>Biochemical Engineering Journal</i> , 2015, 100, 67-75. | 1.8 | 41 |
| 1709 | Production and Characterization of a Camelid Single Domain Antibody-Urease Enzyme Conjugate for the Treatment of Cancer. <i>Bioconjugate Chemistry</i> , 2015, 26, 1144-1155. | 1.8 | 29 |
| 1710 | Efficacy of exogenous xylanases for improving <i>in vitro</i> fermentation of forages. <i>Journal of Agricultural Science</i> , 2015, 153, 538-553. | 0.6 | 13 |
| 1711 | High cell density cultivation of <i>Pseudomonas putida</i> KT2440 using glucose without the need for oxygen enriched air supply. <i>Biotechnology and Bioengineering</i> , 2015, 112, 725-733. | 1.7 | 53 |
| 1712 | Nitrogen Sources and Adventitious Root Development in <i>Eucalyptus globulus</i> Microcuttings. <i>Journal of Plant Nutrition</i> , 2015, 38, 1628-1638. | 0.9 | 9 |
| 1713 | Design, syntheses and evaluation of benzoylthioureas as urease inhibitors of agricultural interest. <i>RSC Advances</i> , 2015, 5, 44507-44515. | 1.7 | 44 |
| 1714 | Electronic and Steric Influences of Pendant Amine Groups on the Protonation of Molybdenum Bis(dinitrogen) Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 4409-4422. | 1.9 | 16 |
| 1715 | Rapid Method Using Two Microbial Enzymes for Detection of <i>Agrobacterium</i> -Abrine in Food as a Marker for the Toxic Protein Abrin. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1610-1615. | 1.4 | 4 |
| 1716 | Microwave-promoted synthesis and biological activity of some 2-hetarylmethyl-4-(4-hetarylphenyl)-5-methyl-2,4-dihydro-3H-1,2,4-triazol-3-one derivatives. <i>Chemistry of Heterocyclic Compounds</i> , 2015, 51, 88-96. | 0.6 | 18 |
| 1717 | Catalytic Silylation of Dinitrogen with a Dicobalt Complex. <i>Journal of the American Chemical Society</i> , 2015, 137, 4638-4641. | 6.6 | 162 |
| 1718 | Efficient sodium bisulfite-catalyzed synthesis of benzothiazoles and their potential as ureases inhibitors. <i>RSC Advances</i> , 2015, 5, 28814-28821. | 1.7 | 23 |
| 1719 | Developing a Two-Step Heat Treatment for Inactivating Desiccation-Adapted <i>Salmonella</i> spp. in Aged Chicken Litter. <i>Foodborne Pathogens and Disease</i> , 2015, 12, 104-109. | 0.8 | 9 |
| 1720 | Synthesis, crystal structures, and urease inhibition of an acetohydroxamate-coordinated oxovanadium(V) complex derived from N -(3-bromo-2-hydroxybenzylidene)-4-methoxybenzohydrazide. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 1944-1949. | 1.4 | 42 |
| 1721 | The effect of a chemical additive on the fermentation and aerobic stability of high-moisture corn. <i>Journal of Dairy Science</i> , 2015, 98, 8904-8912. | 1.4 | 49 |
| 1722 | Effect of glycerol in combination with alfalfa on <i>in vitro</i> gas production and microbial protein synthesis. <i>Canadian Journal of Animal Science</i> , 2015, 95, 577-588. | 0.7 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1723 | Synthesis of 4-thiazolidinone analogs as potent in vitro anti-urease agents. <i>Bioorganic Chemistry</i> , 2015, 63, 123-131. | 2.0 | 85 |
| 1724 | Dose response to eugenol supplementation to dairy cow diets: Methane production, N excretion, ruminal fermentation, nutrient digestibility, milk production, and milk fatty acid profile. <i>Animal Feed Science and Technology</i> , 2015, 209, 51-59. | 1.1 | 23 |
| 1725 | Status of some fishery resources in a tropical mangrove estuary of Sarawak, Malaysia. <i>Marine Biology Research</i> , 2015, 11, 834-846. | 0.3 | 28 |
| 1726 | Andrographolide sodium bisulphite-induced inactivation of urease: inhibitory potency, kinetics and mechanism. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 238. | 3.7 | 15 |
| 1727 | Inhibition of <i>Helicobacter pylori</i> growth and its colonization factors by <i>Parthenium hysterophorus</i> extracts. <i>Journal of Ethnopharmacology</i> , 2015, 174, 253-260. | 2.0 | 11 |
| 1728 | Protein Engineering of a Nitrilase from <i>Burkholderia cenocepacia</i> J2315 for Efficient and Enantioselective Production of (R)- α -Chloromandelic Acid. <i>Applied and Environmental Microbiology</i> , 2015, 81, 8469-8477. | 1.4 | 24 |
| 1729 | Enhancing Efficacy of <i>Azotobacter</i> and <i>Bacillus</i> by Entrapping in Organic Matrix for Rice Cultivation. <i>Agroecology and Sustainable Food Systems</i> , 2015, 39, 907-923. | 1.0 | 9 |
| 1730 | Discovery of indole-based tetraarylimidazoles as potent inhibitors of urease with low antilipoxygenase activity. <i>European Journal of Medicinal Chemistry</i> , 2015, 102, 464-470. | 2.6 | 25 |
| 1731 | Silages of <i>Brachiaria brizantha</i> cv. Marandu harvested at two regrowth ages: Microbial inoculant responses in silage fermentation, ruminant digestion and beef cattle performance. <i>Animal Feed Science and Technology</i> , 2015, 208, 33-43. | 1.1 | 15 |
| 1732 | Improved docosahexaenoic acid production in <i>Aurantiochytrium</i> by glucose limited pH-auxostat fed-batch cultivation. <i>Bioresource Technology</i> , 2015, 196, 592-599. | 4.8 | 9 |
| 1733 | Linseed oil supplementation to dairy cows fed diets based on red clover silage or corn silage: Effects on methane production, rumen fermentation, nutrient digestibility, N balance, and milk production. <i>Journal of Dairy Science</i> , 2015, 98, 7993-8008. | 1.4 | 62 |
| 1734 | Dynamic HypA zinc site is essential for acid viability and proper urease maturation in <i>Helicobacter pylori</i> . <i>Metalomics</i> , 2015, 7, 674-682. | 1.0 | 26 |
| 1735 | Aconitase Functions as a Pleiotropic Posttranscriptional Regulator in <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , 2015, 197, 3076-3086. | 1.0 | 19 |
| 1736 | Effects of Chicken Litter Storage Time and Ammonia Content on Thermal Resistance of Desiccation-Adapted <i>Salmonella</i> spp. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6883-6889. | 1.4 | 19 |
| 1737 | Synthesis and structural characterization of Schiff base copper(II) complexes with <i>Helicobacter pylori</i> urease inhibitory activities. <i>Inorganica Chimica Acta</i> , 2015, 435, 299-304. | 1.2 | 26 |
| 1738 | Patterns of in vitro rumen fermentation of silage mixtures including sainfoin and red clover as bioactive legumes. <i>Animal Feed Science and Technology</i> , 2015, 208, 220-224. | 1.1 | 13 |
| 1739 | Synthesis and dynamics studies of barbituric acid derivatives as urease inhibitors. <i>Chemistry Central Journal</i> , 2015, 9, 63. | 2.6 | 23 |
| 1740 | Ammonium nitrate and iron nutrition effects on some nitrogen assimilation enzymes and metabolites in <i>Spirulina platensis</i> . <i>Biotechnology and Applied Biochemistry</i> , 2015, 62, 275-286. | 1.4 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1741 | Toxicity bioassays for water from black-odor rivers in Wenzhou, China. <i>Environmental Science and Pollution Research</i> , 2015, 22, 1731-1741. | 2.7 | 38 |
| 1742 | Elucidating multifaceted urease producing marine <i>Pseudomonas aeruginosa</i> BG as a cogent PGPR and bio-control agent. <i>Plant Growth Regulation</i> , 2015, 75, 253-263. | 1.8 | 52 |
| 1743 | Effects of potassium sorbate and sodium benzoate at two application rates on fermentation and aerobic stability of maize silage. <i>Grass and Forage Science</i> , 2015, 70, 491-498. | 1.2 | 34 |
| 1744 | 2-(Hetero(aryl)methylene)hydrazine-1-carbothioamides as Potent Urease Inhibitors. <i>Chemical Biology and Drug Design</i> , 2015, 85, 225-230. | 1.5 | 26 |
| 1745 | Synthesis and Reactivity of Molybdenum-Dinitrogen Complexes Bearing PNN-Type Pincer Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 100-104. | 0.6 | 23 |
| 1746 | Organic Waste as Fertilizer in Semi-Arid Soils and Restoration in Mine Sites. , 2016, , . | | 2 |
| 1747 | Nitrogen metabolism in sorghum under salinity and silicon treatments in Brazil. <i>African Journal of Agricultural Research Vol Pp</i> , 2016, 11, 199-208. | 0.2 | 4 |
| 1748 | Effects of hydrolysed yeasts on ruminal fermentation in the rumen simulation technique (Rusitec). <i>Veterinari Medicina</i> , 2016, 61, 195-203. | 0.2 | 8 |
| 1749 | Nitrogen compounds, proteins and amino acids in corn subjected to doses of aluminum. <i>African Journal of Agricultural Research Vol Pp</i> , 2016, 11, 1519-1524. | 0.2 | 7 |
| 1750 | A novel pig feed formulation containing <i>Aspergillus niger</i> CSA35 pretreated-cassava peels and its effect on growth and selected biochemical parameters of pigs. <i>African Journal of Biotechnology</i> , 2016, 15, 776-785. | 0.3 | 11 |
| 1751 | Nitrogenous compounds in hog plum plants (<i>Spondia mombin</i> L.) under water deficit. <i>African Journal of Agricultural Research Vol Pp</i> , 2016, 11, 572-582. | 0.2 | 1 |
| 1752 | Protective effects of extract and fraction of root- bark of <i>Garcinia kola</i> (Heckel) on the renal biochemical parameters of gentamicin-induced nephrotoxic rats. <i>African Journal of Biochemistry Research</i> , 2016, 10, 30-37. | 0.2 | 0 |
| 1753 | Jackfruit Membrane as New Biomaterials for Bio-Catalytic Application in Detection of Urea. <i>Journal of Biosensors & Bioelectronics</i> , 2016, 07, . | 0.4 | 1 |
| 1754 | Effects of <i>Streptococcus bovis</i> isolated from Bovine Rumen on the Fermentation Characteristics and Nutritive Value of Tanzania Grass Silage. <i>Scientific World Journal, The</i> , 2016, 2016, 1-6. | 0.8 | 5 |
| 1755 | Nitrogen Stimulates the Growth of Subsurface Basalt-associated Microorganisms at the Western Flank of the Mid-Atlantic Ridge. <i>Frontiers in Microbiology</i> , 2016, 7, 633. | 1.5 | 19 |
| 1756 | Supersaturation of Dissolved Hydrogen and Methane in Rumen of Tibetan Sheep. <i>Frontiers in Microbiology</i> , 2016, 7, 850. | 1.5 | 21 |
| 1757 | An Integrated Multi-Omics Approach Reveals the Effects of Supplementing Grass or Grass Hay with Vitamin E on the Rumen Microbiome and Its Function. <i>Frontiers in Microbiology</i> , 2016, 7, 905. | 1.5 | 20 |
| 1758 | Microbially Induced Calcite Precipitation Employing Environmental Isolates. <i>Materials</i> , 2016, 9, 468. | 1.3 | 28 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1759 | Soil abiotic and biotic controls on plant performance during primary succession in a glacial landscape. <i>Journal of Ecology</i> , 2016, 104, 1555-1565. | 1.9 | 61 |
| 1760 | Relationship of rumen fill and fermentation to diurnal and seasonal variation of herbage intake in dairy cows grazed on perennial ryegrass pasture. <i>Animal Science Journal</i> , 2016, 87, 1148-1156. | 0.6 | 1 |
| 1761 | Influence of a mixture of cinnamaldehyde and garlic oil on rumen fermentation, feeding behavior and performance of lactating dairy cows. <i>Animal Feed Science and Technology</i> , 2016, 219, 313-323. | 1.1 | 34 |
| 1762 | Suitability for Ready-to-Eat Processing and Preservation of Six Green and Red Baby Leaves Cultivars and Evaluation of Their Antioxidant Value during Storage and after the Expiration Date. <i>Journal of Food Processing and Preservation</i> , 2016, 40, 550-558. | 0.9 | 20 |
| 1763 | <i>In vitro</i> screening of natural feed additives from crustaceans, diatoms, seaweeds and plant extracts to manipulate rumen fermentation. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 3069-3078. | 1.7 | 47 |
| 1764 | Sources of chemical species in rainwater during monsoon and non-monsoonal periods over two mega cities in India and dominant source region of secondary aerosols. <i>Atmospheric Environment</i> , 2016, 146, 90-99. | 1.9 | 100 |
| 1765 | Effect of water-soluble carbohydrate content in orchardgrass pasture on grazing time and rumen fermentation in dairy cows. <i>Animal Science Journal</i> , 2016, 87, 1122-1129. | 0.6 | 4 |
| 1766 | Pre-deamidation of soy protein isolate exerts impacts on transglutaminase-induced glucosamine glycation and cross-linking as well as properties of the products. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 2418-2425. | 1.7 | 10 |
| 1767 | Induction of trap formation in nematode-trapping fungi by bacteria-released ammonia. <i>Letters in Applied Microbiology</i> , 2016, 62, 349-353. | 1.0 | 12 |
| 1768 | Herbage intake and ruminal digestion of dairy cows grazed on perennial ryegrass pasture either in the morning or evening. <i>Animal Science Journal</i> , 2016, 87, 997-1004. | 0.6 | 7 |
| 1769 | Exotic invasive plants increase productivity, abundance of ammonia-oxidizing bacteria and nitrogen availability in intermountain grasslands. <i>Journal of Ecology</i> , 2016, 104, 994-1002. | 1.9 | 66 |
| 1770 | Effect of increased concentrate allotment before evening grazing on herbage intake, nitrogen utilization and rumen fermentation in dairy cows grazed on perennial ryegrass pasture. <i>Animal Science Journal</i> , 2016, 87, 1233-1243. | 0.6 | 3 |
| 1771 | Iminothiazoline-Sulfonamide Hybrids as Jack Bean Urease Inhibitors; Synthesis, Kinetic Mechanism and Computational Molecular Modeling. <i>Chemical Biology and Drug Design</i> , 2016, 87, 434-443. | 1.5 | 38 |
| 1772 | 17. A 22:6 n-3 Rich Supplement Affects the Ruminal Microbial Community and Fermentation and Alters Plasma Metabolites. <i>Annals of Animal Science</i> , 2016, 16, 533-550. | 0.6 | 7 |
| 1773 | Effects of nitrogen availability on polyamic acid biosynthesis in the yeast-like fungus <i>Aureobasidium pullulans</i> . <i>Microbial Cell Factories</i> , 2016, 15, 146. | 1.9 | 31 |
| 1774 | Effects of quebracho tannin extract on rumen fermentation and yield and composition of microbial mass in heifers. <i>Journal of Animal Science</i> , 2016, 94, 1561-1575. | 0.2 | 24 |
| 1775 | Impact of reduced tillage and crop residue management on soil properties and crop yields in a long-term trial in western Kenya. <i>Soil Research</i> , 2016, 54, 719. | 0.6 | 4 |
| 1776 | Dryland Soil Greenhouse Gases and Yield-Scaled Emissions in No-Till and Organic Winter Wheat-Fallow Systems. <i>Soil Science Society of America Journal</i> , 2016, 80, 178-192. | 1.2 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1777 | Nutritional impact of crude glycerine infusion into the rumen of wethers fed a tropical or a temperate forage grass. <i>Journal of Agricultural Science</i> , 2016, 154, 1306-1316. | 0.6 | 1 |
| 1778 | Recovery capacity of the edible halophyte <i>Crithmum maritimum</i> from temporary salinity in relation to nutrient accumulation and nitrogen metabolism. <i>Biologia (Poland)</i> , 2016, 71, 1345-1352. | 0.8 | 2 |
| 1779 | Fresh-cut kale quality and shelf-life in relation to leaf maturity and storage temperature. <i>Acta Horticulturae</i> , 2016, , 109-116. | 0.1 | 8 |
| 1780 | Modeling ammonia accumulation and color changes of arugula (<i>Diplotaxis tenuifolia</i>) leaves in relation to temperature, storage time and cultivar. <i>Acta Horticulturae</i> , 2016, , 275-282. | 0.1 | 6 |
| 1781 | Methane emissions changed nonlinearly with graded substitution of alfalfa silage with corn silage and corn grain in the diet of sheep and relation with rumen fermentation characteristics in vivo and in vitro ^{1,2} . <i>Journal of Animal Science</i> , 2016, 94, 3464-3475. | 0.2 | 15 |
| 1782 | Environmental drivers of seasonal variation in green roof runoff water quality. <i>Ecological Engineering</i> , 2016, 91, 506-514. | 1.6 | 73 |
| 1783 | Effect of lipid supplementation on milk odd- and branched-chain fatty acids in dairy cows. <i>Journal of Dairy Science</i> , 2016, 99, 6311-6323. | 1.4 | 31 |
| 1784 | Effect of propolis in gastric disorders: inhibition studies on the growth of <i>Helicobacter pylori</i> and production of its urease. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 46-50. | 2.5 | 53 |
| 1785 | Anti-fungal potential of ozone against some dermatophytes. <i>Brazilian Journal of Microbiology</i> , 2016, 47, 697-702. | 0.8 | 57 |
| 1786 | Suitable gibberellic acid treatment for double-purpose rice (<i>Oryza sativa</i> L.) varieties at different harvest times. <i>Field Crops Research</i> , 2016, 193, 178-185. | 2.3 | 8 |
| 1787 | Agronomic traits, ensilability and nutritive value of five pearl millet cultivars grown in a Brazilian semi-arid region. <i>Journal of Agricultural Science</i> , 2016, 154, 165-173. | 0.6 | 11 |
| 1788 | Diet supplementation with cinnamon oil, cinnamaldehyde, or monensin does not reduce enteric methane production of dairy cows. <i>Animal</i> , 2016, 10, 418-425. | 1.3 | 34 |
| 1789 | Inter-linkage among some physico-chemical and biological factors in the tropical mangrove estuary. <i>Zoology and Ecology</i> , 2016, 26, 141-149. | 0.2 | 4 |
| 1790 | Teaching old compounds new tricks: efficient N ₂ fixation by simple Fe(N ₂)(diphosphine) ₂ complexes. <i>Dalton Transactions</i> , 2016, 45, 7550-7554. | 1.6 | 41 |
| 1791 | Inhibition properties of propolis extracts to some clinically important enzymes. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 52-55. | 2.5 | 36 |
| 1792 | Recycling of lipid-extracted hydrolysate as nitrogen supplementation for production of thraustochytrid biomass. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1105-1115. | 1.4 | 14 |
| 1793 | Synthesis of 2-acylated and sulfonated 4-hydroxycoumarins: In vitro urease inhibition and molecular docking studies. <i>Bioorganic Chemistry</i> , 2016, 66, 111-116. | 2.0 | 60 |
| 1794 | Nutrient recycling of lipid-extracted waste in the production of an oleaginous thraustochytrid. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 4711-4721. | 1.7 | 14 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1795 | Phosphorhydrazides as urease and acetylcholinesterase inhibitors: biological evaluation and QSAR study. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1213-1223. | 1.2 | 8 |
| 1796 | Effects of nitrogen on the lipid and carotenoid accumulation of oleaginous yeast <i>Sporidiobolus pararoseus</i> . <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1425-1433. | 1.7 | 35 |
| 1797 | Increasing linseed supply in dairy cow diets based on hay or corn silage: Effect on enteric methane emission, rumen microbial fermentation, and digestion. <i>Journal of Dairy Science</i> , 2016, 99, 3445-3456. | 1.4 | 66 |
| 1798 | Synthesis, crystal structure, and <i>Helicobacter pylori</i> urease inhibition of a dicyanoamide bridged Cu(I/II) complex. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2493-2499. | 0.8 | 9 |
| 1799 | Effects of maturity stage and lactic acid bacteria on the fermentation quality and aerobic stability of Siberian wildrye silage. <i>Food Science and Nutrition</i> , 2016, 4, 664-670. | 1.5 | 6 |
| 1800 | Effects of <i>Lactobacillus formosensis</i> S215 ^T and <i>Lactobacillus buchneri</i> on quality and <i>in vitro</i> ruminal biological activity of condensed tannins in sweet potato vines silage. <i>Journal of Applied Microbiology</i> , 2016, 121, 1242-1253. | 1.4 | 9 |
| 1801 | Effects of salt stress on the expression of key genes related to nitrogen assimilation and transport in the roots of the cultivated tomato and its wild salt-tolerant relative. <i>Scientia Horticulturae</i> , 2016, 211, 70-78. | 1.7 | 30 |
| 1802 | Nitrate Protects Cucumber Plants Against <i>Fusarium oxysporum</i> by Regulating Citrate Exudation. <i>Plant and Cell Physiology</i> , 2016, 57, 2001-2012. | 1.5 | 37 |
| 1803 | Biogeochemical drivers of microbial community convergence across actively retreating glaciers. <i>Soil Biology and Biochemistry</i> , 2016, 101, 74-84. | 4.2 | 42 |
| 1804 | Effect of dietary metabolizable protein level and live yeasts on ruminal fermentation and nitrogen utilization in lactating dairy cows on a high red clover silage diet. <i>Animal Feed Science and Technology</i> , 2016, 220, 73-82. | 1.1 | 14 |
| 1805 | Solution-phase microwave assisted parallel synthesis, biological evaluation and <i>in silico</i> docking studies of N,N ² -disubstituted thioureas derived from 3-chlorobenzoic acid. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4452-4463. | 1.4 | 31 |
| 1806 | Enzyme and inhibition assay of urease by continuous monitoring of the ammonium formation based on capillary electrophoresis. <i>Electrophoresis</i> , 2016, 37, 2692-2698. | 1.3 | 11 |
| 1807 | Effect of sodium chloride, sodium sulfate or sodium nitrite in drinking water on intake, digestion, growth rate, carcass traits and meat quality of Barbarine lamb. <i>Small Ruminant Research</i> , 2016, 143, 43-52. | 0.6 | 18 |
| 1808 | Nutrients leaching from green leaves of three potential agroforestry tree species. <i>Agroforestry Systems</i> , 2018, 92, 389. | 0.9 | 3 |
| 1809 | Influence of rumen contents TM processing method on microbial populations in the fluid and subsequent <i>in vitro</i> fermentation of substrates of variable composition. <i>Animal Feed Science and Technology</i> , 2016, 220, 109-120. | 1.1 | 3 |
| 1810 | Synthesis and urease inhibitory activities of benzophenone semicarbazones/thiosemicarbazones. <i>Medicinal Chemistry Research</i> , 2016, 25, 2666-2679. | 1.1 | 24 |
| 1811 | 1,2-Benzisosenazol-3(2 <i>H</i>)-one Derivatives As a New Class of Bacterial Urease Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 8125-8133. | 2.9 | 82 |
| 1812 | A study of the structure-activity relationship of oligomeric ellagitannins on ruminal fermentation <i>in vitro</i> . <i>Journal of Dairy Science</i> , 2016, 99, 8041-8052. | 1.4 | 28 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1813 | Ruminal methanogens and bacteria populations in sheep are modified by a tropical environment. <i>Animal Feed Science and Technology</i> , 2016, 220, 226-236. | 1.1 | 5 |
| 1814 | Physicochemical and structural characterization of biosurfactant produced by <i>Pleurotus djamor</i> in solid-state fermentation. <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 430-438. | 1.4 | 26 |
| 1815 | Water balance and N-metabolism in broccoli (<i>Brassica oleracea</i> L. var. <i>Italica</i>) plants depending on nitrogen source under salt stress and elevated CO ₂ . <i>Science of the Total Environment</i> , 2016, 571, 763-771. | 3.9 | 29 |
| 1816 | A comparative study of the antihyaluronidase, antiurease, antioxidant, antimicrobial and physicochemical properties of different unifloral degrees of chestnut (<i>Castanea sativa</i> Mill.) honeys. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 96-104. | 2.5 | 45 |
| 1817 | Synthesis and biological evaluation of new Mannich and Schiff bases containing 1,2,4-triazole and 1,3,4-oxadiazole nucleus. <i>Medicinal Chemistry Research</i> , 2016, 25, 1958-1970. | 1.1 | 13 |
| 1818 | 3-Arylpropionylhydroxamic acid derivatives as <i>Helicobacter pylori</i> urease inhibitors: Synthesis, molecular docking and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4519-4527. | 1.4 | 45 |
| 1819 | Synthesis, Enzyme Inhibition, and Molecular Docking Studies of Hydrazones from Dichlorophenylacetic Acids. <i>Journal of the Chinese Chemical Society</i> , 2016, 63, 1015-1021. | 0.8 | 2 |
| 1820 | Efficient biosynthesis of L-alanine with a tandem reaction strategy to eliminate amide by-product in the nitrilase-catalyzed hydrolysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S60-S67. | 1.8 | 2 |
| 1821 | Archaea catalyze iron-dependent anaerobic oxidation of methane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12792-12796. | 3.3 | 470 |
| 1822 | Catalytic transformation of dinitrogen into ammonia and hydrazine by iron-dinitrogen complexes bearing pincer ligand. <i>Nature Communications</i> , 2016, 7, 12181. | 5.8 | 244 |
| 1823 | Bioactive compounds, aucubin and acteoside, in plantain (<i>Plantago lanceolata</i> L.) and their effect on in vitro rumen fermentation. <i>Animal Feed Science and Technology</i> , 2016, 222, 158-167. | 1.1 | 59 |
| 1824 | Developing a genetic manipulation system for the Antarctic archaeon, <i>Haloquadratum walsbyi</i> : investigating acetamidase gene function. <i>Scientific Reports</i> , 2016, 6, 34639. | 1.6 | 18 |
| 1825 | Effect of purple prairie clover (<i>Dalea purpurea</i> Vent.) hay and its condensed tannins on growth performance, wool growth, nutrient digestibility, blood metabolites and ruminal fermentation in lambs fed total mixed rations. <i>Animal Feed Science and Technology</i> , 2016, 222, 100-110. | 1.1 | 40 |
| 1826 | Accuracy of Rapid Tests Used for Analysis of Advanced Onsite Wastewater Treatment System Effluent. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1. | 1.1 | 7 |
| 1827 | Forest restoration treatments have subtle long-term effects on soil C and N cycling in mixed conifer forests. <i>Ecological Applications</i> , 2016, 26, 1503-1516. | 1.8 | 17 |
| 1828 | Effects of methanolic fruit extract of <i>Solanum macrocarpum</i> L. (Solanaceae) on biochemical profile of albino rats (<i>Rattus norvegicus</i>). <i>Comparative Clinical Pathology</i> , 2016, 25, 67-73. | 0.3 | 1 |
| 1829 | Sorption/Desorption Behavior and Mechanism of NH ₄ ⁺ by Biochar as a Nitrogen Fertilizer Sustained-Release Material. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4958-4964. | 2.4 | 86 |
| 1830 | Controlling the transcription levels of <i>argGH</i> redistributed <i>argR</i> -arginine metabolic flux in <i>N-acetylglutamate kinase</i> and <i>ArgR</i> -deregulated <i>Corynebacterium crenatum</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 55-66. | 1.4 | 10 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1831 | Plant species richness enhances nitrogen retention in green roof plots. <i>Ecological Applications</i> , 2016, 26, 2130-2144. | 1.8 | 26 |
| 1832 | Inhibition of <i>Helicobacter pylori</i> and Its Associate Urease by Labdane Diterpenoids Isolated from <i>Andrographis paniculata</i> . <i>Phytotherapy Research</i> , 2016, 30, 412-417. | 2.8 | 13 |
| 1833 | <i>In vitro</i> fermentation of total mixed diets differing in concentrate proportion: relative effects of inocula and substrates. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 160-168. | 1.7 | 8 |
| 1834 | Impairment of rumen biohydrogenation and bacteria of the <i>Butyrivibrio</i> group in the rumen of goats through a 20:5 n-3 (EPA) rich supplement. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 474-483. | 1.7 | 6 |
| 1835 | Development of bis-thiobarbiturates as successful urease inhibitors and their molecular modeling studies. <i>Chinese Chemical Letters</i> , 2016, 27, 693-697. | 4.8 | 53 |
| 1836 | NaCl-induced changes of ion homeostasis and nitrogen metabolism in two sweet potato (<i>Ipomoea</i>) Tj ETQq1 1 0.784314 rgBT /Overl... <i>Experimental Botany</i> , 2016, 129, 23-36. | 2.0 | 70 |
| 1837 | Black carbon in cloud-water and rain water during monsoon season at a high altitude station in India. <i>Atmospheric Environment</i> , 2016, 129, 256-264. | 1.9 | 20 |
| 1838 | Ammonium improves tolerance to salinity stress in <i>Sorghum bicolor</i> plants. <i>Plant Growth Regulation</i> , 2016, 78, 121-131. | 1.8 | 61 |
| 1839 | Fed-batch production of poly-3-hydroxydecanoate from decanoic acid. <i>Journal of Biotechnology</i> , 2016, 218, 102-107. | 1.9 | 30 |
| 1840 | Identifying the limitations of conventional biofiltration of diffuse methane emissions at long-term operation. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 1947-1958. | 1.2 | 17 |
| 1841 | Multiple-Step Humidity-Induced Single-Crystal to Single-Crystal Transformations of a Cobalt Phosphonate: Structural and Proton Conductivity Studies. <i>Inorganic Chemistry</i> , 2016, 55, 3706-3712. | 1.9 | 49 |
| 1842 | Production, composition, and oxidative stability of milk highly enriched in polyunsaturated fatty acids from dairy cows fed alfalfa protein concentrate or supplemental vitamin E. <i>Journal of Dairy Science</i> , 2016, 99, 4411-4426. | 1.4 | 28 |
| 1843 | Hybrid benzothiazole analogs as antiurease agent: Synthesis and molecular docking studies. <i>Bioorganic Chemistry</i> , 2016, 66, 80-87. | 2.0 | 51 |
| 1844 | Synthesis, structures and <i>Helicobacter pylori</i> urease inhibitory activity of copper(II) complexes with tridentate aroylhydrazone ligands. <i>Journal of Inorganic Biochemistry</i> , 2016, 159, 22-28. | 1.5 | 52 |
| 1845 | Lactation performance of dairy cows fed yeast-derived microbial protein in low- and high-forage diets. <i>Journal of Dairy Science</i> , 2016, 99, 2775-2787. | 1.4 | 9 |
| 1846 | High-throughput screening methods for nitrilases. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3421-3432. | 1.7 | 23 |
| 1847 | Inhibition studies of <i>Helicobacter pylori</i> urease with Schiff base copper(II) complexes. <i>RSC Advances</i> , 2016, 6, 16679-16690. | 1.7 | 38 |
| 1848 | Characterization of three types of inhibition and their recovery processes in an anammox UASB reactor. <i>Biochemical Engineering Journal</i> , 2016, 109, 212-221. | 1.8 | 45 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1849 | Preliminary Evaluation of Seaweed Application Effects on Soil Quality and Yield of Sweet Corn (<i>Zea mays</i>) in a Semi-Arid Region of Brazil. <i>Journal of Agricultural Science</i> , 2016, 150, 1-8. | 0.6 | 12 |
| 1850 | Evaluation of the impact on food safety of a <i>Lactobacillus coryniformis</i> strain from pickled vegetables with degradation activity against nitrite and other undesirable compounds. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016, 33, 1-8. | 1.1 | 11 |
| 1851 | Effect of supplementation of beef cattle with different protein levels and degradation rates during transition from the dry to rainy season. <i>Tropical Animal Health and Production</i> , 2016, 48, 95-101. | 0.5 | 8 |
| 1852 | Thermodynamic study of competitive inhibitors' binding to urease. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 2427-2439. | 2.0 | 16 |
| 1853 | Comparison of <i>Helicobacter pylori</i> Urease Inhibition by <i>Rhizoma Coptidis</i> , <i>Cortex Phellodendri</i> and <i>Berberine</i> : Mechanisms of Interaction with the Sulfhydryl Group. <i>Planta Medica</i> , 2016, 82, 305-311. | 0.7 | 31 |
| 1854 | Temporal distribution of water characteristics in the Miri estuary, east Malaysia. <i>Zoology and Ecology</i> , 2016, 26, 134-140. | 0.2 | 12 |
| 1855 | Electrochemical conversion of dinitrogen to ammonia induced by a metal complex-supported ionic liquid. <i>Electrochemistry Communications</i> , 2016, 67, 6-10. | 2.3 | 31 |
| 1856 | Expression, characterization of a novel nitrilase PpL19 from <i>Pseudomonas psychrotolerans</i> with S-selectivity toward mandelonitrile present in active inclusion bodies. <i>Biotechnology Letters</i> , 2016, 38, 455-461. | 1.1 | 7 |
| 1857 | Bromochloromethane, a Methane Analogue, Affects the Microbiota and Metabolic Profiles of the Rat Gastrointestinal Tract. <i>Applied and Environmental Microbiology</i> , 2016, 82, 778-787. | 1.4 | 21 |
| 1858 | Effects of supplementation of active dried yeast and malate during sub-acute ruminal acidosis on rumen fermentation, microbial population, selected blood metabolites, and milk production in dairy cows. <i>Animal Feed Science and Technology</i> , 2016, 213, 29-43. | 1.1 | 44 |
| 1859 | Dihydropyrimidine based hydrazine dihydrochloride derivatives as potent urease inhibitors. <i>Bioorganic Chemistry</i> , 2016, 64, 85-96. | 2.0 | 35 |
| 1860 | Synthesis, characterization and urease inhibition, in vitro anticancer and antileishmanial studies of Co(III) complexes with N,N,N'-trisubstituted acylthioureas. <i>Inorganica Chimica Acta</i> , 2016, 443, 69-77. | 1.2 | 48 |
| 1861 | Feasibility of using brewery wastewater for biodiesel production and nutrient removal by <i>Scenedesmus dimorphus</i> . <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 1568-1581. | 1.2 | 37 |
| 1862 | Synthesis, structures and urease inhibitory activity of cobalt(III) complexes with Schiff bases. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 270-276. | 1.4 | 45 |
| 1863 | A combined temperature-pH study of urease kinetics. Assigning pKa values to ionizable groups of the active site involved in the catalytic reaction. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 124, 70-76. | 1.8 | 27 |
| 1864 | Evaluation of physicochemical and biological properties of chitosan/poly (vinyl alcohol) polymer blend membranes and their correlation for Vero cell growth. <i>Carbohydrate Polymers</i> , 2016, 137, 576-583. | 5.1 | 15 |
| 1865 | Effect of maturity and hybrid on ruminal and intestinal digestion of corn silage in dry cows. <i>Journal of Dairy Science</i> , 2016, 99, 258-268. | 1.4 | 12 |
| 1866 | Molecular structure investigation and biological evaluation of Michael adducts derived from dimedone. <i>Research on Chemical Intermediates</i> , 2016, 42, 4041-4053. | 1.3 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1867 | Direct quantification of long-term rock nitrogen inputs to temperate forest ecosystems. <i>Ecology</i> , 2016, 97, 54-64. | 1.5 | 28 |
| 1868 | Changes in nutrient composition and <i>in vitro</i> ruminal fermentation of total mixed ration silage stored at different temperatures and periods. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 1175-1180. | 1.7 | 27 |
| 1869 | Effects of dietary supplementation with Î²-glucan and synbiotics on growth, haemolymph chemistry, and intestinal microbiota and morphology in the Pacific white shrimp. <i>Aquaculture Nutrition</i> , 2016, 22, 837-845. | 1.1 | 50 |
| 1870 | Effects of water level fluctuation and sediment-water nutrient exchange on phosphorus biogeochemistry in two coastal wetlands. <i>Aquatic Sciences</i> , 2017, 79, 57-72. | 0.6 | 13 |
| 1871 | Effect of chickpea husk dietary supplementation on blood and cecal parameters in rats. <i>Animal Science Journal</i> , 2017, 88, 372-378. | 0.6 | 15 |
| 1872 | Phytotoxicity of aminobisphosphonates targeting both <i>1</i> -pyrroline-5-carboxylate reductase and glutamine synthetase. <i>Pest Management Science</i> , 2017, 73, 435-443. | 1.7 | 22 |
| 1873 | Protection of sunflower seed and sunflower meal protein with malic acid and heat: effects on <i>in vitro</i> ruminal fermentation and methane production. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 350-356. | 1.7 | 8 |
| 1874 | Tea saponin reduced methanogenesis <i>in vitro</i> but increased methane yield in lactating dairy cows. <i>Journal of Dairy Science</i> , 2017, 100, 1845-1855. | 1.4 | 31 |
| 1875 | Effect of feeding complete feed block containing rumen protected protein, non-protein nitrogen and rumen protected fat on improving body condition and carcass traits of cull ewes. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017, 101, 1147-1158. | 1.0 | 8 |
| 1876 | Influence of protein fermentation and carbohydrate source on <i>in vitro</i> methane production. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017, 101, e288-e296. | 1.0 | 13 |
| 1877 | Decadal effects of high CO ₂ concentration on soil nitrogen dynamics at a natural CO ₂ spring. <i>Ecological Research</i> , 2017, 32, 215-225. | 0.7 | 3 |
| 1878 | Epiberberine, a natural protoberberine alkaloid, inhibits urease of <i>Helicobacter pylori</i> and jack bean: Susceptibility and mechanism. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 110, 77-86. | 1.9 | 56 |
| 1879 | Ginkgo fruit extract as an additive to modify rumen microbiota and fermentation and to mitigate methane production. <i>Journal of Dairy Science</i> , 2017, 100, 1923-1934. | 1.4 | 41 |
| 1880 | Antioxidant molecular targets of wheat bran fermented by white rot fungi and its potential modulation of antioxidative status in broiler chickens. <i>British Poultry Science</i> , 2017, 58, 262-271. | 0.8 | 21 |
| 1881 | Inhibition of Urease Enzyme Production and some Other Virulence Factors Expression in <i>Proteus mirabilis</i> by N-Acetyl Cysteine and Dipropyl Disulphide. <i>Advances in Experimental Medicine and Biology</i> , 2017, 973, 99-113. | 0.8 | 10 |
| 1882 | Effect of dietary roughage level on chewing activity, ruminal pH, and saliva secretion in lactating Holstein cows. <i>Journal of Dairy Science</i> , 2017, 100, 2660-2671. | 1.4 | 42 |
| 1883 | Effect of vinasse (condensed molasses solubles) on performance and meat chemical composition of Holstein male calves. <i>Italian Journal of Animal Science</i> , 2017, 16, 515-520. | 0.8 | 11 |
| 1884 | Methane production, ruminal fermentation characteristics, nutrient digestibility, nitrogen excretion, and milk production of dairy cows fed conventional or brown midrib corn silage. <i>Journal of Dairy Science</i> , 2017, 100, 2625-2636. | 1.4 | 31 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1885 | Enhanced Production of Poly- γ -glutamic Acid by <i>Bacillus licheniformis</i> TISTR 1010 with Environmental Controls. <i>Applied Biochemistry and Biotechnology</i> , 2017, 182, 990-999. | 1.4 | 25 |
| 1886 | Limited effectiveness of over-the-counter plant preparations used for the treatment of urinary tract infections as inhibitors of the urease activity from <i>Staphylococcus saprophyticus</i> . <i>Journal of Applied Microbiology</i> , 2017, 122, 1380-1388. | 1.4 | 9 |
| 1887 | Expression of an Acid Urease with Urethanase Activity in <i>E. coli</i> and Analysis of Urease Gene. <i>Molecular Biotechnology</i> , 2017, 59, 84-97. | 1.3 | 13 |
| 1888 | Facile synthesis, biological evaluation and molecular docking studies of novel substituted azole derivatives. <i>Journal of Molecular Structure</i> , 2017, 1138, 177-191. | 1.8 | 13 |
| 1889 | Effect of varying the energy density on growth performance, meat quality, caecum fermentation and microbiota of growing Rex rabbits. <i>Animal Production Science</i> , 2017, 57, 90. | 0.6 | 4 |
| 1890 | Effect of calcium salts of polyunsaturated fatty acids with different particle sizes on lactation performance and milk fatty acid profile in dairy cows. <i>Animal Feed Science and Technology</i> , 2017, 228, 102-114. | 1.1 | 1 |
| 1891 | Effects of conservation method and crushing method of rice grain on rumen fermentation and nutrient digestibility in steers. <i>Animal Feed Science and Technology</i> , 2017, 227, 75-83. | 1.1 | 12 |
| 1892 | Rumen microbial and fermentation characteristics are affected differently by acarbose addition during two nutritional types of simulated severe subacute ruminal acidosis <i>in vitro</i> . <i>Anaerobe</i> , 2017, 47, 39-46. | 1.0 | 4 |
| 1893 | Thermal Resistance and Gene Expression of both Desiccation-Adapted and Rehydrated <i>Salmonella enterica</i> Serovar Typhimurium Cells in Aged Broiler Litter. <i>Applied and Environmental Microbiology</i> , 2017, 83, . | 1.4 | 42 |
| 1894 | Association of CDKAL1 gene rs7756992 A/G polymorphism with type 2 diabetes mellitus and diabetic nephropathy in the Egyptian population. <i>Gene Reports</i> , 2017, 7, 142-146. | 0.4 | 3 |
| 1895 | Influence of malic acid-heat treatment for protecting sunflower protein against ruminal degradation on <i>in vitro</i> methane production: A comparison with the use of malic acid as an additive. <i>Animal Feed Science and Technology</i> , 2017, 228, 123-131. | 1.1 | 7 |
| 1896 | Laboratory <i>vs in situ</i> resin core methods to estimate net nitrogen mineralization for comparison of rotation and tillage practices. <i>Journal of Plant Nutrition and Soil Science</i> , 2017, 180, 294-301. | 1.1 | 7 |
| 1897 | Replacement of mustard oil cake by urea in short-term strategic feeding of cull ewes to improve body condition and carcass traits. <i>Animal Production Science</i> , 2017, 57, 849. | 0.6 | 1 |
| 1898 | Long chain 1-acyl-3-arylthioureas as jack bean urease inhibitors, synthesis, kinetic mechanism and molecular docking studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 77, 54-63. | 2.7 | 31 |
| 1899 | Supplementing high-quality fresh forage to growing lambs fed a total mixed ration diet led to higher intake without altering nutrient utilization. <i>Animal</i> , 2017, 11, 2175-2183. | 1.3 | 7 |
| 1900 | <i>OsSE5</i> -cysteine desulfhydrase-related H ₂ S production is involved in promoted ammonium tolerance in roots of <i>Oryza sativa</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 1777-1790. | 2.8 | 28 |
| 1901 | Metabolomic changes and metabolic responses to expression of heterologous biosynthetic genes for lycopene production in <i>Yarrowia lipolytica</i> . <i>Journal of Biotechnology</i> , 2017, 251, 174-185. | 1.9 | 15 |
| 1902 | Milk fatty acid profile in cows fed red clover- or alfalfa-silage based diets differing in rumen-degradable protein supply. <i>Animal Feed Science and Technology</i> , 2017, 223, 59-72. | 1.1 | 9 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1903 | Preliminary modeling of the visual quality of broccoli along the cold chain. <i>Engineering in Agriculture, Environment and Food</i> , 2017, 10, 109-114. | 0.2 | 2 |
| 1904 | Synthesis, molecular structure, quantum mechanical studies and urease inhibition assay of two new isatin derived sulfonylhydrazides. <i>Journal of Molecular Structure</i> , 2017, 1133, 80-89. | 1.8 | 26 |
| 1905 | Complementarities between grasses and forage legumes from temperate and subtropical areas on in vitro rumen fermentation characteristics. <i>Animal Feed Science and Technology</i> , 2017, 228, 178-185. | 1.1 | 20 |
| 1906 | Production of ligninolytic enzymes by solid state fermentation using <i>Pleurotus ostreatus</i> . <i>Annals of Agrarian Science</i> , 2017, 15, 273-277. | 1.2 | 73 |
| 1907 | Synthesis, characterization and antiurease activities of a novel Mannich base 1-[(4-methoxyphenyl)(2-methylidenecyclohexyl)methyl]pyrrolidine (MMP) and its complexes with Cu (II), Ni (II), Co (II), and Fe (II) ions. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 1418-1423. | 0.9 | 3 |
| 1908 | A novel nitrilase from <i>Ralstonia eutropha</i> H16 and its application to nicotinic acid production. <i>Bioprocess and Biosystems Engineering</i> , 2017, 40, 1271-1281. | 1.7 | 14 |
| 1909 | Polyamine and tyramine involvement in NaCl-induced improvement of Cd resistance in the halophyte <i>Inula chrithmoides</i> L.. <i>Journal of Plant Physiology</i> , 2017, 216, 136-144. | 1.6 | 18 |
| 1910 | Soil properties and gross nitrogen dynamics in old growth and secondary forest in four types of tropical forest in Thailand. <i>Forest Ecology and Management</i> , 2017, 398, 130-139. | 1.4 | 14 |
| 1911 | Nickel Sequestration by the Host-Defense Protein Human Calprotectin. <i>Journal of the American Chemical Society</i> , 2017, 139, 8828-8836. | 6.6 | 99 |
| 1912 | Modulation of ruminal fermentation profile and microbial abundance in cows fed diets treated with lactic acid, without or with inorganic phosphorus supplementation. <i>Animal Feed Science and Technology</i> , 2017, 230, 1-12. | 1.1 | 13 |
| 1913 | Cladolosides I 1 , I 2 , J 1 , K 1 , K 2 and L 1, monosulfated triterpene glycosides with new carbohydrate chains from the sea cucumber <i>Cladolabes schmeltzii</i> . <i>Carbohydrate Research</i> , 2017, 445, 80-87. | 1.1 | 10 |
| 1914 | Effects of solid-state fermented wheat bran by <i>Bacillus amyloliquefaciens</i> and <i>Saccharomyces cerevisiae</i> on growth performance and intestinal microbiota in broiler chickens. <i>Italian Journal of Animal Science</i> , 2017, 16, 552-562. | 0.8 | 24 |
| 1915 | Prevalence of ammonia-oxidizing bacteria over ammonia-oxidizing archaea in sediments as related to nutrient loading in Chinese aquaculture ponds. <i>Journal of Soils and Sediments</i> , 2017, 17, 1928-1938. | 1.5 | 17 |
| 1916 | Synthesis and Reactivity of Iron ^{II} and Cobalt ^{II} Dinitrogen Complexes Bearing PSiP-type Pincer Ligands toward Nitrogen Fixation. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3769-3778. | 1.0 | 70 |
| 1917 | [Fe ₄] and [Fe ₆] Hydride Clusters Supported by Phosphines: Synthesis, Characterization, and Application in N ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2017, 139, 5596-5606. | 6.6 | 92 |
| 1918 | Remarkable catalytic activity of dinitrogen-bridged dimolybdenum complexes bearing NHC-based PCP-pincer ligands toward nitrogen fixation. <i>Nature Communications</i> , 2017, 8, 14874. | 5.8 | 198 |
| 1919 | Can by-products replace conventional ingredients in concentrate of dairy goat diet?. <i>Journal of Dairy Science</i> , 2017, 100, 4500-4512. | 1.4 | 38 |
| 1920 | Molecular docking, molecular dynamics simulation, biological evaluation and 2D QSAR analysis of flavonoids from <i>Syzygium alternifolium</i> as potent anti- <i>Helicobacter pylori</i> agents. <i>RSC Advances</i> , 2017, 7, 18277-18292. | 1.7 | 60 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1921 | Selection of indigenous indicator micro-organisms for validating desiccation-adapted <i>Salmonella</i> reduction in physically heat-treated poultry litter. <i>Journal of Applied Microbiology</i> , 2017, 122, 1558-1569. | 1.4 | 3 |
| 1922 | An expedient synthesis of N -((5-mercapto-4-(substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 712 Td (b... free radical scavengers: Kinetic mechanism and molecular docking studies. <i>Chemical Biology and Drug Design</i> , 2017, 90, 764-777. | 1.5 | 20 |
| 1923 | Including chicory or plantain in a perennial ryegrass/white clover-based diet of dairy cattle in late lactation: Feed intake, milk production and rumen digestion. <i>Animal Feed Science and Technology</i> , 2017, 227, 52-61. | 1.1 | 43 |
| 1924 | No-tillage culture and nitrogen fertilizer management for burley tobacco production. <i>Journal of Agricultural Science</i> , 2017, 155, 599-612. | 0.6 | 7 |
| 1925 | In vitro ruminal fermentation and methane production of different seaweed species. <i>Animal Feed Science and Technology</i> , 2017, 228, 1-12. | 1.1 | 41 |
| 1926 | Utilization of urea by leaves of bromeliad <i>Vriesea gigantea</i> under water deficit: much more than a nitrogen source. <i>Biologia Plantarum</i> , 2017, 61, 751-762. | 1.9 | 6 |
| 1927 | Fertility enhancing activity and toxicity profile of aqueous extract of <i>Chasmanthera</i> depends on roots in male rats. <i>Andrologia</i> , 2017, 49, e12775. | 1.0 | 7 |
| 1928 | Accumulation of camptothecin and 10-hydroxycamptothecin and the transcriptional expression of camptothecin biosynthetic genes in <i>Camptotheca acuminata</i> cambial meristematic and dedifferentiated cells. <i>RSC Advances</i> , 2017, 7, 12185-12193. | 1.7 | 13 |
| 1929 | Soil organic matter, greenhouse gases and net global warming potential of irrigated conventional, reduced-tillage and organic cropping systems. <i>Nutrient Cycling in Agroecosystems</i> , 2017, 107, 49-62. | 1.1 | 25 |
| 1930 | Mixed-matrix membranes for efficient ammonium removal from wastewaters. <i>Journal of Membrane Science</i> , 2017, 526, 147-155. | 4.1 | 45 |
| 1931 | Conventional and microwave irradiated synthesis, biological activity evaluation and molecular docking studies of highly substituted piperazine-azole hybrids. <i>Chinese Chemical Letters</i> , 2017, 28, 995-1005. | 4.8 | 33 |
| 1932 | Exploring secondary-sphere interactions in Fe^{II} - N_2 - H_2 complexes relevant to N_2 fixation. <i>Chemical Science</i> , 2017, 8, 2321-2328. | 3.7 | 57 |
| 1933 | Isolation, characterization, and <i>in silico</i> , <i>in vitro</i> and <i>in vivo</i> antiulcer studies of isoimperatorin crystallized from <i>Ostericum koreanum</i> . <i>Pharmaceutical Biology</i> , 2017, 55, 218-226. | 1.3 | 26 |
| 1934 | Associative effects between fresh perennial ryegrass and white clover on dynamics of intake and digestion in sheep. <i>Grass and Forage Science</i> , 2017, 72, 691-699. | 1.2 | 13 |
| 1935 | Effect of feeding whole-crop corn silage as dietary roughage on physiological and digestive response of sheep under heat exposure. <i>Animal Production Science</i> , 2017, 57, 505. | 0.6 | 0 |
| 1936 | Nutrient limitation of soil microbial activity during the earliest stages of ecosystem development. <i>Oecologia</i> , 2017, 185, 513-524. | 0.9 | 58 |
| 1937 | Soil pH is a major driver of soil diazotrophic community assembly in Qinghai-Tibet Alpine meadows. <i>Soil Biology and Biochemistry</i> , 2017, 115, 547-555. | 4.2 | 132 |
| 1938 | Biochemical Evaluation of Copper Compounds Derived from O- and N/O- Donor Ligands. <i>Pharmaceutical Chemistry Journal</i> , 2017, 51, 272-276. | 0.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1939 | Bioremediation of lead-contaminated mine waste by <i>Pararhodobacter</i> sp. based on the microbially induced calcium carbonate precipitation technique and its effects on strength of coarse and fine grained sand. <i>Ecological Engineering</i> , 2017, 109, 57-64. | 1.6 | 110 |
| 1940 | 3,4-Dimethoxybenzohydrazide derivatives as antiulcer: Molecular modeling and density functional studies. <i>Bioorganic Chemistry</i> , 2017, 75, 235-241. | 2.0 | 7 |
| 1941 | Growing Food with Garbage: Effects of Six Waste Amendments on Soil and Vegetable Crops. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2017, 52, 896-904. | 0.5 | 4 |
| 1942 | First report of urease activity in the novel systemic fungal pathogen <i>Emergomyces africanus</i> : a comparison with the neurotrope <i>Cryptococcus neoformans</i> . <i>FEMS Yeast Research</i> , 2017, 17, . | 1.1 | 11 |
| 1943 | Production of a novel medium chain length poly(3-hydroxyalkanoate) using unprocessed biodiesel waste and its evaluation as a tissue engineering scaffold. <i>Microbial Biotechnology</i> , 2017, 10, 1384-1399. | 2.0 | 40 |
| 1944 | Barcoded NS31/AML2 primers for sequencing of arbuscular mycorrhizal communities in environmental samples. <i>Applications in Plant Sciences</i> , 2017, 5, 1700017. | 0.8 | 31 |
| 1945 | Syntheses of 4,6-dihydropyrimidine diones, their urease inhibition, in vitro, in silico, and kinetic studies. <i>Bioorganic Chemistry</i> , 2017, 75, 317-331. | 2.0 | 12 |
| 1946 | Electrochemical Evaluation of Titanocenes in Ionic Liquids with Non-coordinating and Coordinating Anions and Application for NH ₃ Synthesis. <i>ChemElectroChem</i> , 2017, 4, 3053-3060. | 1.7 | 9 |
| 1947 | Molecular hydrogen generated by elemental magnesium supplementation alters rumen fermentation and microbiota in goats. <i>British Journal of Nutrition</i> , 2017, 118, 401-410. | 1.2 | 26 |
| 1948 | Evaluation of Nitrogen Concentration in Final Effluent of Advanced Nitrogen-Removal Onsite Wastewater Treatment Systems (OWTS). <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1. | 1.1 | 19 |
| 1949 | Lineage overwhelms environmental conditions in determining rhizosphere bacterial community structure in a cosmopolitan invasive plant. <i>Nature Communications</i> , 2017, 8, 433. | 5.8 | 99 |
| 1950 | Design, synthesis, in vitro Evaluation and docking studies on dihydropyrimidine-based urease inhibitors. <i>Bioorganic Chemistry</i> , 2017, 74, 53-65. | 2.0 | 30 |
| 1951 | The dynamics of the bacterial communities developed in maize silage. <i>Microbial Biotechnology</i> , 2017, 10, 1663-1676. | 2.0 | 77 |
| 1952 | Seasonal variation of chemical composition and source apportionment of PM _{2.5} in Pune, India. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21065-21072. | 2.7 | 28 |
| 1953 | Studies on new urease inhibitors by using biochemical, STD-NMR spectroscopy, and molecular docking methods. <i>Medicinal Chemistry Research</i> , 2017, 26, 2452-2467. | 1.1 | 7 |
| 1954 | Effect of ginkgo extract supplementation on <i>in vitro</i> rumen fermentation and bacterial profiles under different dietary conditions. <i>Animal Science Journal</i> , 2017, 88, 1737-1743. | 0.6 | 10 |
| 1955 | An increase in corn resistant starch decreases protein fermentation and modulates gut microbiota during <i>in vitro</i> cultivation of pig large intestinal inocula. <i>Animal Nutrition</i> , 2017, 3, 219-224. | 2.1 | 33 |
| 1956 | Catalytic Nitrogen Fixation via Direct Cleavage of Nitrogen-Nitrogen Triple Bond of Molecular Dinitrogen under Ambient Reaction Conditions. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 1111-1118. | 2.0 | 156 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1957 | Digestibility of common reed (<i>Phragmites communis</i> Trin.) silage as ruminant feed and effects of inclusion levels in the diet of breeding cows on feed intake, ruminal fermentation and blood metabolites. <i>Animal Science Journal</i> , 2017, 88, 1955-1962. | 0.6 | 6 |
| 1958 | Effects of Disodium Fumarate on In Vitro Rumen Fermentation, The Production of Lipopolysaccharide and Biogenic Amines, and The Rumen Bacterial Community. <i>Current Microbiology</i> , 2017, 74, 1337-1342. | 1.0 | 10 |
| 1959 | Characterization of a novel nitrilase, BGC4, from <i>Paraburkholderia graminis</i> showing wide-spectrum substrate specificity, a potential versatile biocatalyst for the degradation of nitriles. <i>Biotechnology Letters</i> , 2017, 39, 1725-1731. | 1.1 | 11 |
| 1960 | Combining metabolomics and network analysis to improve tacrolimus production in <i>Streptomyces tsukubaensis</i> using different exogenous feedings. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 1527-1540. | 1.4 | 20 |
| 1961 | Effects of fat sources and dietary C 18:2 to C 18:3 fatty acids ratio on growth performance, ruminal fermentation and some blood components of Holstein calves. <i>Livestock Science</i> , 2017, 204, 71-77. | 0.6 | 21 |
| 1962 | Changes in fibre-adherent and fluid-associated microbial communities and fermentation profiles in the rumen of cattle fed diets differing in hay quality and concentrate amount. <i>FEMS Microbiology Ecology</i> , 2017, 93, . | 1.3 | 44 |
| 1963 | Structural insights into how GTP-dependent conformational changes in a metallochaperone UreG facilitate urease maturation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10890-E10898. | 3.3 | 41 |
| 1964 | Dietary Alfalfa and Calcium Salts of Long-Chain Fatty Acids Alter Protein Utilization, Microbial Populations, and Plasma Fatty Acid Profile in Holstein Freemartin Heifers. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10859-10867. | 2.4 | 13 |
| 1965 | Microbial diversity in Chinese temperate steppe: unveiling the most influential environmental drivers. <i>FEMS Microbiology Ecology</i> , 2017, 93, . | 1.3 | 21 |
| 1966 | A <i>Bacillus paralicheniformis</i> Iron-Containing Urease Reduces Urea Concentrations in Rice Wine. <i>Applied and Environmental Microbiology</i> , 2017, 83, . | 1.4 | 22 |
| 1967 | Interactive effect of dietary protein and dried citrus pulp levels on growth performance, small intestinal morphology, and hindgut fermentation of weanling pigs. <i>Journal of Animal Science</i> , 2017, 95, 257-269. | 0.2 | 10 |
| 1968 | Impact of concentrate supplementation during early lactation on the performance of grass fed, twin suckling ewes and their progeny. <i>Livestock Science</i> , 2017, 202, 150-158. | 0.6 | 5 |
| 1969 | Investigating the effects of sex of growing Nellore cattle and crude protein intake on the utilization of recycled N for microbial protein synthesis in the rumen by using intravenous ^{15}N ^{15}N -urea infusion. <i>Animal Feed Science and Technology</i> , 2017, 231, 119-130. | 1.1 | 7 |
| 1970 | Effect of feeding garlic leaves on rumen fermentation, methane emission, plasma glucose kinetics, and nitrogen utilization in sheep. <i>Journal of Animal Science and Technology</i> , 2017, 59, 14. | 0.8 | 16 |
| 1971 | Jack Bean Urease Inhibitors, and Antioxidant Activity Based on Palmitic acid Derived 1-acyl-3-Arylthioureas: Synthesis, Kinetic Mechanism and Molecular Docking Studies. <i>Drug Research</i> , 2017, 67, 596-605. | 0.7 | 30 |
| 1972 | A multi-target therapeutic potential of <i>Prunus domestica</i> gum stabilized nanoparticles exhibited prospective anticancer, antibacterial, urease-inhibition, anti-inflammatory and analgesic properties.. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 276. | 3.7 | 53 |
| 1973 | Effect of Nitrooxy Compounds with Different Molecular Structures on the Rumen Methanogenesis, Metabolic Profile, and Methanogenic Community. <i>Current Microbiology</i> , 2017, 74, 891-898. | 1.0 | 16 |
| 1974 | Synthesis of chiral pyrazolo[4,3- <i>e</i>][1,2,4]triazine sulfonamides with tyrosinase and urease inhibitory activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 99-105. | 2.5 | 26 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 1975 | Î2-glucuronidase activity and enterolactone concentration in ruminal fluid, plasma, urine, and milk of Holstein cows fed increased levels of flax (<i>Linum usitatissimum</i>) meal. <i>Animal Feed Science and Technology</i> , 2017, 223, 23-29. | 1.1 | 4 |
| 1976 | Design, synthesis, molecular docking, anti- <i>Proteus mirabilis</i> and urease inhibition of new fluoroquinolone carboxylic acid derivatives. <i>Bioorganic Chemistry</i> , 2017, 70, 1-11. | 2.0 | 37 |
| 1977 | Effect of swine based probiotic on performance, diarrhoea scores, intestinal microbiota and gut health of grower-finisher crossbred pigs. <i>Livestock Science</i> , 2017, 195, 74-79. | 0.6 | 69 |
| 1978 | Synthesis and structural characterization of new bioactive ligands and their Bi(III) derivatives. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3632. | 1.7 | 16 |
| 1979 | Evaluation of grape pomace from red wine by-product as feed for sheep. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 1885-1893. | 1.7 | 36 |
| 1980 | Effects of inclusion levels of pelleted silvergrass (<i>Miscanthus sinensis</i> Andress.) in the diet on digestibility, chewing activity, ruminal fermentation and blood metabolites in breeding Japanese Black cows. <i>Animal Science Journal</i> , 2017, 88, 468-475. | 0.6 | 3 |
| 1981 | Piptadenin, a Novel 3,4-Secooleanane Triterpene and Piptadenamide, a New Ceramide from the Stem Bark of <i>Piptadeniastrum africanum</i> (Hook.f.)Brenan. <i>Chemistry and Biodiversity</i> , 2017, 14, e1600215. | 1.0 | 8 |
| 1982 | Conventional and Microwave-assisted Total Synthesis, Antioxidant Capacity, Biological Activity, and Molecular Docking Studies of New Hybrid Compounds. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 1785-1805. | 1.4 | 25 |
| 1983 | Garlic oil reduces ruminal fatty acid biohydrogenation in vitro. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1500388. | 1.0 | 1 |
| 1984 | Watershed Land Use and Seasonal Variation Constrain the Influence of Riparian Canopy Cover on Stream Ecosystem Metabolism. <i>Ecosystems</i> , 2017, 20, 553-567. | 1.6 | 22 |
| 1985 | Exploring the role of pendant amines in transition metal complexes for the reduction of N ₂ to hydrazine and ammonia. <i>Coordination Chemistry Reviews</i> , 2017, 334, 67-83. | 9.5 | 39 |
| 1986 | Enhanced production of curdlan by coupled fermentation system of <i>Agrobacterium</i> sp. ATCC 31749 and <i>Trichoderma harzianum</i> GIM 3.442. <i>Carbohydrate Polymers</i> , 2017, 157, 1687-1694. | 5.1 | 20 |
| 1987 | Effect of substitution of oat hulls for traditional fiber source on digestion and performance of fattening rabbits. <i>Animal</i> , 2017, 11, 968-974. | 1.3 | 4 |
| 1988 | The role of microbiota in compensatory growth of protein-restricted rats. <i>Microbial Biotechnology</i> , 2017, 10, 480-491. | 2.0 | 16 |
| 1989 | Monensin and a blend of castor oil and cashew nut shell liquid used in a high-concentrate diet abruptly fed to Nellore cattle. <i>Journal of Animal Science</i> , 2017, 95, 4124-4138. | 0.2 | 7 |
| 1990 | Determination of In-vitro Biochemical Activities of Reflevone, A New Natural Organic Compound. <i>Journal of Biologically Active Products From Nature</i> , 2017, 7, 427-437. | 0.1 | 0 |
| 1991 | Effects of dietary fish oil supplementation on performance, meat quality, and cecal fermentation of growing rabbits. <i>Journal of Animal Science</i> , 2017, 95, 3620-3630. | 0.2 | 21 |
| 1992 | Characterizing ammonia emissions from horses fed different crude protein concentrations. <i>Journal of Animal Science</i> , 2017, 95, 3598-3608. | 0.2 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1993 | Bioassay-guided isolation of novel and selective urease inhibitors from <i>Diospyros lotus</i> . Chinese Journal of Natural Medicines, 2017, 15, 865-870. | 0.7 | 11 |
| 1994 | SYNTHESIS OF TETRASUBSTITUTED IMIDAZOLES CONTAINING INDOLE AND THEIR ANTIUREASE AND ANTIOXIDANT ACTIVITIES. Journal of the Chilean Chemical Society, 2017, 62, 3583-3587. | 0.5 | 12 |
| 1995 | GC-MS Analysis and Gastroprotective Evaluations of Crude Extracts, Isolated Saponins, and Essential Oil from <i>Polygonum hydropiper</i> L.. Frontiers in Chemistry, 2017, 5, 58. | 1.8 | 38 |
| 1996 | Metatranscriptomic Analysis Reveals Unexpectedly Diverse Microbial Metabolism in a Biogeochemical Hot Spot in an Alluvial Aquifer. Frontiers in Microbiology, 2017, 8, 40. | 1.5 | 14 |
| 1997 | Functional Resilience and Response to a Dietary Additive (Kefir) in Models of Foregut and Hindgut Microbial Fermentation In Vitro. Frontiers in Microbiology, 2017, 8, 1194. | 1.5 | 1 |
| 1998 | The Impact of <i>Helicobacter pylori</i> Urease upon Platelets and Consequent Contributions to Inflammation. Frontiers in Microbiology, 2017, 8, 2447. | 1.5 | 18 |
| 1999 | Synthesis of Poly-(R-hydroxyalkanoates) by <i>Cupriavidus necator</i> ATCC 17699 Using Mexican Avocado (<i>Persea americana</i>) Oil as a Carbon Source. International Journal of Polymer Science, 2017, 2017, 1-10. | 1.2 | 15 |
| 2000 | Acute toxicity evaluation of mixture of neem (<i>Azadirachta indica</i>) and moringa (<i>Moringa oleifera</i>) seed oils in rats. African Journal of Food Science, 2017, 11, 369-375. | 0.4 | 0 |
| 2001 | Transcription Factor OsDOF18 Controls Ammonium Uptake by Inducing Ammonium Transporters in Rice Roots. Molecules and Cells, 2017, 40, 178-185. | 1.0 | 32 |
| 2002 | Physiological and biochemical metabolism in Jatoba plants (<i>Hymenaea courbaril</i> L.) affected by water stress and flooding. Australian Journal of Crop Science, 2017, , 844-852. | 0.1 | 2 |
| 2003 | Aminophosphinates against <i>Helicobacter pylori</i> ureolysis—Biochemical and whole-cell inhibition characteristics. PLoS ONE, 2017, 12, e0182437. | 1.1 | 9 |
| 2004 | Evaluation of Urease Activity by the Human <i>Ureaplasma</i> Species. Folia Biologica, 2017, 65, 142-147. | 0.1 | 3 |
| 2005 | Impact of levels of total digestible nutrients on microbiome, enzyme profile and degradation of feeds in buffalo rumen. PLoS ONE, 2017, 12, e0172051. | 1.1 | 58 |
| 2006 | INHIBITION OF UREASE ENZYME ACTIVITY BY UREA AND THIOUREA DERIVATIVES OF DIPEPTIDES CONJUGATED 2, 3-DICHLOROPHENYL PIPERAZINE. International Journal of Pharmacy and Pharmaceutical Sciences, 2017, 9, 92. | 0.3 | 1 |
| 2007 | Anti- <i>Helicobacter</i> and Anti-inflammatory Effects of Sohamhyungtang in <i>Helicobacter pylori</i> -Infected Human Gastric Epithelial AGS cells. Natural Product Sciences, 2017, 23, 175. | 0.2 | 1 |
| 2008 | Administration of <i>Bacillus Amyloliquefaciens</i> and <i>Saccharomyces Cerevisiae</i> as Direct-Fed Microbials Improves Intestinal Microflora and Morphology in Broiler Chickens. Journal of Poultry Science, 2017, 54, 134-141. | 0.7 | 13 |
| 2009 | Implications of Altered Hydrology for Substrate Quality and Trace Gas Production in a Poor Fen Peatland. Soil Science Society of America Journal, 2017, 81, 633-646. | 1.2 | 11 |
| 2010 | Biogeochemical cycling at the aquatic-terrestrial interface is linked to parafluvial hyporheic zone inundation history. Biogeosciences, 2017, 14, 4229-4241. | 1.3 | 25 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2011 | Biochemical response of Tachi-branco (<i>Tachigali vulgaris</i> L.G. Silva & H.C. Lima) in function of sources and doses of nitrogen. <i>Australian Journal of Crop Science</i> , 2017, 11, 1579-1587. | 0.1 | 0 |
| 2012 | Degradabilidade de gramíneas, fermentação e protozoários no rumen de bovinos em dietas com diferentes aditivos. <i>Revista Brasileira De Saude E Producao Animal</i> , 2017, 18, 269-281. | 0.3 | 2 |
| 2013 | BENZAMIDE DERIVATIVES AS POTENTIAL CANDIDATES FOR ANTI-ALZHEIMER, ANTI-FATIGUE, ANTI-UREASE AND ANTI-OXIDANT ACTIVITY. <i>Journal of the Chilean Chemical Society</i> , 2017, 62, 3342-3344. | 0.5 | 10 |
| 2014 | Effects of alfalfa flavonoids on the production performance, immune system, and ruminal fermentation of dairy cows. <i>Asian-Australasian Journal of Animal Sciences</i> , 2017, 30, 1416-1424. | 2.4 | 44 |
| 2015 | Comprehensive Evaluation of the Anti- <i>Helicobacter pylori</i> Activity of <i>Scutellariae Radix</i> . <i>Natural Product Sciences</i> , 2017, 23, 46. | 0.2 | 7 |
| 2016 | Engineering the residues on the surface and C-terminal region to improve thermostability of nitrilase. <i>Enzyme and Microbial Technology</i> , 2018, 113, 52-58. | 1.6 | 32 |
| 2017 | Design, Microwave-Assisted and Conventional Synthesis of New Hybrid Compounds Derived From 4-(4-Fluorophenyl)piperazine and Screening for Their Biological Activities. <i>ChemistrySelect</i> , 2018, 3, 2144-2151. | 0.7 | 3 |
| 2018 | Sediment bacteria in an urban stream: Spatiotemporal patterns in community composition. <i>Water Research</i> , 2018, 134, 353-369. | 5.3 | 75 |
| 2019 | How grazing affects soil quality of soils formed in the glaciated northeastern United States. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 159. | 1.3 | 8 |
| 2020 | Nutrient distribution in sandy soils along a forest productivity gradient in the Athabasca Oil Sands Region of Alberta, Canada. <i>Canadian Journal of Soil Science</i> , 2018, 98, 277-291. | 0.5 | 6 |
| 2021 | Oxygen uptake and net flux of metabolites by splanchnic tissues of sheep in response to short-term mesenteric infusion of nitrogenous compounds. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 853-860. | 1.0 | 5 |
| 2022 | Smartphone based optical biosensor for the detection of urea in saliva. <i>Sensors and Actuators B: Chemical</i> , 2018, 269, 346-353. | 4.0 | 111 |
| 2023 | Dynamic changes in morphology, gene expression and microbiome in the jejunum of compensatory growth rats induced by protein restriction. <i>Microbial Biotechnology</i> , 2018, 11, 734-746. | 2.0 | 13 |
| 2024 | Carry-over benefit of high internal N pool on growth and function of oak seedlings (<i>Quercus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 1.4 | 11 |
| 2025 | Synthetic nicotinic/isonicotinic thiosemicarbazides: In vitro urease inhibitory activities and molecular docking studies. <i>Bioorganic Chemistry</i> , 2018, 79, 34-45. | 2.0 | 28 |
| 2026 | High-frequency, high-intensity electromagnetic field effects on <i>Saccharomyces cerevisiae</i> conversion yields and growth rates in a reverberant environment. <i>Bioresource Technology</i> , 2018, 260, 264-272. | 4.8 | 3 |
| 2027 | Characterization of the ruminal fermentation and microbiome in lambs supplemented with hydrolysable and condensed tannins. <i>FEMS Microbiology Ecology</i> , 2018, 94, . | 1.3 | 28 |
| 2028 | Redox behaviour of arsenic in the surface sediments of the Marque River (Northern France). <i>Journal of Geochemical Exploration</i> , 2018, 188, 111-122. | 1.5 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2029 | Medium composition potentially regulates the anthocyanin production from suspension culture of <i>Daucus carota</i> . <i>3 Biotech</i> , 2018, 8, 134. | 1.1 | 15 |
| 2030 | Recovery of ammonium from aqueous solutions using ZSM-5. <i>Chemosphere</i> , 2018, 198, 501-509. | 4.2 | 29 |
| 2031 | Graded substitution of grains with bakery by-products modulates ruminal fermentation, nutrient degradation, and microbial community composition in vitro. <i>Journal of Dairy Science</i> , 2018, 101, 3085-3098. | 1.4 | 19 |
| 2032 | The effect of an isoflavonoid-rich liquorice extract on fermentation, methanogenesis and the microbiome in the rumen simulation technique. <i>FEMS Microbiology Ecology</i> , 2018, 94, . | 1.3 | 31 |
| 2033 | Effect of feeding <i>Acacia nilotica</i> pods to sheep on nutrient digestibility, nitrogen balance, ruminal protozoa and rumen enzymes activity. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 662-669. | 1.0 | 20 |
| 2034 | Amino acid conjugated antimicrobial drugs: Synthesis, lipophilicity- activity relationship, antibacterial and urease inhibition activity. <i>European Journal of Medicinal Chemistry</i> , 2018, 145, 140-153. | 2.6 | 42 |
| 2035 | Nitrite Reduction Cycle on a Dinuclear Ruthenium Complex Producing Ammonia. <i>Journal of the American Chemical Society</i> , 2018, 140, 842-847. | 6.6 | 37 |
| 2036 | Condensed Tannins Affect Bacterial and Fungal Microbiomes and Mycotoxin Production during Ensiling and upon Aerobic Exposure. <i>Applied and Environmental Microbiology</i> , 2018, 84, . | 1.4 | 46 |
| 2037 | Pobeguine: a monoterpene indole alkaloid and other bioactive constituents from the stem bark of <i>Nauclea pobeguini</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2018, 73, 335-344. | 0.6 | 13 |
| 2038 | Bis(dinitrogen)cobalt(~ 1) Complexes with NHC Ligation: Synthesis, Characterization, and Their Dinitrogen Functionalization Reactions Affording Side-on Bound Diazene Complexes. <i>Journal of the American Chemical Society</i> , 2018, 140, 2239-2250. | 6.6 | 95 |
| 2039 | <i>Laminaria digitata</i> phlorotannins decrease protein degradation and methanogenesis during in vitro ruminal fermentation. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 3644-3650. | 1.7 | 18 |
| 2040 | Model of acetic acid-affected growth and poly(3-hydroxybutyrate) production by <i>Cupriavidus necator</i> DSM 545. <i>Journal of Biotechnology</i> , 2018, 268, 12-20. | 1.9 | 26 |
| 2041 | High-grain diets supplemented with phytochemicals or autolyzed yeast modulate ruminal bacterial community and fermentation in dry cows. <i>Journal of Dairy Science</i> , 2018, 101, 2335-2349. | 1.4 | 46 |
| 2042 | Assessment of bacterial communities and activities of thermotolerant enzymes produced by bacteria indigenous to oil-bearing sandstone cores for potential application in Enhanced Oil Recovery. <i>Journal of Petroleum Science and Engineering</i> , 2018, 163, 295-302. | 2.1 | 18 |
| 2043 | Effect of biochar produced from different biomass sources and at different process temperatures on methane production and ammonia concentrations in vitro. <i>Animal Feed Science and Technology</i> , 2018, 237, 1-7. | 1.1 | 39 |
| 2044 | Multifunctional theranostic applications of biocompatible green-synthesized colloidal nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 4393-4408. | 1.7 | 95 |
| 2045 | Competition reverses the response of shrub seedling mortality and growth along a soil moisture gradient. <i>Journal of Ecology</i> , 2018, 106, 2096-2108. | 1.9 | 11 |
| 2046 | Changes induced by co-inoculation in nitrogen-carbon metabolism in cowpea under salinity stress. <i>Brazilian Journal of Microbiology</i> , 2018, 49, 685-694. | 0.8 | 22 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2047 | Effects of altering total mixed ration conservation method when feeding dry-rolled versus steam-flaked hulled rice on lactation and digestion in dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 5092-5101. | 1.4 | 12 |
| 2048 | Effect of recurrent fires on soil nutrient dynamics in a tropical dry deciduous forest of Western Ghats, India. <i>Journal of Sustainable Forestry</i> , 2018, 37, 678-690. | 0.6 | 8 |
| 2049 | Fermentation and chemical composition of guinea grass silage added with wheat meal and <i>Streptococcus bovis</i> . <i>New Zealand Journal of Agricultural Research</i> , 2018, 61, 487-494. | 0.9 | 1 |
| 2050 | Effect of hop (<i>Humulus lupulus</i> L.) inclusion in the diet for fattening lambs on animal performance, ruminal characteristics and meat quality. <i>Food Research International</i> , 2018, 108, 42-47. | 2.9 | 6 |
| 2051 | Anti- <i>Helicobacter pylori</i> metabolites from <i>Heterotheca inuloides</i> (Mexican arnica). <i>F&T</i> , 2018, 127, 314-321. | 1.1 | 11 |
| 2052 | Production performance of lambs on milk replacer during pre-weaning followed by post-weaning linseed and calcium soap supplementation. <i>Animal Feed Science and Technology</i> , 2018, 240, 145-156. | 1.1 | 11 |
| 2053 | Effects of <i>Saccharomyces cerevisiae</i> and rumen bypass-fat supplementation on growth, nutrient utilisation, rumen fermentation and carcass traits of lambs. <i>Animal Production Science</i> , 2018, 58, 530. | 0.6 | 14 |
| 2054 | The effect of grapeseed oil on performance, rumen fermentation, antioxidant status and subcutaneous adipose fatty acid profile in lambs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 157-165. | 1.0 | 8 |
| 2055 | In vitro microbial protein synthesis, ruminal degradation and post-ruminal digestibility of crude protein of dairy rations containing Quebracho tannin extract. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, e77-e86. | 1.0 | 10 |
| 2056 | A comparison of processed sorghum grain using different digestion techniques. <i>Journal of Applied Animal Research</i> , 2018, 46, 1-9. | 0.4 | 3 |
| 2057 | Associative effects between <i>Arachis pintoi</i> and dwarf elephantgrass hays on nutritional value in sheep. <i>Animal Production Science</i> , 2018, 58, 894. | 0.6 | 3 |
| 2058 | Nitrogen-Inorganic Forms. <i>Soil Science Society of America Book Series</i> , 0, , 1123-1184. | 0.3 | 499 |
| 2059 | Effect of tea (<i>Camellia sinensis</i>) seed saponins on in vitro rumen fermentation, methane production and true digestibility at different forage to concentrate ratios. <i>Journal of Applied Animal Research</i> , 2018, 46, 118-124. | 0.4 | 20 |
| 2060 | Graded replacement of maize grain with molassed sugar beet pulp modulated ruminal microbial community and fermentation profile in vitro. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 991-997. | 1.7 | 8 |
| 2061 | Potential for mcl-PHA production from nonanoic and azelaic acids. <i>Canadian Journal of Microbiology</i> , 2018, 64, 11-19. | 0.8 | 5 |
| 2062 | Overproduction of MCL-PHA with high 3-hydroxydecanoate Content. <i>Biotechnology and Bioengineering</i> , 2018, 115, 390-400. | 1.7 | 16 |
| 2063 | Selective colorimetric detection of dissolved ammonia in water via modified Berthelot's reaction on porous paper. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 167-175. | 4.0 | 63 |
| 2064 | Effects of dietary Greek oregano (<i>Origanum vulgare</i> ssp. <i>hirtum</i>) supplementation on rumen fermentation, enzyme profile and microbial communities in goats. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 701-705. | 1.0 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2065 | Iron and ruthenium complexes having a pincer-type ligand with two protic amidepyrazole arms: Structures and catalytic application. <i>Polyhedron</i> , 2018, 143, 105-110. | 1.0 | 13 |
| 2066 | Effects of Chinese herbal medicine and cold exposure on plasma glucose, leucine and energy metabolism in sheep. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, e534-e541. | 1.0 | 10 |
| 2067 | Molecular responses of Nile tilapia (<i>Oreochromis niloticus</i>) to different levels of dietary carbohydrates. <i>Aquaculture</i> , 2018, 482, 117-123. | 1.7 | 53 |
| 2068 | Influence of Tween-80 on the production and structure of water-insoluble curdlan from <i>Agrobacterium</i> sp.. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 611-619. | 3.6 | 37 |
| 2069 | Analysis of Herbivore Stress- and Phytohormone-Mediated Urease Expression in Soybean (<i>Glycine max</i>). <i>Journal of Plant Growth Regulation</i> , 2018, 37, 419-425. | 2.8 | 2 |
| 2070 | Synthesis, enzyme inhibitory kinetics, and computational studies of novel 1-(4-isobutylphenyl) Tj ETQq1 1 0.784314 rgBT /O... 434-447. | 1.5 | 24 |
| 2071 | Synthesis, crystal structures, molecular docking and urease inhibition studies of Ni(II) and Cu(II) Schiff base complexes. <i>Journal of Molecular Structure</i> , 2018, 1156, 1-11. | 1.8 | 23 |
| 2072 | Effect of the addition of <i>Nigella sativa</i> seeds to low or high concentrate diets on intake, digestion, blood metabolites, growth and carcass traits of Barbarine lamb. <i>Small Ruminant Research</i> , 2018, 158, 1-8. | 0.6 | 14 |
| 2073 | Non-destructive automatic quality evaluation of fresh-cut iceberg lettuce through packaging material. <i>Journal of Food Engineering</i> , 2018, 223, 46-52. | 2.7 | 39 |
| 2074 | Effect of grinding process of steam-rolled barley grain on plasma glucose and leucine kinetics and protein synthesis in sheep. <i>Journal of Applied Animal Research</i> , 2018, 46, 696-701. | 0.4 | 0 |
| 2075 | Fecal Microbiota Transplant from Highly Feed-Efficient Donors Shows Little Effect on Age-Related Changes in Feed-Efficiency-Associated Fecal Microbiota from Chickens. <i>Applied and Environmental Microbiology</i> , 2018, 84, . | 1.4 | 58 |
| 2076 | Effects of UV radiation on the process of wilting and application of additives at ensiling on the fermentation quality of Siberian wildrye silage on the Qinghai-Tibetan plateau. <i>Grassland Science</i> , 2018, 64, 61-68. | 0.6 | 8 |
| 2077 | Effects of organic and inorganic nitrogen sources on in vitro degradability of citrus byproduct and milk thistle. <i>Turkish Journal of Veterinary and Animal Sciences</i> , 2018, 42, 7-13. | 0.2 | 0 |
| 2078 | A patchy continuum? Stream processes show varied responses to patch- and continuum-based analyses. <i>Ecosphere</i> , 2018, 9, e02481. | 1.0 | 14 |
| 2079 | Effect of <i>Theobroma cacao</i> on renal function of wistar albino rats induced with anaemia. <i>African Journal of Cellular Pathology</i> , 2018, 10, 40-46. | 0.2 | 0 |
| 2080 | PHARMACOLOGICAL EFFICACY OF <i>TRICHODESMA INDICUM</i> (LINN) R. BR., IN FOLK MEDICINE – AN UPDATED REVIEW. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2018, 11, 24. | 0.3 | 3 |
| 2081 | Microbial biodegradation of biuret: defining biuret hydrolases within the isochorismatase superfamily. <i>Environmental Microbiology</i> , 2018, 20, 2099-2111. | 1.8 | 9 |
| 2082 | Antioxidant Supplementation and Kidney Function Status of Wistar Rats Following High Fat Diet-Streptozotocin (HFT-STZ) Induced Type 2 Diabetes. <i>Biochemistry & Molecular Biology Journal</i> , 2018, 04, . | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2083 | Ammonia accumulation in plant tissues: a potentially useful indicator of postharvest physiological stress. <i>Acta Horticulturae</i> , 2018, , 1511-1518. | 0.1 | 3 |
| 2084 | New bioactive triaryl triglyceride esters: Synthesis, characterization and biological activities. <i>Bangladesh Journal of Pharmacology</i> , 2018, 13, 302. | 0.1 | 0 |
| 2085 | Comperative phyto toxicological and anti inflammatory effects of leaves extracts of <i>holoptelea integrifolia</i> . <i>Bangladesh Journal of Medical Science</i> , 2018, 17, 212-217. | 0.1 | 1 |
| 2086 | Evaluation of the Histomorphological and Toxicological Changes in Rodents after treatment with Hydroethanolic Extract of the <i>Secamone Afzelii</i> Aerial Parts. <i>Journal of Morphological Sciences</i> , 2018, 35, 233-241. | 0.2 | 1 |
| 2087 | Hepatotoxic and renal effects of the water soluble fractions of spent engine oil in Swiss albino mice. <i>International Journal of Biological and Chemical Sciences</i> , 2018, 12, 650. | 0.1 | 2 |
| 2088 | User-Based Photometer Analysis of Effluent from Advanced Nitrogen-Removal Onsite Wastewater Treatment Systems. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1. | 1.1 | 5 |
| 2089 | Characterization and CRISPR-based genotyping of clinical trh-positive <i>Vibrio parahaemolyticus</i> . <i>Gut Pathogens</i> , 2018, 10, 48. | 1.6 | 6 |
| 2090 | Wet Spots as Hotspots: Moisture Responses of Nitric and Nitrous Oxide Emissions From Poorly Drained Agricultural Soils. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3589-3602. | 1.3 | 27 |
| 2091 | Molecular Engineering of <i>Bacillus paralicheniformis</i> Acid Urease To Degrade Urea and Ethyl Carbamate in Model Chinese Rice Wine. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 13011-13019. | 2.4 | 23 |
| 2092 | Cobalt Metallopeptide Electrocatalyst for the Selective Reduction of Nitrite to Ammonium. <i>Journal of the American Chemical Society</i> , 2018, 140, 16888-16892. | 6.6 | 80 |
| 2093 | Construction of Synthetic Promoters by Assembling the Sigma Factor Binding σ^{35} and σ^{10} Boxes. <i>Biotechnology Journal</i> , 2019, 14, e1800298. | 1.8 | 20 |
| 2094 | The Effect of a Sugar-Containing Preservative on Senescence-Related Processes in Cut Clematis Flowers. <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> , 2018, 47, 432-440. | 0.5 | 7 |
| 2095 | Feed Restriction Modulates the Fecal Microbiota Composition, Nutrient Retention, and Feed Efficiency in Chickens Divergent in Residual Feed Intake. <i>Frontiers in Microbiology</i> , 2018, 9, 2698. | 1.5 | 21 |
| 2096 | Investigation of the Inhibitory Effects of Human Carbonic Anhydrase I and Jack Bean Urease by Coumarin Derivates. <i>Current Enzyme Inhibition</i> , 2018, 14, 226-232. | 0.3 | 0 |
| 2097 | Biosynthesis and characterization of a novel, biocompatible medium chain length polyhydroxyalkanoate by <i>Pseudomonas mendocina</i> CH50 using coconut oil as the carbon source. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 179. | 1.7 | 43 |
| 2098 | Expression of a Recombinant <i>Lentinula edodes</i> Xylanase by <i>Pichia pastoris</i> and Its Effects on Ruminal Fermentation and Microbial Community in in vitro Incubation of Agricultural Straws. <i>Frontiers in Microbiology</i> , 2018, 9, 2944. | 1.5 | 15 |
| 2099 | <i>Scrophularia striata</i> Extract Supports Rumen Fermentation and Improves Microbial Diversity in vitro Compared to Monensin. <i>Frontiers in Microbiology</i> , 2018, 9, 2164. | 1.5 | 18 |
| 2100 | Geochemical Characterization of Two Ferruginous Meromictic Lakes in the Upper Midwest, USA. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 3403-3422. | 1.3 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2101 | Stability of Indicators for Net Soil Nitrogen Mineralization in Tobacco Rotation and Tillage Systems. <i>Soil Science Society of America Journal</i> , 2018, 82, 483-492. | 1.2 | 5 |
| 2102 | Optimization of poly(3-hydroxybutyrate) extraction from <i>Cupriavidus necator</i> DSM 545 using sodium dodecyl sulfate and sodium hypochlorite. <i>Agriculture and Natural Resources</i> , 2018, 52, 266-273. | 0.4 | 8 |
| 2103 | Efficient selective hydrolysis of terephthalonitrile to 4-cyanobenzoic acid catalyzed by a novel nitrilase from <i>Pantoea</i> sp. <i>Process Biochemistry</i> , 2018, 75, 152-156. | 1.8 | 2 |
| 2104 | Cellulose acetate, a new candidate feed supplement for ruminant animals: In vitro evaluations. <i>Journal of Dairy Science</i> , 2018, 101, 10929-10938. | 1.4 | 17 |
| 2105 | Synthesis and Urease Inhibition Study of Some New Quinazolinone Derivatives Bearing Triazole, Thiadiazole, and Piperazine Moiety. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 2571-2577. | 1.4 | 3 |
| 2106 | Uropathogenic enterobacteria use the yersiniabactin metallophore system to acquire nickel. <i>Journal of Biological Chemistry</i> , 2018, 293, 14953-14961. | 1.6 | 46 |
| 2107 | Acetate Additions Stimulate CO ₂ and CH ₄ Production from Urban Wetland Soils. <i>Soil Science Society of America Journal</i> , 2018, 82, 1147-1159. | 1.2 | 3 |
| 2108 | Nutritive evaluation of spent green and black tea leaf silages by <i>in vitro</i> gas production characteristics, ruminal degradability and post-ruminal digestibility assessed with inhibitory activity of their tannins. <i>Animal Science Journal</i> , 2018, 89, 1656-1662. | 0.6 | 13 |
| 2109 | Fine roots of <i>Prosopis flexuosa</i> trees in the field. Plant and soil variables that control their growth and depth distribution. <i>Plant Ecology</i> , 2018, 219, 1399-1412. | 0.7 | 2 |
| 2110 | Synthesis of some novel quinazolinone hybrid molecules as potent urease inhibitors. <i>Archiv Der Pharmazie</i> , 2018, 351, e1800182. | 2.1 | 15 |
| 2111 | Molybdenum Complexes Supported by PN ³ P Pincer Ligands: Synthesis, Characterization, and Application to Synthetic Nitrogen Fixation. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 5108-5116. | 1.0 | 6 |
| 2112 | Effects of the particle of ground alfalfa hay on the growth performance, methane production and archaeal populations of rabbits. <i>PLoS ONE</i> , 2018, 13, e0203393. | 1.1 | 2 |
| 2113 | Rumen responses to dietary supplementation with cashew nut shell liquid and its cessation in sheep. <i>Animal Science Journal</i> , 2018, 89, 1549-1555. | 0.6 | 12 |
| 2114 | Nitrogen assimilation pathways and ionic homeostasis are crucial for photosynthetic apparatus efficiency in salt-tolerant sunflower genotypes. <i>Plant Growth Regulation</i> , 2018, 86, 375-388. | 1.8 | 8 |
| 2115 | Synthesis and Studies of Fluorescein Based Derivatives for their Optical Properties, Urease Inhibition and Molecular Docking. <i>Journal of Fluorescence</i> , 2018, 28, 1305-1315. | 1.3 | 6 |
| 2116 | Grass-Legume Mixtures for Improved Soil Health in Cultivated Agroecosystem. <i>Sustainability</i> , 2018, 10, 2718. | 1.6 | 32 |
| 2117 | Rapid evaluation method for rice (<i>Oryza sativa</i> L.) straw feeding quality. <i>Field Crops Research</i> , 2018, 228, 204-209. | 2.3 | 3 |
| 2118 | Nitrogen partitioning differs in sheep offered a conventional diploid, a high sugar diploid or a tetraploid perennial ryegrass cultivar at two feed allowances. <i>Animal Feed Science and Technology</i> , 2018, 245, 32-40. | 1.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2119 | Design, Synthesis, Photophysical Properties, Biological Estimation and Molecular Docking Studies of Novel Schiff Base Derivatives as Potential Urease Inhibitors. <i>Journal of Fluorescence</i> , 2018, 28, 1295-1304. | 1.3 | 15 |
| 2120 | Coptisine-induced inhibition of <i>Helicobacter pylori</i> : elucidation of specific mechanisms by probing urease active site and its maturation process. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1362-1375. | 2.5 | 40 |
| 2121 | Nitrate improves ammonia incorporation into rumen microbial protein in lactating dairy cows fed a low-protein diet. <i>Journal of Dairy Science</i> , 2018, 101, 9789-9799. | 1.4 | 39 |
| 2123 | Intracellular amino and nonamino organic acids profiling of <i>Trichosporon cutaneum</i> on rich and limited nitrogen conditions for lipid production. <i>Biomass and Bioenergy</i> , 2018, 118, 84-92. | 2.9 | 1 |
| 2124 | 1-[(4-Chlorophenyl) carbonyl-4-(aryl) thiosemicarbazide derivatives as potent urease inhibitors: Synthesis, in vitro and in silico studies. <i>Bioorganic Chemistry</i> , 2018, 79, 363-371. | 2.0 | 19 |
| 2125 | <i>Staphylococcus cohnii</i> HFUTY-08: a novel acid urease-producing strain. <i>Annals of Microbiology</i> , 2018, 68, 365-374. | 1.1 | 3 |
| 2126 | Short communication: Variability in fermentation end-products and methanogen communities in different rumen sites of dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 5153-5158. | 1.4 | 23 |
| 2127 | The bacterial and archaeal community structures and methanogenic potential of the cecal microbiota of goats fed with hay and high-grain diets. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 2037-2049. | 0.7 | 10 |
| 2128 | Protection from wintertime rainfall reduces nutrient losses and greenhouse gas emissions during the decomposition of poultry and horse manure-based amendments. <i>Journal of the Air and Waste Management Association</i> , 2018, 68, 377-388. | 0.9 | 7 |
| 2129 | The effects of rumen nitrogen balance on in vitro rumen fermentation and microbial protein synthesis vary with dietary carbohydrate and nitrogen sources. <i>Animal Feed Science and Technology</i> , 2018, 241, 184-197. | 1.1 | 20 |
| 2130 | A flexible, redox-active macrocycle enables the electrocatalytic reduction of nitrate to ammonia by a cobalt complex. <i>Chemical Science</i> , 2018, 9, 4950-4958. | 3.7 | 63 |
| 2131 | Toxicities of selected medicinal plants and floras of lower phyla. <i>Alexandria Journal of Medicine</i> , 2018, 54, 587-596. | 0.4 | 13 |
| 2132 | LED-Based Portable Optical Biosensor for Measurement of Serum Urea Levels Using Urease Immobilized Agarose-Guar Gum Composite Film. <i>IEEE Sensors Journal</i> , 2018, 18, 7273-7280. | 2.4 | 11 |
| 2133 | Arylamino containing hydroxamic acids as potent urease inhibitors for the treatment of <i>Helicobacter pylori</i> infection. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 126-136. | 2.6 | 37 |
| 2134 | Anti- <i>Helicobacter pylori</i> Potential of Three Edible Plants Known as Quelites in Mexico. <i>Journal of Medicinal Food</i> , 2018, 21, 1150-1157. | 0.8 | 20 |
| 2135 | SYNTHESIS, CHARACTERIZATION AND UREASE INHIBITION STUDIES OF TRANSITION METAL COMPLEXES OF THIOUREAS BEARING IBUPROFEN MOIETY. <i>Journal of the Chilean Chemical Society</i> , 2018, 63, 3934-3940. | 0.5 | 15 |
| 2136 | Physicochemical and Bacteriological Analysis of Water Quality in Drought Prone Areas of Pune and Satara Districts of Maharashtra, India. <i>Environments - MDPI</i> , 2018, 5, 61. | 1.5 | 14 |
| 2137 | The synthesis and evaluation of phenoxyacylhydroxamic acids as potential agents for <i>Helicobacter pylori</i> infections. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4145-4152. | 1.4 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2138 | Soil organic matter dynamics under irrigated perennial forageâ€‘annual crop rotations. <i>Grass and Forage Science</i> , 2018, 73, 907-917. | 1.2 | 5 |
| 2139 | Adaptation of Nile tilapia (<i>Oreochromis niloticus</i>) to different levels of dietary carbohydrates: New insights from a long term nutritional study. <i>Aquaculture</i> , 2018, 496, 58-65. | 1.7 | 64 |
| 2140 | Novel indole based hybrid oxadiazole scaffolds with <i>N</i> -(substituted-phenyl)butanamides: synthesis, line weaverâ€‘burk plot evaluation and binding analysis of potent urease inhibitors. <i>RSC Advances</i> , 2018, 8, 25920-25931. | 1.7 | 15 |
| 2141 | Effect of different methods for conserving rice grain on <i>in situ</i> ruminal degradation and <i>in vivo</i> nutrient digestion and rumen fermentation in steers. <i>Animal Science Journal</i> , 2018, 89, 972-978. | 0.6 | 4 |
| 2142 | Response of rumen bacterial diversity and fermentation parameters in beef cattle to diets containing supplemental daidzein. <i>Italian Journal of Animal Science</i> , 2018, 17, 643-649. | 0.8 | 10 |
| 2143 | Lactic acid treatment of by-products and phosphorus level in the diet modulate bacterial microbiome and the predicted metagenome functions using the rumen simulation technique. <i>Journal of Dairy Science</i> , 2018, 101, 9800-9814. | 1.4 | 2 |
| 2144 | Synthesis, biological activity and structure activity relationship studies of novel conazole analogues via conventional, microwave and ultrasound mediated techniques. <i>Bioorganic Chemistry</i> , 2018, 81, 55-70. | 2.0 | 22 |
| 2145 | <i>In vitro</i> rumen fermentation, microbial protein synthesis and composition of microbial community of total mixed rations replacing maize silage with red clover silage. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 1450-1463. | 1.0 | 7 |
| 2146 | Faba bean (<i>Vicia faba</i>) inclusion in dairy cow diets: Effect on nutrient digestion, rumen fermentation, nitrogen utilization, methane production, and milk performance. <i>Journal of Dairy Science</i> , 2018, 101, 8916-8928. | 1.4 | 36 |
| 2147 | Effects of aqueous seed extracts of <i>Mucuna sloanei</i> (Fabaceae) on body weight and some biochemical parameters of <i>Rattus norvegicus</i> . <i>African Journal of Biotechnology</i> , 2018, 17, 885-891. | 0.3 | 1 |
| 2148 | A Study On Synthesis, Biological Activities and Molecular Modelling of Some Novel Trisubstituted 1,2,4-triazole Derivatives. <i>ChemistrySelect</i> , 2018, 3, 8813-8818. | 0.7 | 11 |
| 2149 | An Amidase Gene, <i>ipaH</i> , Is Responsible for the Initial Step in the Iprodione Degradation Pathway of <i>Paenarthrobacter</i> sp. Strain YJN-5. <i>Applied and Environmental Microbiology</i> , 2018, 84, . | 1.4 | 34 |
| 2150 | Greater Impacts of Incubation Temperature and Moisture on Carbon and Nitrogen Cycling in Poultry Relative to Horse Manureâ€‘based Soil Amendments. <i>Journal of Environmental Quality</i> , 2018, 47, 914-921. | 1.0 | 5 |
| 2151 | Resolution and evaluation of 3-chlorophenyl-3-hydroxypropionylhydroxamic acid as antivirulence agent with excellent eradication efficacy in <i>Helicobacter pylori</i> infected mice. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 121, 293-300. | 1.9 | 10 |
| 2152 | Synthesis and molecular docking study of some novel 2,3-disubstituted quinazolin-4(3H)-one derivatives as potent inhibitors of urease. <i>Bioorganic Chemistry</i> , 2018, 80, 121-128. | 2.0 | 21 |
| 2153 | Noncatalytic Antioxidant Role for <i>Helicobacter pylori</i> Urease. <i>Journal of Bacteriology</i> , 2018, 200, . | 1.0 | 27 |
| 2154 | The Plant Growth-Promoting Rhizobacterium <i>Variovorax boronicumulans</i> CGMCC 4969 Regulates the Level of Indole-3-Acetic Acid Synthesized from Indole-3-Acetonitrile. <i>Applied and Environmental Microbiology</i> , 2018, 84, . | 1.4 | 50 |
| 2155 | Microbial communities and natural fermentation of corn silages prepared with farm bunker-silo in Southwest China. <i>Bioresource Technology</i> , 2018, 265, 282-290. | 4.8 | 180 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2156 | Soils beneath different arctic shrubs have contrasting responses to a natural gradient in temperature. <i>Ecosphere</i> , 2018, 9, e02290. | 1.0 | 3 |
| 2157 | <i>In vitro</i> assessment of the factors that determine the activity of the rumen microbiota for further applications as inoculum. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 163-172. | 1.7 | 23 |
| 2158 | An investigation of <i>Humulus lupulus</i> L.: Phenolic composition, antioxidant capacity and inhibition properties of clinically important enzymes. <i>South African Journal of Botany</i> , 2019, 120, 170-174. | 1.2 | 37 |
| 2159 | Synthesis, <i>In Silico</i> Study and Antiurease Potential of Imine Derivatives. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2019, 43, 1513-1521. | 0.7 | 1 |
| 2160 | Characteristics of refold acid urease immobilized covalently by graphene oxide-chitosan composite beads. <i>Journal of Bioscience and Bioengineering</i> , 2019, 127, 16-22. | 1.1 | 14 |
| 2161 | Effect of dietary fiber levels on bacterial composition with age in the cecum of meat rabbits. <i>MicrobiologyOpen</i> , 2019, 8, e00708. | 1.2 | 9 |
| 2162 | Synthesis, Antioxidant and <i>In-Silico</i> Studies of Potent Urease Inhibitors: N-(4-[(4-Methoxyphenethyl)-(substituted)amino]sulfonyl)phenyl)acetamides. <i>Drug Research</i> , 2019, 69, 111-120. | 0.7 | 5 |
| 2163 | Effect of increasing the proportion of chicory in forage-based diets on intake and digestion by sheep. <i>Animal</i> , 2019, 13, 718-726. | 1.3 | 16 |
| 2164 | Bioassay-guided isolation of urease inhibitors from <i>Ferula narthex</i> Bioss. <i>South African Journal of Botany</i> , 2019, 120, 247-252. | 1.2 | 1 |
| 2165 | Kinetics of urease inhibition by different fractions of <i>Cassia fistula</i> . <i>South African Journal of Botany</i> , 2019, 120, 274-279. | 1.2 | 6 |
| 2166 | Nitrogen fixation and foliar nitrogen do not predict phosphorus acquisition strategies in tropical trees. <i>Journal of Ecology</i> , 2019, 107, 118-126. | 1.9 | 13 |
| 2167 | Production and partial characterization of the exopolysaccharide from <i>Pleurotus sajor caju</i> . <i>Annals of Microbiology</i> , 2019, 69, 1201-1210. | 1.1 | 6 |
| 2168 | Integrating multiple lines of evidence of sediment quality in a tropical bay (Guanabara Bay, Brazil). <i>Marine Pollution Bulletin</i> , 2019, 146, 925-934. | 2.3 | 16 |
| 2169 | Rumen fermentation and microbial community composition influenced by live <i>Enterococcus faecium</i> supplementation. <i>AMB Express</i> , 2019, 9, 123. | 1.4 | 26 |
| 2170 | A Practical Synthesis of Ammonia from Nitrogen Gas, Samarium Diodide and Water Catalyzed by a Molybdenum-PCP Pincer Complex. <i>Synthesis</i> , 2019, 51, 3792-3795. | 1.2 | 22 |
| 2171 | Influence of storage time and processing on chemical composition and <i>in vitro</i> ruminal fermentation of olive cake. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 1303-1312. | 1.0 | 4 |
| 2172 | <i>In vitro</i> culture and acclimatization of <i>Cattleya xanthina</i> (Orchidaceae), an endangered orchid of the Brazilian Atlantic Rainforest. <i>Rodriguesia</i> , 2019, 70, . | 0.9 | 7 |
| 2173 | Synthesis of new arylhydrazide bearing Schiff bases/thiazolidinone: $\hat{\pm}$ -Amylase, urease activities and their molecular docking studies. <i>Bioorganic Chemistry</i> , 2019, 91, 103112. | 2.0 | 33 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2174 | Seasonal variation induced stability of municipal solid waste compost: an enzyme kinetics study. SN Applied Sciences, 2019, 1, 1. | 1.5 | 9 |
| 2175 | Effects of Feeding Rumen-Protected Sunflower Seed and Meal Protein on Feed Intake, Diet Digestibility, Ruminal, Cecal Fermentation, and Growth Performance of Lambs. Animals, 2019, 9, 415. | 1.0 | 8 |
| 2176 | Amino Acids and Ribose: Drivers of Protein and RNA Fermentation by Ingested Bacteria of a Primitive Gut Ecosystem. Applied and Environmental Microbiology, 2019, 85, . | 1.4 | 5 |
| 2177 | Community assemblage of free-living diazotrophs along the elevational gradient of Mount Gongga. Soil Ecology Letters, 2019, 1, 136-146. | 2.4 | 25 |
| 2178 | Effect of feeding hydroponic barley sprouts to sheep on feed intake, nutrient digestibility, nitrogen retention, rumen fermentation and ruminal enzymes activity. Livestock Science, 2019, 228, 31-37. | 0.6 | 22 |
| 2179 | Biochemical metabolism of two cultivars of cowpea treated with 24-Epibrassinolide and subjected to saline stress. Australian Journal of Crop Science, 2019, 13, 444-451. | 0.1 | 3 |
| 2180 | Contrasting responses of diazotrophic specialists, opportunists, and generalists to steppe types in Inner Mongolia. Catena, 2019, 182, 104168. | 2.2 | 8 |
| 2181 | Bis-coumarins; non-cytotoxic selective urease inhibitors and antiglycation agents. Bioorganic Chemistry, 2019, 91, 103170. | 2.0 | 24 |
| 2182 | Characteristics of a recombinant Lentinula edodes endoglucanase and its potential for application in silage of rape straw. International Journal of Biological Macromolecules, 2019, 139, 49-56. | 3.6 | 9 |
| 2183 | Nutritive Value of Tomato Pomace for Ruminants and Its Influence on In Vitro Methane Production. Animals, 2019, 9, 343. | 1.0 | 22 |
| 2184 | Synthesis, in vitro urease inhibitory activity and molecular docking of 3,5-disubstituted thiadiazine-2-thiones. Journal of Heterocyclic Chemistry, 2019, 56, 3073-3080. | 1.4 | 9 |
| 2185 | Greater Nitrogen Availability, Nitrous Oxide Emissions, and Vegetable Yields with Fall-Applied Chicken Relative to Horse Manure. Agronomy, 2019, 9, 444. | 1.3 | 3 |
| 2186 | Quantifying trade-offs among on-farm and off-farm fertility sources to make vegetable organic farming systems more sustainable. Agriculture, Ecosystems and Environment, 2019, 286, 106657. | 2.5 | 6 |
| 2187 | Short-term inhibition of glutamine synthetase leads to reprogramming of amino acid and lipid metabolism in roots and leaves of tea plant (Camellia sinensis L.). BMC Plant Biology, 2019, 19, 425. | 1.6 | 25 |
| 2188 | Design, synthesis, in vitro evaluation, molecular docking and ADME properties studies of hybrid bis-coumarin with thiadiazole as a new inhibitor of Urease. Bioorganic Chemistry, 2019, 92, 103235. | 2.0 | 20 |
| 2189 | Virescosides From the Holothurian-Associated Fungus Acremonium Striatum Kmm 4401. Marine Drugs, 2019, 17, 616. | 2.2 | 8 |
| 2190 | Antiureolytic Activity of Substituted 2,5-Diaminobenzoquinones. Chemistry and Biodiversity, 2019, 16, e1900503. | 1.0 | 3 |
| 2191 | Phytochemical contents, antioxidant effects, and inhibitory activities of key enzymes associated with Alzheimer's disease, ulcer, and skin disorders of <i>Sideritis albiflora</i> and <i>Sideritis leptoclada</i> . Journal of Food Biochemistry, 2019, 43, e13078. | 1.2 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2192 | Plant traits interacting with sediment properties regulate sediment microbial composition under different aquatic DIC levels caused by rising atmospheric CO ₂ . <i>Plant and Soil</i> , 2019, 445, 497-512. | 1.8 | 9 |
| 2193 | Ionic liquid-assisted synthesis of dihydropyrimidin(thi)one Biginelli adducts and investigation of their mechanism of urease inhibition. <i>New Journal of Chemistry</i> , 2019, 43, 15187-15200. | 1.4 | 23 |
| 2194 | Synthesis and Catalytic Reactivity of Polystyrene-supported Molybdenum Pincer Complexes toward Ammonia Formation. <i>Chemistry Letters</i> , 2019, 48, 693-695. | 0.7 | 8 |
| 2195 | Evaluation of Brassica Vegetables as Potential Feed for Ruminants. <i>Animals</i> , 2019, 9, 588. | 1.0 | 15 |
| 2196 | Real-time Imaging of Ammonia Release from Single Live Cells via Liquid Crystal Droplets Immobilized on the Cell Membrane. <i>Advanced Science</i> , 2019, 6, 1900778. | 5.6 | 30 |
| 2197 | Rumen-protected methionine a feed supplement to low dietary protein: effects on microbial population, gases production and fermentation characteristics. <i>AMB Express</i> , 2019, 9, 93. | 1.4 | 13 |
| 2198 | Dietary Energy Level Promotes Rumen Microbial Protein Synthesis by Improving the Energy Productivity of the Ruminal Microbiome. <i>Frontiers in Microbiology</i> , 2019, 10, 847. | 1.5 | 43 |
| 2199 | The effect of sodium benzoate on the nutritive value of rehydrated sorghum grain silage for dairy cows. <i>Animal Feed Science and Technology</i> , 2019, 256, 114267. | 1.1 | 6 |
| 2200 | COINOCULATION WITH Bradyrhizobium AND Trichoderma ALLEVIATES THE EFFECTS OF SALT STRESS IN COWPEA. <i>Revista Caatinga</i> , 2019, 32, 336-344. | 0.3 | 6 |
| 2201 | Precipitation and characterization of CaCO ₃ of <i>Bacillus amyloliquefaciens</i> U17 strain producing urease and carbonic anhydrase. <i>Turkish Journal of Biology</i> , 2019, 43, 198-208. | 2.1 | 10 |
| 2202 | The effect of length of storage and sodium benzoate on the nutritive value of reconstituted sorghum grain silages for dairy cows. <i>Journal of Dairy Science</i> , 2019, 102, 9028-9038. | 1.4 | 5 |
| 2203 | Conversion of Branched-Chain Amino Acids to Corresponding Isoacids - An in vitro Tool for Estimating Ruminal Protein Degradability. <i>Frontiers in Veterinary Science</i> , 2019, 6, 311. | 0.9 | 62 |
| 2204 | Effect of inclusion rate of corn silage in ensiled total mixed ration on dry matter intake, nutrient digestibility, and ruminal fermentation in Japanese Wagyu steer. <i>Livestock Science</i> , 2019, 229, 126-130. | 0.6 | 1 |
| 2205 | Nickel chelation therapy as an approach to combat multi-drug resistant enteric pathogens. <i>Scientific Reports</i> , 2019, 9, 13851. | 1.6 | 13 |
| 2206 | Variation in pickleweed root-associated microbial communities at different locations of a saline solid waste management unit contaminated with petroleum hydrocarbons. <i>PLoS ONE</i> , 2019, 14, e0222901. | 1.1 | 6 |
| 2207 | Developing new hybrid scaffold for urease inhibition based on carbazole-chalcone conjugates: Synthesis, assessment of therapeutic potential and computational docking analysis. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 115123. | 1.4 | 28 |
| 2208 | Community composition and diversity of phytoplankton in relation to environmental variables and seasonality in a tropical mangrove estuary. <i>Regional Studies in Marine Science</i> , 2019, 32, 100826. | 0.4 | 11 |
| 2209 | Effect of substituents on molybdenum triiodide complexes bearing PNP-type pincer ligands toward catalytic nitrogen fixation. <i>Dalton Transactions</i> , 2019, 48, 3182-3186. | 1.6 | 33 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2210 | Effects of forage source and particle size on chewing activity, ruminal pH, and saliva secretion in lactating Holstein cows. <i>Animal Science Journal</i> , 2019, 90, 382-392. | 0.6 | 3 |
| 2211 | Food-grade expression of an iron-containing acid urease in <i>Bacillus subtilis</i> . <i>Journal of Biotechnology</i> , 2019, 293, 66-71. | 1.9 | 10 |
| 2212 | Effects of Dietary Stevioside Supplementation on Feed Intake, Digestion, Ruminal Fermentation, and Blood Metabolites of Goats. <i>Animals</i> , 2019, 9, 32. | 1.0 | 15 |
| 2213 | Plasticity of functional traits and optimality of biomass allocation in elevational ecotypes of <i>Arabidopsis halleri</i> grown at different soil nutrient availabilities. <i>Journal of Plant Research</i> , 2019, 132, 237-249. | 1.2 | 6 |
| 2214 | Raman tracking the activity of urease in saliva for healthcare. <i>Biosensors and Bioelectronics</i> , 2019, 129, 24-28. | 5.3 | 25 |
| 2215 | Synthesis, crystal structures, Hirshfeld surface analysis and spectroscopic studies of two Schiff bases of anisaldehyde and their urease and acetylcholinesterase inhibitory and antioxidant properties. <i>Heliyon</i> , 2019, 5, e01758. | 1.4 | 3 |
| 2216 | Utility of anthranilic acid and diethylacetylenedicarboxylate for the synthesis of nitrogenous organo/organometallic compounds as urease inhibitors. <i>Archiv Der Pharmazie</i> , 2019, 352, e1800314. | 2.1 | 4 |
| 2217 | Optimization of process variables for enhanced production of urease by indigenous <i>Aspergillus niger</i> strains through response surface methodology. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101202. | 1.5 | 11 |
| 2218 | Synthesis and Catalytic Reactivity of Bis(molybdenum-trihalide) Complexes Bridged by Ferrocene Skeleton toward Catalytic Nitrogen Fixation. <i>Organometallics</i> , 2019, 38, 2863-2872. | 1.1 | 13 |
| 2219 | Effect of cashew nut shell liquid feeding on fermentation and microbiota in the rumen of Thai native cattle and swamp buffaloes. <i>Livestock Science</i> , 2019, 226, 99-106. | 0.6 | 12 |
| 2220 | Biocementation of soil by calcite/aragonite precipitation using <i>Pseudomonas</i> azotoformans and <i>Citrobacter freundii</i> derived enzymes. <i>RSC Advances</i> , 2019, 9, 17601-17611. | 1.7 | 14 |
| 2221 | Anthropogenic inputs from a coastal megacity are linked to greenhouse gas concentrations in the surrounding estuary. <i>Limnology and Oceanography</i> , 2019, 64, 2497-2511. | 1.6 | 21 |
| 2222 | Synthesis, in vitro urease inhibitory potential and molecular docking study of Benzimidazole analogues. <i>Bioorganic Chemistry</i> , 2019, 89, 103024. | 2.0 | 45 |
| 2223 | Phytotoxic Effects of Residual Glufosinate on the Nitrogen Assimilation of Transplanted Rapeseed Seedlings. <i>Communications in Soil Science and Plant Analysis</i> , 2019, 50, 1370-1385. | 0.6 | 0 |
| 2224 | Effects of the Organic Loading Rate on Polyhydroxyalkanoate Production from Sugarcane Stillage by Mixed Microbial Cultures. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 1039-1055. | 1.4 | 26 |
| 2225 | Effects of replacing soybean meal with raw or extruded blends containing faba bean or lupin seeds on nitrogen metabolism and performance of dairy cows. <i>Journal of Dairy Science</i> , 2019, 102, 5130-5147. | 1.4 | 16 |
| 2226 | The <i>Helicobacter pylori</i> Urease Virulence Factor Is Required for the Induction of Hypoxia-Induced Factor-1 α in Gastric Cells. <i>Cancers</i> , 2019, 11, 799. | 1.7 | 31 |
| 2227 | Dry matter intake, nutrient digestibility, chewing activity, and ruminal fermentation of raising Japanese Black steers fed diets containing whole crop corn silage at three levels. <i>Grassland Science</i> , 2019, 65, 241-248. | 0.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 2228 | Expression of a recombinant <i>Lentinula edodes</i> cellobiohydrolase by <i>Pichia pastoris</i> and its effects on in vitro ruminal fermentation of agricultural straws. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 146-155. | 3.6 | 25 |
| 2229 | Effects of clay mineral supplementation on particle-associated and epimural microbiota, and gene expression in the rumen of cows fed high-concentrate diet. <i>Anaerobe</i> , 2019, 59, 38-48. | 1.0 | 53 |
| 2230 | Leaf leachates have the potential to influence soil nitrification via changes in ammonia-oxidizing archaea and bacteria populations. <i>European Journal of Soil Science</i> , 2020, 71, 119-131. | 1.8 | 13 |
| 2231 | Long-Term Encapsulated Nitrate Supplementation Modulates Rumen Microbial Diversity and Rumen Fermentation to Reduce Methane Emission in Grazing Steers. <i>Frontiers in Microbiology</i> , 2019, 10, 614. | 1.5 | 41 |
| 2232 | Molybdenum-catalysed ammonia production with samarium diiodide and alcohols or water. <i>Nature</i> , 2019, 568, 536-540. | 13.7 | 330 |
| 2233 | Effects of Long-Term Dietary Protein Restriction on Intestinal Morphology, Digestive Enzymes, Gut Hormones, and Colonic Microbiota in Pigs. <i>Animals</i> , 2019, 9, 180. | 1.0 | 26 |
| 2234 | Methane production and microbial protein synthesis in adult sheep fed total mixed ration as mash and as complete feed block. <i>Carbon Management</i> , 2019, 10, 241-253. | 1.2 | 9 |
| 2235 | Legacy effects of invasive grass impact soil microbes and native shrub growth. <i>Invasive Plant Science and Management</i> , 2019, 12, 22-35. | 0.5 | 22 |
| 2236 | Studies on Isoniazid Derivatives through a Medicinal Chemistry Approach for the Identification of New Inhibitors of Urease and Inflammatory Markers. <i>Scientific Reports</i> , 2019, 9, 6738. | 1.6 | 21 |
| 2237 | Natural urease inhibitors from <i>Aloe vera</i> resin and <i>Lycium shawii</i> and their structural-activity relationship and molecular docking study. <i>Bioorganic Chemistry</i> , 2019, 88, 102955. | 2.0 | 13 |
| 2238 | Synthesis, antimicrobial, antioxidant, cytotoxic, antiurease and molecular docking studies of N-(3-trifluoromethyl)benzoyl-N ² -aryl thiourea derivatives. <i>Bioorganic Chemistry</i> , 2019, 88, 102946. | 2.0 | 26 |
| 2239 | Anti-inflammatory activity and accelerated stability studies of crude extract syrup of <i>Cannabis sativa</i> . <i>Tropical Journal of Pharmaceutical Research</i> , 2019, 18, 295. | 0.2 | 0 |
| 2240 | Chemolithoheterotrophy: Means to Higher Growth Yields from This Widespread Metabolic Trait. , 2019, , 493-517. | | 1 |
| 2241 | Synthesis, in vitro urease inhibitory activity, and molecular docking studies of (perfluorophenyl)hydrazone derivatives. <i>Medicinal Chemistry Research</i> , 2019, 28, 873-883. | 1.1 | 9 |
| 2242 | Synthesis of novel Schiff bases and azol- β -lactam derivatives starting from morpholine and thiomorpholine and investigation of their antitubercular, antiurease activity, acetylcholinesterase inhibition effect and antioxidant capacity. <i>Bioorganic Chemistry</i> , 2019, 88, 102928. | 2.0 | 31 |
| 2243 | Molecular docking, synthesis, kinetics study, structure-activity relationship and ADMET analysis of morin analogous as <i>Helicobacter pylori</i> urease inhibitors. <i>BMC Chemistry</i> , 2019, 13, 45. | 1.6 | 33 |
| 2244 | Enhanced urease inhibition activity of Ag nanomaterials capped with N-substituted methyl 5-acetamido- β -resorcyate. <i>Progress in Natural Science: Materials International</i> , 2019, 29, 129-137. | 1.8 | 4 |
| 2245 | Rumen fermentation, intramuscular fat fatty acid profiles and related rumen bacterial populations of Holstein bulls fed diets with different energy levels. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4931-4942. | 1.7 | 59 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2246 | Anthropogenic fine aerosols dominate over the Pune region, Southwest India. <i>Meteorology and Atmospheric Physics</i> , 2019, 131, 1497-1508. | 0.9 | 17 |
| 2247 | Cloning, expression, and characterization of a novel nitrilase, PaCNit, from <i>Pannonibacter carbonis</i> Q4.6. <i>Biotechnology Letters</i> , 2019, 41, 583-589. | 1.1 | 8 |
| 2248 | Fermentative capabilities of native yeast strains grown on juices from different Agave species used for tequila and mezcal production. <i>Brazilian Journal of Microbiology</i> , 2019, 50, 379-388. | 0.8 | 15 |
| 2249 | Synthesis and characterization of new thiosemicarbazones, as potent urease inhibitors: In vitro and in silico studies. <i>Bioorganic Chemistry</i> , 2019, 87, 155-162. | 2.0 | 41 |
| 2250 | Microwave synthesised Pd@TiO ₂ for photocatalytic ammonia production. <i>RSC Advances</i> , 2019, 9, 6387-6394. | 1.7 | 28 |
| 2251 | A nutritional and rumen ecological evaluation of the biorefinery by-product alfalfa silage cake supplemented with <i>Scrophularia striata</i> extract using the rumen simulation technique. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 4414-4422. | 1.7 | 6 |
| 2252 | Effect of Chinese herbal medicine on kinetics of plasma phenylalanine, tyrosine and whole body protein synthesis in sheep. <i>Animal Science Journal</i> , 2019, 90, 533-538. | 0.6 | 7 |
| 2253 | Leaf-cutter ants engineer large nitrous oxide hot spots in tropical forests. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20182504. | 1.2 | 15 |
| 2254 | A study on freshwater algal communities of pond ecosystems from southern Assam. <i>Vegetos</i> , 2019, 32, 19-32. | 0.8 | 5 |
| 2255 | In-silico design, synthesis, ADMET studies and biological evaluation of novel derivatives of Chlorogenic acid against Urease protein and <i>H. Pylori</i> bacterium. <i>BMC Chemistry</i> , 2019, 13, 41. | 1.6 | 16 |
| 2256 | Dung beetles and nutrient cycling in a dryland environment. <i>Catena</i> , 2019, 179, 66-73. | 2.2 | 30 |
| 2257 | Synthesis of novel Azol- β -lactam derivatives starting from phenyl piperazine and investigation of their antiurease activity and antioxidant capacity comparing with their molecular docking studies. <i>Journal of Molecular Structure</i> , 2019, 1189, 279-287. | 1.8 | 19 |
| 2258 | Laboratory study on nitrate removal and nitrous oxide emission in intact soil columns collected from nitrogenous loaded riparian wetland, Northeast China. <i>PLoS ONE</i> , 2019, 14, e0214456. | 1.1 | 5 |
| 2259 | What happens to soil nitrogen mineralization when nitrogen fertility changes?. <i>Journal of Plant Nutrition and Soil Science</i> , 2019, 182, 296-306. | 1.1 | 4 |
| 2260 | Effects of rice conservation methods on lactation, blood metabolites, and rumen fermentation in dairy cows. <i>Animal Science Journal</i> , 2019, 90, 649-654. | 0.6 | 1 |
| 2261 | Discovery of potential pathways for biological conversion of poplar wood into lipids by co-fermentation of <i>Rhodococci</i> strains. <i>Biotechnology for Biofuels</i> , 2019, 12, 60. | 6.2 | 69 |
| 2262 | Post-fire soil nutrient dynamics in a tropical dry deciduous forest of Western Ghats, India. <i>Forest Ecosystems</i> , 2019, 6, . | 1.3 | 13 |
| 2263 | Variability in the Chemical Composition and In Vitro Ruminant Fermentation of Olive Cake By-Products. <i>Animals</i> , 2019, 9, 109. | 1.0 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2264 | Production and characterization of biodegradable films of a novel polyhydroxyalkanoate (PHA) synthesized from peanut oil. <i>Food Packaging and Shelf Life</i> , 2019, 20, 100297. | 3.3 | 69 |
| 2265 | Synthesis, crystal structure and biological evaluation of new phosphoramidate derivatives as urease inhibitors using docking, QSAR and kinetic studies. <i>Bioorganic Chemistry</i> , 2019, 86, 482-493. | 2.0 | 20 |
| 2266 | Clinical enzymes inhibitory activities, antioxidant potential and phytochemical profile of <i>Vernonia oligocephala</i> (DC.) Sch.Bip. ex Walp roots. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101039. | 1.5 | 8 |
| 2267 | Antioxidant, tyrosinase and urease inhibitory activities of camel β -S-casein and its hydrolysate fractions. <i>Small Ruminant Research</i> , 2019, 173, 30-35. | 0.6 | 18 |
| 2268 | A four-hollow fibers geometry of revolving solvent bar microextraction setup for the enrichment of trace ammonia. <i>Talanta</i> , 2019, 199, 170-177. | 2.9 | 10 |
| 2269 | Symmetrical Heterocyclic Cage Skeleton: Synthesis, Urease Inhibition Activity, Kinetic Mechanistic Insight, and Molecular Docking Analyses. <i>Molecules</i> , 2019, 24, 312. | 1.7 | 18 |
| 2270 | Temporal fermentation and microbial community dynamics in rumens of sheep grazing a ryegrass-based pasture offered either in the morning or in the afternoon. <i>Animal</i> , 2019, 13, 2242-2251. | 1.3 | 6 |
| 2271 | Soil-targeted interventions could alleviate locust and grasshopper pest pressure in West Africa. <i>Science of the Total Environment</i> , 2019, 663, 632-643. | 3.9 | 24 |
| 2272 | Slight changes in the chemical structure of haemanthamine greatly influence the effect of the derivatives on rumen fermentation in vitro. <i>Scientific Reports</i> , 2019, 9, 2440. | 1.6 | 3 |
| 2273 | Improving the catalytic efficiency and stereoselectivity of a nitrilase from <i>Synechocystis</i> sp. PCC6803 by semi-rational engineering en route to chiral β -amino acids. <i>Catalysis Science and Technology</i> , 2019, 9, 1504-1510. | 2.1 | 13 |
| 2274 | Methane Emission, Rumen Fermentation, and Microbial Community Response to a Nitrooxy Compound in Low-Quality Forage Fed Hu Sheep. <i>Current Microbiology</i> , 2019, 76, 435-441. | 1.0 | 20 |
| 2275 | Adsorption of Ammonia Nitrogen in Aqueous Solution Using Zeolite A. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 639, 012050. | 0.3 | 4 |
| 2276 | Effect of protected and non-protected corn oil supplementation on in vitro rumen fermentation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 387, 012118. | 0.2 | 0 |
| 2277 | Effects of including bioactive legumes in grass silage on digestion parameters, nitrogen balance and methane emissions in sheep. <i>Grass and Forage Science</i> , 2019, 74, 626-635. | 1.2 | 6 |
| 2278 | Development of multi-metallic complexes using metal-salen complexes as building blocks. <i>Journal of Coordination Chemistry</i> , 2019, 72, 3183-3209. | 0.8 | 28 |
| 2279 | Methane emissions of manure from dairy cows fed red clover- or corn silage-based diets supplemented with linseed oil. <i>Journal of Dairy Science</i> , 2019, 102, 11766-11776. | 1.4 | 16 |
| 2280 | Variability and Potential of Seaweeds as Ingredients of Ruminant Diets: An In Vitro Study. <i>Animals</i> , 2019, 9, 851. | 1.0 | 29 |
| 2281 | Methane emissions of stored manure from dairy cows fed conventional or brown midrib corn silage. <i>Journal of Dairy Science</i> , 2019, 102, 10632-10638. | 1.4 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2282 | Effect of Phosphinothricin on Transgenic Downy Birch (<i>Betula pubescens</i> Ehrh.) Containing bar or GS1 Genes. <i>Forests</i> , 2019, 10, 1067. | 0.9 | 4 |
| 2283 | Effects of Dietary Energy on Growth Performance, Rumen Fermentation and Bacterial Community, and Meat Quality of Holstein-Friesians Bulls Slaughtered at Different Ages. <i>Animals</i> , 2019, 9, 1123. | 1.0 | 18 |
| 2284 | Effect of dietary supplementation with <i>Yucca schidigera</i> powder on nutrient digestibility, rumen fermentation, ruminal enzyme activities and growth performance of buffalo calves. <i>Biological Rhythm Research</i> , 2022, 53, 854-866. | 0.4 | 4 |
| 2285 | Comparative characteristics of cement materials in natural and artificial beachrocks using a petrographic method. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 3943-3958. | 1.6 | 5 |
| 2286 | Effect of adding formaldehyde treated protein alone and with <i>Saccharomyces cerevisiae</i> in diet on plane of nutrition, growth performance, rumen fermentation and microbial protein synthesis of finisher lambs. <i>Small Ruminant Research</i> , 2019, 171, 42-48. | 0.6 | 9 |
| 2287 | Exploration of organotin(IV) derivatives for medicinal applications: Synthesis, spectroscopic characterization, structural elucidation and molecular docking study. <i>Journal of Molecular Structure</i> , 2019, 1181, 93-108. | 1.8 | 36 |
| 2288 | Study on bulk to single particle analysis of atmospheric aerosols at urban region. <i>Urban Climate</i> , 2019, 27, 243-258. | 2.4 | 10 |
| 2289 | Efficacy of <i>Megasphaera elsdenii</i> inoculation in subacute ruminal acidosis in cattle. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 416-426. | 1.0 | 19 |
| 2290 | Low temperature acclimation and de-acclimation of the subtropical bromeliad <i>Nidularium minutum</i> : Implications of changes in the NO, sugar content and NR activity. <i>Environmental and Experimental Botany</i> , 2019, 159, 34-43. | 2.0 | 9 |
| 2291 | Digestion and nitrogen excretion by Holstein-Friesian cows in late lactation offered ryegrass-based pasture supplemented with fodder beet. <i>Animal Production Science</i> , 2019, 59, 1261. | 0.6 | 18 |
| 2292 | Biological, chemical and toxicological perspectives on aerial and roots of <i>Filago germanica</i> (L.) huds: Functional approaches for novel phyto-pharmaceuticals. <i>Food and Chemical Toxicology</i> , 2019, 123, 363-373. | 1.8 | 41 |
| 2293 | Fermentative profile and lactic acid bacterial dynamics in non-wilted and wilted alfalfa silage in tropical conditions. <i>Molecular Biology Reports</i> , 2019, 46, 451-460. | 1.0 | 39 |
| 2294 | In vitro bioactivity of extracts from seeds of <i>Cassia absus</i> L. growing in Pakistan. <i>Journal of Herbal Medicine</i> , 2019, 16, 100258. | 1.0 | 20 |
| 2295 | Synthesis of novel Schiff bases using green chemistry techniques; antimicrobial, antioxidant, antiurease activity screening and molecular docking studies. <i>Journal of Molecular Structure</i> , 2019, 1181, 412-422. | 1.8 | 50 |
| 2296 | Enzymatic method of urea determination in LTCC microfluidic system based on absorption photometry. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 375-384. | 4.0 | 17 |
| 2297 | Spectroscopic and mechanistic analysis of the interaction between Jack bean urease and polypseudorotaxane fabricated with bis-thiolated poly(ethylene glycol) and β -cyclodextrin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 176, 276-287. | 2.5 | 4 |
| 2298 | Effect of total mixed ration silage containing agricultural by-products with the fermented juice of epiphytic lactic acid bacteria on rumen fermentation and nitrogen balance in ewes. <i>Tropical Animal Health and Production</i> , 2019, 51, 1141-1149. | 0.5 | 6 |
| 2299 | Synthesis of terpenoid oxo derivatives with antiureolytic activity. <i>Molecular Biology Reports</i> , 2019, 46, 51-58. | 1.0 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2300 | Impacts of molybdenum-, nickel-, and lithium- oxide nanomaterials on soil activity and microbial community structure. <i>Science of the Total Environment</i> , 2019, 652, 202-211. | 3.9 | 40 |
| 2301 | Effects of recombinant swollenin on the enzymatic hydrolysis, rumen fermentation, and rumen microbiota during in vitro incubation of agricultural straws. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 348-358. | 3.6 | 14 |
| 2302 | Synthesis, in vitro urease inhibition and molecular docking studies of some novel quinazolin-4(3H)-one derivatives containing triazole, thiadiazole and thiosemicarbazide functionalities. <i>Bioorganic Chemistry</i> , 2019, 83, 289-296. | 2.0 | 37 |
| 2303 | Influence of various uropathogens on crystallization of urine mineral components caused by <i>Proteus mirabilis</i> . <i>Research in Microbiology</i> , 2019, 170, 80-85. | 1.0 | 8 |
| 2304 | Synthesis and in vitro urease inhibitory activity of benzohydrazide derivatives, in silico and kinetic studies. <i>Bioorganic Chemistry</i> , 2019, 82, 163-177. | 2.0 | 22 |
| 2305 | Physiologically adaptive plasticity in nutrient resorption efficiency of <i>Avicennia officinalis</i> L. under fluctuating saline environments in the Sundarbans of Bangladesh. <i>Hydrobiologia</i> , 2019, 828, 41-56. | 1.0 | 8 |
| 2306 | A new combined approach to improved lipid production using a strictly aerobic and oleaginous yeast. <i>Engineering in Life Sciences</i> , 2019, 19, 47-56. | 2.0 | 8 |
| 2307 | Soil bacterial community structure in Chinese wetlands. <i>Geoderma</i> , 2019, 337, 290-299. | 2.3 | 77 |
| 2308 | Synthesis of 3,4,5-trihydroxybenzohydrazone and evaluation of their urease inhibition potential. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2973-2982. | 2.3 | 20 |
| 2309 | Effects of Microencapsulated <i>Saccharomyces cerevisiae</i> on Growth, Hematological Indices, Blood Chemical, and Immune Parameters and Intestinal Morphology in Striped Catfish, <i>Pangasianodon hypophthalmus</i> . <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 427-437. | 1.9 | 28 |
| 2310 | Quantitative evaluation of ruminal methane and carbon dioxide formation from formate through C-13 stable isotope analysis in a batch culture system. <i>Animal</i> , 2019, 13, 90-97. | 1.3 | 4 |
| 2311 | Exploring biological efficacy of coumarin clubbed thiazolo[3,2-b][1,2,4]triazoles as efficient inhibitors of urease: A biochemical and in silico approach. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 345-354. | 3.6 | 31 |
| 2312 | Atenolol thiourea hybrid as potent urease inhibitors: Design, biology-oriented drug synthesis, inhibitory activity screening, and molecular docking studies. <i>Bioorganic Chemistry</i> , 2020, 94, 103359. | 2.0 | 23 |
| 2313 | Well-dispersed ultrasmall ruthenium on TiO ₂ (P25) for effective photocatalytic N ₂ fixation in ambient condition. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 387, 112100. | 2.0 | 34 |
| 2314 | Effect of dietary corn gluten inclusion on rumen fermentation, microbiota and methane emissions in goats. <i>Animal Feed Science and Technology</i> , 2020, 259, 114314. | 1.1 | 6 |
| 2315 | Green synthesis, urease inhibitory activity and antioxidant potential of 4-bromo-2-(((2-chloro-4-nitrophenyl)imino)methyl)phenol Schiff base. <i>Journal of Molecular Structure</i> , 2020, 1202, 127263. | 1.8 | 13 |
| 2316 | Antidiabetic activity of corn steep liquor extract of <i>Curculigo pilosa</i> and its solvent fractions in streptozotocin-induced diabetic rats. <i>Journal of Traditional and Complementary Medicine</i> , 2020, 10, 555-564. | 1.5 | 22 |
| 2317 | Effects of feed withdrawal duration on animal behaviour, rumen microbiota and blood chemistry in feedlot cattle: implications for rumen acidosis. <i>Animal</i> , 2020, 14, 66-77. | 1.3 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2318 | Decolorization and degradation potential of enhanced lignocellulolytic enzymes production by <i>Pleurotus eryngii</i> using cherry waste from industry. <i>Biotechnology and Applied Biochemistry</i> , 2020, 67, 760-773. | 1.4 | 10 |
| 2319 | Macroalgal activity against fungal urinary tract infections: in vitro screening and evaluation study. <i>Rendiconti Lincei</i> , 2020, 31, 165-175. | 1.0 | 8 |
| 2320 | Synthesis, characterization and molecular docking of some novel hydrazonothiazolines as urease inhibitors. <i>Bioorganic Chemistry</i> , 2020, 94, 103404. | 2.0 | 22 |
| 2321 | The interactive effect of nitrate/ammonium ratio and sodium chloride on Tunisian medicinal plant (<i>Nigella sativa</i> L.). <i>Journal of Plant Nutrition</i> , 2020, 43, 987-999. | 0.9 | 5 |
| 2322 | Towards the Production of mcl-PHA with Enriched Dominant Monomer Content: Process Development for the Sugarcane Biorefinery Context. <i>Journal of Polymers and the Environment</i> , 2020, 28, 844-853. | 2.4 | 20 |
| 2323 | Betaine addition as a potent ruminal fermentation modulator under hyperthermal and hyperosmotic conditions <i>in vitro</i> . <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 2261-2271. | 1.7 | 13 |
| 2324 | An Iodido-Bridged Dimer of Cubane-Type Ru ₃ S ₄ Cluster: Structural Rearrangement to New Octanuclear Core and Catalytic Reduction of Hydrazine. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1483-1489. | 1.0 | 1 |
| 2325 | Impact of a tannin extract on digestibility and net flux of metabolites across splanchnic tissues of sheep. <i>Animal Feed Science and Technology</i> , 2020, 261, 114384. | 1.1 | 10 |
| 2326 | Synthesis, crystal structure, evaluation of urease inhibition potential and the docking studies of cobalt(III) complex based on barbituric acid Schiff base ligand. <i>Inorganica Chimica Acta</i> , 2020, 503, 119405. | 1.2 | 18 |
| 2327 | Methane emission, nutrient utilization, microbial protein synthesis and growth performance in finisher lambs fed complete feed blocks containing phytochemical-rich forages of semi-arid region. <i>Carbon Management</i> , 2020, 11, 97-107. | 1.2 | 6 |
| 2328 | Effects of biochar produced from different biomass sources on digestibility, ruminal fermentation, microbial protein synthesis and growth performance of male lambs. <i>Small Ruminant Research</i> , 2020, 183, 106042. | 0.6 | 14 |
| 2329 | In vitro rumen fermentation of diets with different types of condensed tannins derived from sainfoin (<i>Onobrychis viciifolia</i> Scop.) pellets and hazelnut (<i>Corylus avellana</i> L.) pericarps. <i>Animal Feed Science and Technology</i> , 2020, 259, 114357. | 1.1 | 22 |
| 2330 | Insight into the inhibitory effects of <i>Zanthoxylum nitidum</i> against <i>Helicobacter pylori</i> urease and jack bean urease: Kinetics and mechanism. <i>Journal of Ethnopharmacology</i> , 2020, 249, 112419. | 2.0 | 29 |
| 2331 | Effect of altering ruminal pH by dietary buffer supplementation on methane emissions from sheep fed forage rape. <i>Animal</i> , 2020, 14, 952-962. | 1.3 | 9 |
| 2332 | Screening of natural lactic acid bacteria with potential effect on silage fermentation, aerobic stability and aflatoxin B1 in hot and humid area. <i>Journal of Applied Microbiology</i> , 2020, 128, 1301-1311. | 1.4 | 27 |
| 2333 | The phosphoenolpyruvate-pyruvate-oxaloacetate node genes and enzymes in <i>Streptomyces coelicolor</i> M-145. <i>International Microbiology</i> , 2020, 23, 429-439. | 1.1 | 20 |
| 2334 | Silica-supported heterogeneous catalysts-mediated synthesis of chalcones as potent urease inhibitors: in vitro and molecular docking studies. <i>Monatshefte für Chemie</i> , 2020, 151, 123-133. | 0.9 | 8 |
| 2335 | Nutrient and Pathogen Suppression Properties of Anaerobic Digestates from Dairy Manure and Food Waste Feedstocks. <i>Waste and Biomass Valorization</i> , 2020, 11, 6565-6573. | 1.8 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2336 | Development of biological soil crust prompts convergent succession of prokaryotic communities. <i>Catena</i> , 2020, 187, 104360. | 2.2 | 29 |
| 2337 | Ammonium nutrition modulates K ⁺ and N uptake, transport and accumulation during salt stress acclimation of sorghum plants. <i>Archives of Agronomy and Soil Science</i> , 2020, 66, 1991-2004. | 1.3 | 10 |
| 2338 | Effect of complete feed block with tree leaves rich in hydrolysable and condensed tannins on nutrient utilization, rumen fermentation and growth performance of lambs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 101-108. | 1.0 | 6 |
| 2339 | Preferential assimilation of NH ₄ ⁺ over NO ₃ ⁻ in tea plant associated with genes involved in nitrogen transportation, utilization and catechins biosynthesis. <i>Plant Science</i> , 2020, 291, 110369. | 1.7 | 33 |
| 2340 | Robust therapeutic potential of carbazole-triazine hybrids as a new class of urease inhibitors: A distinctive combination of nitrogen-containing heterocycles. <i>Bioorganic Chemistry</i> , 2020, 95, 103479. | 2.0 | 17 |
| 2341 | Risk assessment of the antifungal and insecticidal peptide Jaburetox and its parental protein the Jack bean (<i>Canavalia ensiformis</i>) urease. <i>Food and Chemical Toxicology</i> , 2020, 136, 110977. | 1.8 | 8 |
| 2342 | Feeding oregano oil and its main component carvacrol does not affect ruminal fermentation, nutrient utilization, methane emissions, milk production, or milk fatty acid composition of dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 1516-1527. | 1.4 | 42 |
| 2343 | Effects of pretreatment with reducing sugars or an enzymatic cocktail before extrusion of fava bean on nitrogen metabolism and performance of dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 396-409. | 1.4 | 8 |
| 2344 | Layer-by-layer self-assembly of multifunctional enzymatic UF membranes. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48750. | 1.3 | 7 |
| 2345 | Ruminal use of undegraded feed soluble protein and accuracy of the estimations of the nutrient content in ruminal bacteria. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 1608-1615. | 1.7 | 0 |
| 2346 | Inhibition of urease activity in the urinary tract pathogens <i>Staphylococcus saprophyticus</i> and <i>Proteus mirabilis</i> by dimethylsulfoxide (DMSO). <i>Journal of Applied Microbiology</i> , 2020, 128, 1514-1523. | 1.4 | 5 |
| 2347 | Sheep Rumen Fermentation Characteristics Affected by Feeding Frequency and Feeding Level When Fed Fresh Forage. <i>Animals</i> , 2020, 10, 7. | 1.0 | 5 |
| 2348 | N-monoarylacetothioureas as potent urease inhibitors: synthesis, SAR, and biological evaluation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 404-413. | 2.5 | 37 |
| 2349 | Probing sulphamethazine and sulphamethoxazole based Schiff bases as urease inhibitors; synthesis, characterization, molecular docking and ADME evaluation. <i>Bioorganic Chemistry</i> , 2020, 105, 104336. | 2.0 | 22 |
| 2350 | High-resolution cryo-EM structure of urease from the pathogen <i>Yersinia enterocolitica</i> . <i>Nature Communications</i> , 2020, 11, 5101. | 5.8 | 17 |
| 2351 | Drought-Induced Responses of Nitrogen Metabolism in <i>Ipomoea batatas</i> . <i>Plants</i> , 2020, 9, 1341. | 1.6 | 24 |
| 2352 | Effect of pineapple stem starch feeding on rumen microbial fermentation, blood lipid profile, and growth performance of fattening cattle. <i>Animal Science Journal</i> , 2020, 91, e13459. | 0.6 | 7 |
| 2353 | Flavonoid analogues as urease inhibitors: Synthesis, biological evaluation, molecular docking studies and in-silico ADME evaluation. <i>Bioorganic Chemistry</i> , 2020, 105, 104370. | 2.0 | 16 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2354 | Early feeding with hyperglucidic diet during fry stage exerts long-term positive effects on nutrient metabolism and growth performance in adult tilapia (<i>Oreochromis niloticus</i>). Journal of Nutritional Science, 2020, 9, e41. | 0.7 | 9 |
| 2355 | Novel thiobarbiturates as potent urease inhibitors with potential antibacterial activity: Design, synthesis, radiolabeling and biodistribution study. Bioorganic and Medicinal Chemistry, 2020, 28, 115759. | 1.4 | 26 |
| 2356 | HPLC-DAD phenolic profiles, antibiofilm, anti-quorum sensing and enzyme inhibitory potentials of <i>Camellia sinensis</i> (L.) O. Kuntze and <i>Curcuma longa</i> L.. LWT - Food Science and Technology, 2020, 133, 110150. | 2.5 | 34 |
| 2357 | Design, synthesize and antiurease activity of novel thiazole derivatives: Machine learning, molecular docking and biological investigation. Journal of Molecular Structure, 2020, 1222, 128860. | 1.8 | 4 |
| 2358 | Nitrogen enrichment affects soil enzymatic stoichiometry via soil acidification in arid and hot land. Pedobiologia, 2020, 81-82, 150663. | 0.5 | 7 |
| 2359 | Synthesis of novel xanthene based analogues: Their optical properties, jack bean urease inhibition and molecular modelling studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 241, 118667. | 2.0 | 9 |
| 2360 | Synthesis, in vitro urease inhibitory potential and molecular docking study of benzofuran-based-thiazolidinone analogues. Scientific Reports, 2020, 10, 10673. | 1.6 | 33 |
| 2361 | Chopping Roughage Length Improved Rumen Development of Weaned Calves as Revealed by Rumen Fermentation and Bacterial Community. Animals, 2020, 10, 2149. | 1.0 | 5 |
| 2362 | Heat Stress Increases In Vitro Hindgut Fermentation of Distinct Substrates in Iberian Pigs. Animals, 2020, 10, 2173. | 1.0 | 1 |
| 2363 | Use of cashew and castor essential oils to improve fibre digestibility in high forage diets: digestibility, ruminal fermentation and microbial protein synthesis. Semina:Ciencias Agrarias, 2020, 41, 3429-3440. | 0.1 | 4 |
| 2364 | Treatment of Whole-Plant Corn Silage With Lactic Acid Bacteria and Organic Acid Enhances Quality by Elevating Acid Content, Reducing pH, and Inhibiting Undesirable Microorganisms. Frontiers in Microbiology, 2020, 11, 593088. | 1.5 | 34 |
| 2365 | Fungichromin production by <i>Streptomyces</i> sp. WP-1, an endophyte from <i>Pinus dabeshanensis</i> , and its antifungal activity against <i>Fusarium oxysporum</i> . Applied Microbiology and Biotechnology, 2020, 104, 10437-10449. | 1.7 | 16 |
| 2366 | Selection of Lactic Acid Bacteria from Alfalfa Silage and Its Effects as Inoculant on Silage Fermentation. Agriculture (Switzerland), 2020, 10, 518. | 1.4 | 11 |
| 2367 | Electrocatalytic Multielectron Nitrite Reduction in Water by an Iron Complex. ACS Catalysis, 2020, 10, 13968-13972. | 5.5 | 34 |
| 2368 | Antiplasmodial effect and sub-acute toxicity of alkaloid, flavonoid and phenolic extracts of <i>Sida acuta</i> leaf on <i>Plasmodium berghei</i> -infected animals. Journal of Taibah University for Science, 2020, 14, 943-953. | 1.1 | 20 |
| 2369 | Biosynthesis of polyhydroxyalkanoates from vegetable oil under the co-expression of <i>fadE</i> and <i>phaJ</i> genes in <i>Cupriavidus necator</i> . International Journal of Biological Macromolecules, 2020, 164, 1600-1607. | 3.6 | 10 |
| 2370 | Thermoresponsive Gigaporous Microspheres Facilitate the Efficient Refolding of Recombinant Nitrilase Inclusion Bodies. ACS Omega, 2020, 5, 17918-17925. | 1.6 | 2 |
| 2371 | Effects of slow-release urea on in vitro rumen fermentation parameters, growth performance, nutrient digestibility and serum metabolites of beef cattle. Semina:Ciencias Agrarias, 2020, 41, 1399. | 0.1 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2372 | Replacing Barley and Soybean Meal With By-products, in a Pasture Based Diet, Alters Daily Methane Output and the Rumen Microbial Community in vitro Using the Rumen Simulation Technique (RUSITEC). <i>Frontiers in Microbiology</i> , 2020, 11, 1614. | 1.5 | 8 |
| 2373 | Effects of Hybrid and Grain Maturity Stage on the Ruminal Degradation and the Nutritive Value of Maize Forage for Silage. <i>Agriculture (Switzerland)</i> , 2020, 10, 251. | 1.4 | 14 |
| 2374 | The enrichment of anaerobic fungi and methanogens showed higher lignocellulose degrading and methane producing ability than that of bacteria and methanogens. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 125. | 1.7 | 14 |
| 2375 | Metabolomics reveals effects of rumen-protected glucose on metabolism of dairy cows in early lactation. <i>Animal Feed Science and Technology</i> , 2020, 269, 114620. | 1.1 | 11 |
| 2376 | Role of phosphate source in improving the proton conductivity of tin pyrophosphate and its composite electrolytes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16345-16354. | 5.2 | 15 |
| 2377 | Anti-urease and cytotoxic activity of 1-Nitro-2-phenylethane and Nerolidol; two major compounds isolated from the seeds of <i>Dennettia tripetala</i> . <i>Medicinal Chemistry Research</i> , 2020, 29, 1874-1881. | 1.1 | 1 |
| 2378 | A Mixed Phytogenic Modulates the Rumen Bacteria Composition and Milk Fatty Acid Profile of Water Buffaloes. <i>Frontiers in Veterinary Science</i> , 2020, 7, 569. | 0.9 | 11 |
| 2379 | Potential of Recycling Cauliflower and Romanesco Wastes in Ruminant Feeding: In Vitro Studies. <i>Animals</i> , 2020, 10, 1247. | 1.0 | 9 |
| 2380 | Milk production responses, rumen fermentation, and blood metabolites of dairy cows fed increasing concentrations of forage rape (<i>Brassica napus</i> ssp. <i>Biennis</i>). <i>Journal of Dairy Science</i> , 2020, 103, 9054-9066. | 1.4 | 9 |
| 2381 | Carbamate C-N Hydrolase Gene <i>ameH</i> Responsible for the Detoxification Step of Methomyl Degradation in <i>Aminobacter aminovorans</i> Strain MDW-2. <i>Applied and Environmental Microbiology</i> , 2020, 87, . | 1.4 | 11 |
| 2382 | Physicochemical stressors and mixed alkaloid supplementation modulate ruminal microbiota and fermentation in vitro. <i>Anaerobe</i> , 2020, 65, 102263. | 1.0 | 10 |
| 2383 | Isolation and Identification of Local Bacteria Produced from Soil-Borne Urease. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 901, 012035. | 0.3 | 3 |
| 2384 | Growth and Nutrient Acclimation of Evergreen Oak Seedlings Infected with <i>Boletus reticulatus</i> in Infertile Colluvial Soil in Warm Temperate Monsoon Asia: Evaluation of Early Growth. <i>Forests</i> , 2020, 11, 870. | 0.9 | 2 |
| 2385 | Heterologous Expression of <i>Vitreoscilla</i> Hemoglobin in <i>Pseudomonas putida</i> KT2440 for the Production of mcl-PHA in Carbon-Limited Fermentations. <i>Industrial Biotechnology</i> , 2020, 16, 233-240. | 0.5 | 1 |
| 2386 | A Novel Urease Inhibitor of Ruminal Microbiota Screened through Molecular Docking. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6006. | 1.8 | 5 |
| 2387 | <i>Camelina sativa</i> L. Oil Mitigates Enteric in vitro Methane Production, Modulates Ruminal Fermentation, and Ruminal Bacterial Diversity in Buffaloes. <i>Frontiers in Veterinary Science</i> , 2020, 7, 550. | 0.9 | 8 |
| 2388 | Effect of <i>Curculigo pilosa</i> supplemented diet on blood sugar, lipid metabolism, hepatic oxidative stress and carbohydrate metabolism enzymes in streptozotocin-induced diabetic rats. <i>Journal of Diabetes and Metabolic Disorders</i> , 2020, 19, 1173-1184. | 0.8 | 9 |
| 2389 | Dietary Energy Levels Affect Rumen Bacterial Populations that Influence the Intramuscular Fat Fatty Acids of Fattening Yaks (<i>Bos grunniens</i>). <i>Animals</i> , 2020, 10, 1474. | 1.0 | 23 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2390 | Effects of <i>Laetiporus sulphureus</i> -Fermented Wheat Bran on Growth Performance, Intestinal Microbiota and Digesta Characteristics in Broiler Chickens. <i>Animals</i> , 2020, 10, 1457. | 1.0 | 8 |
| 2391 | Selective Urease Inhibitory and Antimicrobial Activities of Transition Metal Complexes of Amino Acid Bearing Schiff Base Ligand: Thermal Degradation Behavior of Complexes. <i>Pharmaceutical Chemistry Journal</i> , 2020, 54, 469-477. | 0.3 | 7 |
| 2392 | Feed Intake, Methane Emissions, Milk Production and Rumen Methanogen Populations of Grazing Dairy Cows Supplemented with Various C 18 Fatty Acid Sources. <i>Animals</i> , 2020, 10, 2380. | 1.0 | 9 |
| 2393 | Deacidification by FhIA-dependent hydrogenase is involved in urease activity and urinary stone formation in uropathogenic <i>Proteus mirabilis</i> . <i>Scientific Reports</i> , 2020, 10, 19546. | 1.6 | 3 |
| 2394 | Utilization of Avocado and Mango Fruit Wastes in Multi-Nutrient Blocks for Goats Feeding: In Vitro Evaluation. <i>Animals</i> , 2020, 10, 2279. | 1.0 | 9 |
| 2395 | Antibiofilm and Enzyme Inhibitory Potentials of Two Annonaceous Food Spices, African Pepper (<i>Xylopia</i>) Tj ETQq1 1,0,784314 µgBT /Ove | 1.9 | 24 |
| 2396 | Overexpression of exogenous <i>biuret hydrolase</i> in rice plants confers tolerance to biuret toxicity. <i>Plant Direct</i> , 2020, 4, e00290. | 0.8 | 5 |
| 2397 | Muricazine, a new hydrazine derivative from <i>Ranunculus muricatus</i> L. with antioxidant, lipoxygenase and urease inhibitory activities. <i>Natural Product Research</i> , 2020, , 1-6. | 1.0 | 1 |
| 2398 | In Vitro and In Situ Evaluation of Broccoli Wastes as Potential Feed for Ruminants. <i>Animals</i> , 2020, 10, 1989. | 1.0 | 8 |
| 2399 | Pipeline for Targeted Meta-Proteomic Analyses to Assess the Diversity of Cattle Rumen Microbial Urease. <i>Frontiers in Microbiology</i> , 2020, 11, 573414. | 1.5 | 5 |
| 2400 | Enhanced molecular flexibility of β -zein in different polar solvents. <i>Journal of Cereal Science</i> , 2020, 96, 103097. | 1.8 | 7 |
| 2401 | Effects of grazing adaptation on intake, ruminal fermentation, blood metabolites, and body weight change in dairy cows after turning out to pasture in early spring. <i>Animal Science Journal</i> , 2020, 91, e13481. | 0.6 | 3 |
| 2402 | Effectiveness of Advanced Nitrogen-Removal Onsite Wastewater Treatment Systems in a New England Coastal Community. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1. | 1.1 | 5 |
| 2403 | Chemical Constituents and Biological Activities of the Oil from <i>Lycium shawii</i> STEM. <i>Chemistry of Natural Compounds</i> , 2020, 56, 1156-1158. | 0.2 | 2 |
| 2404 | Synthesis, in vitro alpha glucosidase, urease activities and molecular docking study of bis-indole bearing Schiff base analogs. <i>Chemical Data Collections</i> , 2020, 28, 100396. | 1.1 | 29 |
| 2405 | Convergent synthesis, <i>free radical</i> scavenging, <i>Lineweaver-Burk</i> plot exploration, hemolysis and in silico study of novel <i>indole-phenyltriazole</i> hybrid bearing acetamides as potent urease inhibitors. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 2955-2968. | 1.4 | 6 |
| 2406 | Effect of different corn processing methods on starch gelatinization, granule structure alternation, rumen kinetic dynamics and starch digestion. <i>Animal Feed Science and Technology</i> , 2020, 268, 114572. | 1.1 | 5 |
| 2407 | Vegetation rehabilitation increases soil enzyme activities in degraded land via carbon supply and nitrogen retention. <i>European Journal of Soil Biology</i> , 2020, 98, 103186. | 1.4 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2408 | The virulence factor urease and its unexplored role in the metabolism of <i>Cryptococcus neoformans</i> . FEMS Yeast Research, 2020, 20, . | 1.1 | 13 |
| 2409 | Searching for the Correlation Between the Activity of Urease and the Content of Nickel in the Soil Samples: The Role of Metal Speciation. Journal of Soil Science and Plant Nutrition, 2020, 20, 1904-1911. | 1.7 | 8 |
| 2410 | Complexes of N- and O-Donor Ligands as Potential Urease Inhibitors. ACS Omega, 2020, 5, 10200-10206. | 1.6 | 9 |
| 2411 | Influence of feeding sunflower seed and meal protected against ruminal fermentation on ruminal fermentation, bacterial composition and in situ degradability in sheep. Archives of Animal Nutrition, 2020, 74, 380-396. | 0.9 | 4 |
| 2412 | Microbial Community and Fermentation Dynamics of Corn Silage Prepared with Heat-Resistant Lactic Acid Bacteria in a Hot Environment. Microorganisms, 2020, 8, 719. | 1.6 | 41 |
| 2413 | A route to decreasing N pollution from livestock: Use of Festulolium hybrids improves efficiency of N flows in rumen simulation fermenters. Food and Energy Security, 2020, 9, e209. | 2.0 | 8 |
| 2414 | Performance, agronomic traits, ensilability and nutritive value of pearl millet cultivar harvested at different growth stages. Journal of Agricultural Science, 2020, 158, 225-232. | 0.6 | 1 |
| 2415 | Wetland plant community variation across replicate urban to rural gradients: non-native species as both drivers and passengers in systems impacted by anthropogenic land-use. Urban Ecosystems, 2020, 23, 1209-1226. | 1.1 | 7 |
| 2416 | In vitro degradability of corn silage and <i>Leymus chinensis</i> silage and evaluation of their mixed ratios on performance, digestion and serum parameters in beef cattle. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 1628-1636. | 1.0 | 3 |
| 2417 | Lactational response of early-lactation Holstein cows fed starch or floury corn silage. Journal of Dairy Science, 2020, 103, 5118-5130. | 1.4 | 1 |
| 2418 | Enamine Barbiturates and Thiobarbiturates as a New Class of Bacterial Urease Inhibitors. Applied Sciences (Switzerland), 2020, 10, 3523. | 1.3 | 5 |
| 2419 | Rumen digesta and products of fermentation in cows fed varying proportions of fodder beet (Beta) Tj ETQq1 1 0.784314 rgBT/Overlock | 0.6 | 13 |
| 2420 | Heavy Metals, Nitrogen, and Phosphorus in Sediments from the First Drinking Water Reservoir Supplied by Yangtze River in Shanghai, China: Spatial Distribution Characteristics and Pollution Risk Assessment. Water, Air, and Soil Pollution, 2020, 231, 1. | 1.1 | 10 |
| 2421 | The Archaeal Proteome Project advances knowledge about archaeal cell biology through comprehensive proteomics. Nature Communications, 2020, 11, 3145. | 5.8 | 40 |
| 2422 | High Nitrogen and Phosphorous Acquisition by Belowground Parts of <i>Caulerpa prolifera</i> (Chlorophyta) Contribute to the Species' Rapid Spread in Ria Formosa Lagoon, Southern Portugal. Journal of Phycology, 2020, 56, 608-617. | 1.0 | 14 |
| 2423 | Synthesis, Biological Evaluation and Molecular Docking of Deferasirox and Substituted 1,2,4-triazole Derivatives as Novel Potent Urease Inhibitors: Proposing Repositioning Candidate. Chemistry and Biodiversity, 2020, 17, e1900710. | 1.0 | 9 |
| 2424 | Bioassay-guided isolation and identification of anti-ulcer ecdysteroids from the seeds of <i>Sphenocentrum jollyanum</i> Pierre (Menispermaceae). Steroids, 2020, 159, 108636. | 0.8 | 7 |
| 2425 | Food-Based Composts Provide More Soil Fertility Benefits Than Cow Manure-Based Composts in Sandy Soils. Agriculture (Switzerland), 2020, 10, 69. | 1.4 | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2426 | Feeding diets varying in forage proportion and particle length to lactating dairy cows: I. Effects on ruminal pH and fermentation, microbial protein synthesis, digestibility, and milk production. <i>Journal of Dairy Science</i> , 2020, 103, 4340-4354. | 1.4 | 22 |
| 2427 | Nutrition of the seagrass <i>Cymodocea nodosa</i> : Pulses of ammonium but not of phosphate are crucial to sustain the species growth. <i>Marine Environmental Research</i> , 2020, 158, 104954. | 1.1 | 5 |
| 2428 | Milk production responses and rumen fermentation of dairy cows supplemented with summer brassicas. <i>Animal</i> , 2020, 14, 1684-1692. | 1.3 | 11 |
| 2429 | Moringa Oleifera Oil Modulates Rumen Microflora to Mediate In Vitro Fermentation Kinetics and Methanogenesis in Total Mix Rations. <i>Current Microbiology</i> , 2020, 77, 1271-1282. | 1.0 | 35 |
| 2430 | NH ₃ formation from N ₂ and H ₂ mediated by molecular tri-iron complexes. <i>Nature Chemistry</i> , 2020, 12, 740-746. | 6.6 | 42 |
| 2431 | Inoculation with rumen fluid in early life as a strategy to optimize the weaning process in intensive dairy goat systems. <i>Journal of Dairy Science</i> , 2020, 103, 5047-5060. | 1.4 | 25 |
| 2432 | Frequency of diet delivery to dairy cows: Effect on nutrient digestion, rumen fermentation, methane production, nitrogen utilization, and milk production. <i>Journal of Dairy Science</i> , 2020, 103, 7094-7109. | 1.4 | 7 |
| 2433 | <i>Chenopodium ambrosioides</i> var. <i>ambrosioides</i> leaf extracts possess regenerative and ameliorative effects against mercury-induced hepatotoxicity and nephrotoxicity. <i>Industrial Crops and Products</i> , 2020, 154, 112723. | 2.5 | 8 |
| 2434 | Tall fescue as an alternative to timothy fed with or without alfalfa to dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 8062-8073. | 1.4 | 2 |
| 2435 | Ceramides and other bioactive compounds from <i>Celtis tessmannii</i> Rendle. <i>Chemical Data Collections</i> , 2020, 28, 100483. | 1.1 | 5 |
| 2436 | In Vitro Fermentation Patterns and Methane Output of Perennial Ryegrass Differing in Water-Soluble Carbohydrate and Nitrogen Concentrations. <i>Animals</i> , 2020, 10, 1076. | 1.0 | 14 |
| 2437 | New π -block complexes of 1,10-phenanthroline and 1,3-benzothiazole-2-thiolate inhibit urease in silico and in vitro. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5842. | 1.7 | 4 |
| 2438 | Synthesis, structural properties, enzyme inhibition and molecular docking studies of (Z)-N'-(1-allyl-2-oxindolin-3-ylidene) methanesulfonylhydrazide and (Z)-N'-(1-allyl-2-oxindolin-3-ylidene)-3-nitrobenzenesulfonylhydrazide. <i>Journal of Molecular Structure</i> , 2020, 1221, 128880. | 1.8 | 6 |
| 2439 | Development of sulfonamide-based Schiff bases targeting urease inhibition: Synthesis, characterization, inhibitory activity assessment, molecular docking and ADME studies. <i>Bioorganic Chemistry</i> , 2020, 102, 104057. | 2.0 | 35 |
| 2440 | Application of condensed molasses fermentation solubles and lactic acid bacteria in corn silage production. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 2722-2731. | 1.7 | 13 |
| 2441 | Synthesis and urease inhibitory activity of 1,4-benzodioxane-based thiosemicarbazones: Biochemical and computational approach. <i>Journal of Molecular Structure</i> , 2020, 1209, 127922. | 1.8 | 17 |
| 2442 | Comparing the impacts of an invasive grass on nitrogen cycling and ammonia-oxidizing prokaryotes in high-nitrogen forests, open fields, and wetlands. <i>Plant and Soil</i> , 2020, 449, 65-77. | 1.8 | 6 |
| 2443 | Increasing of rumen fermentation products and digestibility of diets through urea-zeolite supplementation in-vitro. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 425, 012049. | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2444 | Synthesis, DFT calculations, biological investigation, molecular docking studies of β -lactam derivatives. <i>Journal of Molecular Structure</i> , 2020, 1208, 127891. | 1.8 | 30 |
| 2445 | Effect of traditionally used herb <i>Pedaliium murex</i> L. and its active compound pedalitin on urease expression for the management of kidney stone. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 833-839. | 1.8 | 12 |
| 2446 | Three Multi-Components Reaction: Synthesis and X-Ray Single-Crystal of Hydroacridinone-Based Hydrazino-S-Triazine Derivative as a New Class of Urease Inhibitor. <i>Crystals</i> , 2020, 10, 14. | 1.0 | 7 |
| 2447 | The effect of forage theoretical cut lengths on chewing activity, rumen fermentation, dissolved gases, and methane emissions in goats. <i>Animal Feed Science and Technology</i> , 2020, 263, 114454. | 1.1 | 6 |
| 2448 | Recombinant <i>Lentinula edodes</i> xylanase improved the hydrolysis and in vitro ruminal fermentation of soybean straw by changing its fiber structure. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 286-292. | 3.6 | 17 |
| 2449 | Effect of including functional oils in ovine diets on ruminal fermentation and performance. <i>Small Ruminant Research</i> , 2020, 185, 106084. | 0.6 | 5 |
| 2450 | Assessment of trace metal in macroalgae and sediment of the Sundarban mangrove estuary. <i>Applied Water Science</i> , 2020, 10, 1. | 2.8 | 17 |
| 2451 | Ruminal Fermentation, Growth Rate and Methane Production in Sheep Fed Diets Including White Clover, Soybean Meal or <i>Porphyra</i> sp.. <i>Animals</i> , 2020, 10, 79. | 1.0 | 7 |
| 2452 | Synthesis of novel tetra-substituted benzimidazole compounds containing certain heterostructures with antioxidant and anti-urease activities. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 1806-1815. | 1.4 | 11 |
| 2453 | Effects of enhanced efficiency nitrogen fertilizers on NH ₃ losses in a calcareous fluvo-aquic soil: a laboratory study. <i>Journal of Soils and Sediments</i> , 2020, 20, 1887-1896. | 1.5 | 4 |
| 2454 | Relationship between gain rate during the growing phase and forage allowance in the finishing phase in Nellore cattle. <i>Tropical Animal Health and Production</i> , 2020, 52, 1881-1891. | 0.5 | 7 |
| 2455 | Effects of concentrate levels and pineapple stem on growth performance, carcass and meat quality of dairy steers. <i>Tropical Animal Health and Production</i> , 2020, 52, 1911-1917. | 0.5 | 5 |
| 2456 | Bioactive constituents from <i>Manilkara obovata</i> (Sabine & G.Don) J.H.Hemsl. <i>Natural Product Research</i> , 2021, 35, 4347-4356. | 1.0 | 2 |
| 2457 | Glucose Injection Into Yolk Positively Modulates Intermediary Metabolism and Growth Performance in Juvenile Nile Tilapia (<i>Oreochromis niloticus</i>). <i>Frontiers in Physiology</i> , 2020, 11, 286. | 1.3 | 12 |
| 2458 | Improving activity and stabilization of urease by crosslinking to nanoaggregate forms for herbicide degradation. <i>International Journal of Biological Macromolecules</i> , 2020, 158, 521-529. | 3.6 | 7 |
| 2459 | Co-production of lipid, exopolysaccharide and single-cell protein by <i>Sporidiobolus pararoseus</i> under ammonia nitrogen-limited conditions. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 1403-1414. | 1.7 | 13 |
| 2460 | Effect of Supplemental Protease on Growth Performance and Excreta Microbiome of Broiler Chicks. <i>Microorganisms</i> , 2020, 8, 475. | 1.6 | 14 |
| 2461 | Feeding forage or concentrates early in life influences rumen fermentation, metabolic response, immune function and growth of Wagyu \times Friesian calves. <i>Animal Production Science</i> , 2020, 60, 1418. | 0.6 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2462 | Nitrogen sources and CO ₂ concentration synergistically affect the growth and metabolism of tobacco plants. <i>Photosynthesis Research</i> , 2020, 144, 327-339. | 1.6 | 8 |
| 2463 | Digestive Fermentation, Antioxidant Status, and Haemato-Biochemical Indices of Growing Rabbits Fed on Diets Supplemented with <i>Ziziphus spina-christi</i> Leaf. <i>Journal of Nutrition and Metabolism</i> , 2020, 1-6. | 0.7 | 2 |
| 2464 | Internal ammonium excess induces ROS-mediated reactions and causes carbon scarcity in rice. <i>BMC Plant Biology</i> , 2020, 20, 143. | 1.6 | 37 |
| 2465 | Feeding Agroindustrial Byproducts to Light Lambs: Influence on Growth Performance, Diet Digestibility, Nitrogen Balance, Ruminal Fermentation, and Plasma Metabolites. <i>Animals</i> , 2020, 10, 600. | 1.0 | 15 |
| 2466 | Crotoliganfuran, a new clerodane-type furano-diterpenoid from <i>Croton oligandrus</i> Pierre ex Hutch. <i>Natural Product Research</i> , 2021, 35, 63-71. | 1.0 | 6 |
| 2467 | Association of fibre degradation with ruminal dissolved hydrogen in growing beef bulls fed with two types of forages. <i>British Journal of Nutrition</i> , 2021, 125, 601-610. | 1.2 | 4 |
| 2468 | Structural basis of binding and justification for the urease inhibitory activity of acetamide hybrids of N-substituted 1,3,4-oxadiazoles and piperidines. <i>Journal of Molecular Structure</i> , 2021, 1223, 129141. | 1.8 | 9 |
| 2469 | Combined liquid phase microextraction and fiber-optics-based cuvetteless micro-spectrophotometry for sensitive determination of ammonia in water and food samples by the indophenol reaction. <i>Food Chemistry</i> , 2021, 340, 128156. | 4.2 | 18 |
| 2470 | A new cerebroside and bioactive compounds from <i>Celtis adolphi-friderici</i> Engl. (Cannabaceae). <i>Biochemical Systematics and Ecology</i> , 2021, 94, 104201. | 0.6 | 4 |
| 2471 | Marine urease with higher thermostability, pH and salinity tolerance from marine sponge-derived <i>Penicillium steckii</i> S4-4. <i>Marine Life Science and Technology</i> , 2021, 3, 77-84. | 1.8 | 0 |
| 2472 | Foraging behaviour, digestion and growth performance of sheep grazing on dried vetch pasture cropped under conservation agriculture. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, 105, 51-58. | 1.0 | 4 |
| 2473 | Biochemical modulations in a ßa ß-palm (<i>Euterpe oleracea</i> Mart.) under vegetative stages in an agroforestry system of the Amazon. <i>Journal of Plant Nutrition and Soil Science</i> , 2021, 184, 76-87. | 1.1 | 1 |
| 2474 | Inverting the Enantiopreference of Nitrilaseâ€Catalyzed Desymmetric Hydrolysis of Prochiral Dinitriles by Reshaping the Binding Pocket with a Mirrorâ€Image Strategy. <i>Angewandte Chemie</i> , 2021, 133, 3723-3728. | 1.6 | 1 |
| 2475 | Salt tolerance induced by hydrogen peroxide priming on seed is related to improvement of ion homeostasis and antioxidative defense in sunflower plants. <i>Journal of Plant Nutrition</i> , 2021, 44, 1207-1221. | 0.9 | 13 |
| 2476 | Inverting the Enantiopreference of Nitrilaseâ€Catalyzed Desymmetric Hydrolysis of Prochiral Dinitriles by Reshaping the Binding Pocket with a Mirrorâ€Image Strategy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3679-3684. | 7.2 | 14 |
| 2477 | Dihydropyrimidones: A ligands urease recognition study and mechanistic insight through in vitro and in silico approach. <i>Medicinal Chemistry Research</i> , 2021, 30, 120-132. | 1.1 | 3 |
| 2478 | Synthesis, urease inhibition screening and molecular docking studies of piperonal based imine derivatives. <i>Medicinal Chemistry Research</i> , 2021, 30, 226-235. | 1.1 | 5 |
| 2479 | Effects of vegetation type, season, and soil properties on soil microbial community in subtropical forests. <i>Applied Soil Ecology</i> , 2021, 158, 103813. | 2.1 | 30 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2480 | Geographic Linkages of Root Traits to Salt Marsh Productivity. <i>Ecosystems</i> , 2021, 24, 726-737. | 1.6 | 14 |
| 2481 | Identification and molecular modeling of new quinolin-2-one thiosemicarbazide scaffold with antimicrobial urease inhibitory activity. <i>Molecular Diversity</i> , 2021, 25, 13-27. | 2.1 | 16 |
| 2482 | Identification of the core rumen bacterial taxa and their population dynamics during the fattening period in Japanese Black cattle. <i>Animal Science Journal</i> , 2021, 92, e13601. | 0.6 | 12 |
| 2483 | Fat protection with <i>Cinnamomum Burmannii</i> : Its effect on fermentation parameters and rumen microbial activity. <i>AIP Conference Proceedings</i> , 2021, , . | 0.3 | 0 |
| 2484 | Effect of zeolite administration on nitrogen metabolism and excretion in lactating dairy cows offered pasture herbage. <i>Animal Production Science</i> , 2021, 61, 560. | 0.6 | 2 |
| 2485 | Effect of trehalose supplementation in milk replacer on the incidence of diarrhea and fecal microbiota in preweaned calves. <i>Journal of Animal Science</i> , 2021, 99, . | 0.2 | 4 |
| 2486 | Ascorbic acid coadministration with artesunate and amodiaquine, up-regulated antioxidant enzymes gene expression in bone marrow cells and elicited biochemical changes in Plasmodium berghei-infected mice. <i>SN Applied Sciences</i> , 2021, 3, 1. | 1.5 | 3 |
| 2487 | Discovery of an ultraspecific triuret hydrolase (TrtA) establishes the triuret biodegradation pathway. <i>Journal of Biological Chemistry</i> , 2021, 296, 100055. | 1.6 | 2 |
| 2488 | Oral acute and sub-chronic toxicity assessment of aqueous leaf extract of <i>Simarouba glauca</i> DC (Paradise tree). <i>Toxicology Reports</i> , 2021, 8, 239-247. | 1.6 | 18 |
| 2489 | Effects of grazing adaptation on herbage intake, milk production, and body weight change in lactating dairy cows after turning out to pasture in early spring. <i>Animal Science Journal</i> , 2021, 92, e13639. | 0.6 | 0 |
| 2490 | Feeding cashew nut shell liquid decreases methane production from feces by altering fecal bacterial and archaeal communities in Thai local ruminants. <i>Animal Science Journal</i> , 2021, 92, e13569. | 0.6 | 3 |
| 2491 | Effects of ruminal administration of soy sauce oil on functional fatty acids in the rumen, blood and milk of dairy cows. <i>Animal Bioscience</i> , 2021, 34, 66-73. | 0.8 | 1 |
| 2492 | Effect of <i>Bacillus subtilis</i> 102 supplementation in milk replacer on growth and rumen microbiota in preweaned calves. <i>Animal Science Journal</i> , 2021, 92, e13580. | 0.6 | 1 |
| 2493 | Diets supplemented with condensed and hydrolysable tannins affected rumen fatty acid profile and plasmalogen lipids, ammonia and methane production in an in vitro study. <i>Italian Journal of Animal Science</i> , 2021, 20, 935-946. | 0.8 | 12 |
| 2494 | Oligandrin, a New Ent-Pimarane Type Diterpenoid and Other Bioactive Constituents from the Leaves of <i>Croton oligandrus</i> . <i>Chemistry of Natural Compounds</i> , 2021, 57, 94-100. | 0.2 | 2 |
| 2495 | Effects of soybean meal supplementation on ruminal kinetics of feed particle size reduction and passage in dairy cows fed rice straw. <i>Animal Science Journal</i> , 2021, 92, e13590. | 0.6 | 0 |
| 2496 | Long-term increasing trends in the wet deposition of secondary inorganic constituents in SW Indian precipitation. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 667-677. | 1.5 | 0 |
| 2497 | Dynamics of Soil Nitrogen Availability Following Sunn Hemp Residue Incorporation in Organic Strawberry Production Systems. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2021, 56, 138-146. | 0.5 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2498 | Study on the Activity of a New Amidase Signature (AS) Family. <i>Journal of Biobased Materials and Bioenergy</i> , 2021, 15, 112-116. | 0.1 | 0 |
| 2499 | Are the effects of dietary lipid content in grazing beef cattle independent of the amount of concentrate supplement?. <i>Semina: Ciências Agrárias</i> , 2021, 42, 827-844. | 0.1 | 0 |
| 2500 | The urea transporter DUR3 is differentially regulated by abiotic and biotic stresses in coffee plants. <i>Physiology and Molecular Biology of Plants</i> , 2021, 27, 203-212. | 1.4 | 3 |
| 2501 | Data on pilot assessment of efficacy of artemether lumefantrine when co-administered with ciprofloxacin in malaria-typhoid co-infected patients. <i>Data in Brief</i> , 2021, 34, 106732. | 0.5 | 0 |
| 2502 | Slow-Release Urea as a Sustainable Alternative to Soybean Meal in Ruminant Nutrition. <i>Sustainability</i> , 2021, 13, 2464. | 1.6 | 10 |
| 2503 | Seasonal and Spatial Distribution and Pollution Assessment of Nitrogen and Phosphorus in Sediments from One of the World's Largest Tidal Reservoirs. <i>Water (Switzerland)</i> , 2021, 13, 395. | 1.2 | 3 |
| 2504 | Efeito da inoculação de sementes com <i>Azospirillum brasilense</i> sobre o fracionamento nitrogenado e glicídico em silagens de sorgo. <i>Research, Society and Development</i> , 2021, 10, e16710212321. | 0.0 | 0 |
| 2505 | Effect of Chitosan Inclusion and Dietary Crude Protein Level on Nutrient Intake and Digestibility, Ruminal Fermentation, and N Excretion in Beef Heifers Offered a Grass Silage Based Diet. <i>Animals</i> , 2021, 11, 771. | 1.0 | 13 |
| 2506 | Analysis of <i>Achyranthes aspera</i> L. extracts for their α -Amylase and urease inhibitory activities. <i>Journal of Drug Delivery and Therapeutics</i> , 2021, 11, 108-112. | 0.2 | 2 |
| 2507 | Biochemical metabolism of young plants of <i>Ucuba</i> (<i>Virola surinamensis</i>) in the presence of cadmium. <i>BMC Plant Biology</i> , 2021, 21, 151. | 1.6 | 1 |
| 2508 | PEGylation of poly(hydroxybutyrate) into multicomponent nanostructures and loading thereon with bioactive molecules for potential biomedical applications. <i>Journal of Polymer Research</i> , 2021, 28, 1. | 1.2 | 7 |
| 2509 | Buckwheat conservation as hay or silage: agronomic evaluation, nutritive value, conservation quality, and intake by lactating dairy goats. <i>Tropical Animal Health and Production</i> , 2021, 53, 215. | 0.5 | 3 |
| 2510 | Transcriptomic analysis reveals the molecular mechanisms of rumen wall morphological and functional development induced by different solid diet introduction in a lamb model. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 33. | 2.1 | 19 |
| 2511 | A novel ammoniation treatment of barley as a strategy to optimize rumen pH, feed degradability and microbial protein synthesis in sheep. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 5541-5549. | 1.7 | 3 |
| 2512 | Optimization of Synthetic Media Composition for <i>Kluyveromyces marxianus</i> Fed-Batch Cultivation. <i>Fermentation</i> , 2021, 7, 62. | 1.4 | 8 |
| 2513 | Graphene Oxide/Urease Nanobiosensor Applied for Cadmium Detection in River Water. <i>IEEE Sensors Journal</i> , 2021, 21, 9626-9633. | 2.4 | 17 |
| 2514 | Therapeutic potential of N-substituted thiosemicarbazones as new urease inhibitors: Biochemical and in silico approach. <i>Bioorganic Chemistry</i> , 2021, 109, 104691. | 2.0 | 10 |
| 2515 | Synthesis, molecular docking, and biological evaluation of nitroimidazole derivatives as potent urease inhibitors. <i>Medicinal Chemistry Research</i> , 2021, 30, 1220-1229. | 1.1 | 18 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2516 | Inhibition Profiling of Urease and Carbonic Anhydrase II by High- Throughput Screening and Molecular Docking Studies of Structurally Diverse Organic Compounds. Letters in Drug Design and Discovery, 2021, 18, 299-312. | 0.4 | 3 |
| 2517 | Effects of dietary inclusion of Moringa oleifera leaf meal on nutrient digestibility, rumen fermentation, ruminal enzyme activities and growth performance of buffalo calves. Saudi Journal of Biological Sciences, 2021, 28, 4430-4436. | 1.8 | 13 |
| 2518 | Assessment of inhibitory properties of flavonoid-rich fig (Ficus carica L.) peel extracts against tyrosinase, α -glucosidase, urease and cholinesterases enzymes, and relationship with antioxidant activity. European Journal of Integrative Medicine, 2021, 43, 101272. | 0.8 | 25 |
| 2519 | Influence of energy supplementation on associative effects in Nellore bulls on a tropical pasture during the rainy season. Semina:Ciencias Agrarias, 2021, 42, 2585-2598. | 0.1 | 0 |
| 2520 | Plant growth-promoting bacteria improve growth and nitrogen metabolism in maize and sorghum. Theoretical and Experimental Plant Physiology, 2021, 33, 249-260. | 1.1 | 9 |
| 2521 | Consequences of herbal mixture supplementation on milk performance, ruminal fermentation, and bacterial diversity in water buffaloes. PeerJ, 2021, 9, e11241. | 0.9 | 4 |
| 2522 | New isolate from <i>Salvinia molesta</i> with antioxidant and urease inhibitory activity. Drug Development Research, 2021, 82, 1169-1181. | 1.4 | 12 |
| 2523 | Bioactivities and phenolic constituents relationship of Muğla thyme and pine honey of Turkey with the chemometric approach. Journal of Food Measurement and Characterization, 2021, 15, 3694-3707. | 1.6 | 15 |
| 2524 | Corn silage-based diet supplemented with increasing amounts of linseed oil: Effects on methane production, rumen fermentation, nutrient digestibility, nitrogen utilization, and milk production of dairy cows. Journal of Dairy Science, 2021, 104, 5375-5390. | 1.4 | 13 |
| 2525 | Inhibition of <i>in Vitro</i> Rumen Methane Production by Three Statins. Annals of Animal Science, 2022, 22, 271-282. | 0.6 | 4 |
| 2526 | Synthesis, Structures, and Reactivities of Iron Complexes Bearing an Isoindoline-Based, Polyprotic Pincer-Type Pyrazole Ligand. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1471-1477. | 0.6 | 1 |
| 2527 | Graphite Conjugation of a Macrocyclic Cobalt Complex Enhances Nitrite Electroreduction to Ammonia. Journal of the American Chemical Society, 2021, 143, 7203-7208. | 6.6 | 54 |
| 2528 | Microbial linkages to soil biogeochemical processes in a poorly drained agricultural ecosystem. Soil Biology and Biochemistry, 2021, 156, 108228. | 4.2 | 22 |
| 2529 | Filling in the Gaps in Metformin Biodegradation: a New Enzyme and a Metabolic Pathway for Guanlylurea. Applied and Environmental Microbiology, 2021, 87, . | 1.4 | 17 |
| 2530 | Biological soil crusts from the Monte desert affect soil moisture and nutrients, and improve Leptochloa crinita grass development. Acta Oecologica, 2021, 110, 103712. | 0.5 | 4 |
| 2531 | Design and synthesis of thiobarbituric acid analogues as potent urease inhibitors. Journal of Molecular Structure, 2021, 1231, 129959. | 1.8 | 17 |
| 2532 | Legacy of bark beetles (Dendroctonus spp.) on soil carbon and nitrogen cycling seven years after forest infestation. Forest Ecology and Management, 2021, 489, 119064. | 1.4 | 1 |
| 2533 | Estimating <i>in vitro</i> ruminal ammonia-N using multiple linear models and artificial neural networks based on the CNCPS nitrogenous fractions of cattle rations with low concentrate/roughage ratios. Journal of Animal Physiology and Animal Nutrition, 2022, 106, 841-853. | 1.0 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2534 | New Potential Monotherapeutic Candidates for Helicobacter pylori: Some Pyridinazo Compounds Having Both Urease Enzyme Inhibition and Anti-Helicobacter pylori Effectiveness. <i>Pharmaceutical Chemistry Journal</i> , 2021, 55, 246-252. | 0.3 | 5 |
| 2535 | Carbon, nitrogen, and phosphorus variation along a green roof chronosequence: Implications for green roof ecosystem development. <i>Ecological Engineering</i> , 2021, 164, 106211. | 1.6 | 7 |
| 2536 | High Performance Mixed-Matrix Electrospun Membranes for Ammonium Removal from Wastewaters. <i>Membranes</i> , 2021, 11, 440. | 1.4 | 3 |
| 2537 | Urease Inhibitory Kinetic Studies of Various Extracts and Pure Compounds from Cinnamomum Genus. <i>Molecules</i> , 2021, 26, 3803. | 1.7 | 7 |
| 2538 | Utilization of fruit and vegetable waste as an alternative feed resource for sustainable and eco-friendly sheep farming. <i>Waste Management</i> , 2021, 128, 232-242. | 3.7 | 26 |
| 2539 | Dynamics of rumen bacterial composition of yak (<i>Bos grunniens</i>) in response to dietary supplements during the cold season. <i>PeerJ</i> , 2021, 9, e11520. | 0.9 | 7 |
| 2540 | Metal Bioaccumulation, Cytogenetic and Clinico-Biochemical Alterations in <i>Rattus norvegicus</i> Exposed In Situ to a Municipal Solid Waste Landfill in Lagos, Nigeria. <i>Biological Trace Element Research</i> , 2022, 200, 1287-1302. | 1.9 | 4 |
| 2541 | An intensive short term study on interaction between phytoplankton communities and rapidly deteriorating pond ecosystems from Thiruvallur District, Tamilnadu, India. <i>Vegetos</i> , 2021, 34, 909-918. | 0.8 | 1 |
| 2542 | Nitrate concentration and nitrate/ammonium ratio on lettuce grown in hydroponics in Southern Amazon. <i>African Journal of Agricultural Research Vol Pp</i> , 2021, 17, 862-868. | 0.2 | 11 |
| 2543 | Anti-Helicobacter pylori Activity of <i>Artemisia ludoviciana</i> subsp. <i>mexicana</i> and Two of Its Bioactive Components, Estafiatin and Eupatilin. <i>Molecules</i> , 2021, 26, 3654. | 1.7 | 16 |
| 2544 | Syringic acid from rice as a biological nitrification and urease inhibitor and its synergism with 1,9-decanediol. <i>Biology and Fertility of Soils</i> , 2022, 58, 277-289. | 2.3 | 11 |
| 2545 | <i>Proteus mirabilis</i> Urease: Unsuspected Non-Enzymatic Properties Relevant to Pathogenicity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7205. | 1.8 | 10 |
| 2546 | Exploring biologically active hybrid pharmacophore N-substituted hydrazine-carbothioamides for urease inhibition: In vitro and in silico approach. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 534-544. | 3.6 | 6 |
| 2547 | Potassium carbonate as a supplement to improve milk fat concentration and yield in early-lactating dairy goats fed a high-starch, low-fiber diet. <i>Journal of Dairy Science</i> , 2021, 104, 7794-7807. | 1.4 | 0 |
| 2548 | Phenolic Composition, Enzyme Inhibitory and Anti-quorum Sensing Activities of Cinnamon (<i>Cinnamomum zeylanicum</i> Blume) and Basil (<i>Ocimum basilicum</i> Linn). <i>Chemistry Africa</i> , 2021, 4, 759-767. | 1.2 | 29 |
| 2549 | Growth performance, rumen fermentation and economic analysis of Malpura lambs raised on milk replacer at different weaning age under semiarid conditions. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, , . | 1.0 | 0 |
| 2550 | Chelerythrine Chloride: A Potential Rumen Microbial Urease Inhibitor Screened by Targeting UreG. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8212. | 1.8 | 8 |
| 2551 | Expression dynamics of genes encoding nitrate and ammonium assimilation enzymes in rice genotypes exposed to reproductive stage salinity stress. <i>Plant Physiology and Biochemistry</i> , 2021, 165, 161-172. | 2.8 | 15 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2552 | Dietary cardoon meal modulates rumen biohydrogenation and bacterial community in lambs. <i>Scientific Reports</i> , 2021, 11, 16180. | 1.6 | 5 |
| 2553 | Belowground effects of deer in a temperate forest are time-dependent. <i>Forest Ecology and Management</i> , 2021, 493, 119228. | 1.4 | 5 |
| 2554 | Method of diet delivery to dairy cows: Effects on nutrient digestion, rumen fermentation, methane emissions from enteric fermentation and stored manure, nitrogen excretion, and milk production. <i>Journal of Dairy Science</i> , 2021, 104, 11686-11698. | 1.4 | 0 |
| 2555 | <i>Astragalus mollissimus</i> plant extract: a strategy to reduce ruminal methanogenesis. <i>Tropical Animal Health and Production</i> , 2021, 53, 436. | 0.5 | 3 |
| 2556 | Mitigation of ruminal methane production with enhancing the fermentation by supplementation of different tropical forage legumes. <i>Environmental Science and Pollution Research</i> , 2021, , 1. | 2.7 | 4 |
| 2557 | Facile synthesis, DNA binding, Urease inhibition, anti-oxidant, molecular docking and DFT studies of 3-(3-Bromo-phenyl)-1-(2-trifluoromethyl-phenyl)-propanone and 3-(3-Bromo-5) Tj ETQq1 1 0.784314 rgBT /Overlock 30 Tf 50 f537 Td (ch | 1.3 | 1 |
| 2558 | Effect of Methionine Supplementation on Rumen Microbiota, Fermentation, and Amino Acid Metabolism in In Vitro Cultures Containing Nitrate. <i>Microorganisms</i> , 2021, 9, 1717. | 1.6 | 13 |
| 2559 | Effects of Age, Diet CP, NDF, EE, and Starch on the Rumen Bacteria Community and Function in Dairy Cattle. <i>Microorganisms</i> , 2021, 9, 1788. | 1.6 | 9 |
| 2560 | Zenkeramide: a new iso-benzofuranone propanamide and urease inhibitory constituents of <i>Celtis zenkeri</i> Engl stem bark (Ulmaceae). <i>Natural Product Research</i> , 2021, , 1-6. | 1.0 | 2 |
| 2561 | Increasing relative abundance of non-cyanobacterial photosynthetic organisms drives ecosystem multifunctionality during the succession of biological soil crusts. <i>Geoderma</i> , 2021, 395, 115052. | 2.3 | 12 |
| 2562 | Equipment-free quantitative determination of urea based on paper-based sensor via urease-mediated chitosan viscosity change. <i>Enzyme and Microbial Technology</i> , 2021, 148, 109830. | 1.6 | 10 |
| 2563 | Effects of root extracts of three traditional Chinese herbs as dietary supplements on dry matter intake, average daily gain, rumen fermentation and ruminal microbiota in early weaned yak calves. <i>Animal Feed Science and Technology</i> , 2021, 278, 115002. | 1.1 | 8 |
| 2564 | Effects of two tannin extracts at different doses in interaction with a green or dry forage substrate on in vitro rumen fermentation and biohydrogenation. <i>Animal Feed Science and Technology</i> , 2021, 278, 114977. | 1.1 | 19 |
| 2565 | Nutrients and anti-nutrients in leaf litter of four selected mangrove species from the Sundarbans, Bangladesh and their effect on shrimp (<i>Penaeus monodon</i> , Fabricius, 1798) post larvae. <i>Aquaculture</i> , 2021, 542, 736865. | 1.7 | 12 |
| 2566 | Glucose injection into the yolk influences intermediary metabolism in adult Nile tilapia fed with high levels of carbohydrates. <i>Animal</i> , 2021, 15, 100347. | 1.3 | 6 |
| 2567 | Effects of oral administration of timothy hay and psyllium on the growth performance and fecal microbiota of preweaning calves. <i>Journal of Dairy Science</i> , 2021, 104, 12472-12485. | 1.4 | 3 |
| 2568 | Proteomic identification of ruminal epithelial protein expression profiles in response to starter feed supplementation in pre-weaned lambs. <i>Animal Nutrition</i> , 2021, 7, 1271-1282. | 2.1 | 5 |
| 2569 | Nitrogen uptake kinetics of an enteric methane inhibitor, the red seaweed <i>Asparagopsis armata</i> . <i>Journal of Applied Phycology</i> , 2021, 33, 4001-4009. | 1.5 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2570 | Age-Related Changes in the Ruminal Microbiota and Their Relationship With Rumen Fermentation in Lambs. <i>Frontiers in Microbiology</i> , 2021, 12, 679135. | 1.5 | 19 |
| 2571 | Presence of Adult Companion Goats Favors the Rumen Microbial and Functional Development in Artificially Reared Kids. <i>Frontiers in Veterinary Science</i> , 2021, 8, 706592. | 0.9 | 8 |
| 2572 | Determination of Chemical Compositions, Antioxidant and Enzyme Inhibitory Activities of Naturally Growing <i>Chenopodium album</i> subsp. <i>iranicum</i> Aellen. <i>Journal of the Institute of Science and Technology</i> , 2021, 11, 2091-2101. | 0.3 | 4 |
| 2573 | Developing a scaffold for urease inhibition based on benzothiazoles: Synthesis, docking analysis, and therapeutic potential. <i>Archiv Der Pharmazie</i> , 2021, 354, e2100200. | 2.1 | 6 |
| 2574 | Synthesis of Benzimidazole derivatives containing Schiff base exhibiting antiurease activities. <i>Cumhuriyet Science Journal</i> , 2021, 42, 649-655. | 0.1 | 3 |
| 2575 | Effects of partial substitution of rosemary distillation residues to oat hay on digestive aspects, milk production, and metabolic statute of Tunisian local goats. <i>Tropical Animal Health and Production</i> , 2021, 53, 473. | 0.5 | 3 |
| 2576 | Bio-oriented synthesis of new sulphadiazine derivatives for urease inhibition and their pharmacokinetic analysis. <i>Scientific Reports</i> , 2021, 11, 18973. | 1.6 | 7 |
| 2577 | Evaluation of Enzyme Inhibition and Anti-Quorum Sensing Potentials of <i>Melaleuca alternifolia</i> and <i>Citrus sinensis</i> Essential Oils. <i>Natural Product Communications</i> , 2021, 16, 1934578X2110445. | 0.2 | 10 |
| 2578 | Optimization of the salicylate method for ammonia quantification from nitrogen electroreduction. <i>Journal of Electroanalytical Chemistry</i> , 2021, 896, 115250. | 1.9 | 11 |
| 2579 | Discovery of Novel Dihydropyrimidine and hydroxamic acid hybrids as potent <i>Helicobacter pylori</i> Urease inhibitors. <i>Bioorganic Chemistry</i> , 2021, 114, 105010. | 2.0 | 18 |
| 2580 | Interaction between xylanase and a proton pump inhibitor on broiler chicken performance and gut function. <i>Animal Nutrition</i> , 2022, 8, 277-288. | 2.1 | 4 |
| 2581 | POTENT UREASE INHIBITORS: DESIGN, SYNTHESIS, MOLECULAR DOCKING AND IN-SILICO ADME EVALUATION OF DIHYDROPYRIMIDINE PHTHALIMIDE HYBRIDS. <i>Al-Azhar Journal of Pharmaceutical Sciences</i> , 2021, 64, 205-223. | 0.1 | 1 |
| 2582 | Intake and digestibility in cattle grazing temperate grass associated with legume and/or energetic supplementation. <i>Czech Journal of Animal Science</i> , 2021, 66, 349-358. | 0.5 | 2 |
| 2583 | Diet supplementation with canola meal improves milk production, reduces enteric methane emissions, and shifts nitrogen excretion from urine to feces in dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 9645-9663. | 1.4 | 4 |
| 2584 | Synthesis, in vitro antiurease, in vivo antinematodal activity of quinoline analogs and their in-silico study. <i>Bioorganic Chemistry</i> , 2021, 115, 105199. | 2.0 | 7 |
| 2585 | Effect of dietary inclusion of winter brassica crops on milk production, feeding behavior, rumen fermentation, and plasma fatty acid profile in dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 10699-10713. | 1.4 | 2 |
| 2586 | Rumen microbiota and its relation to fermentation in lactose-fed calves. <i>Journal of Dairy Science</i> , 2021, 104, 10744-10752. | 1.4 | 5 |
| 2587 | Non-enzymatic properties of <i>Proteus mirabilis</i> urease subunits. <i>Process Biochemistry</i> , 2021, 110, 263-274. | 1.8 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2588 | Effect of solvent polarity on the formation of flexible zein nanoparticles and their environmental adaptability. <i>Journal of Cereal Science</i> , 2021, 102, 103340. | 1.8 | 7 |
| 2589 | Effects of mild water restriction on nutrient digestion and protein metabolism in desert-adapted goats. <i>Small Ruminant Research</i> , 2021, 204, 106500. | 0.6 | 4 |
| 2590 | Glutamate dehydrogenase isogenes CsGDHs cooperate with glutamine synthetase isogenes CsGSs to assimilate ammonium in tea plant (<i>Camellia sinensis</i> L.). <i>Plant Science</i> , 2021, 312, 111031. | 1.7 | 10 |
| 2591 | A review on the structures and biological activities of anti- <i>Helicobacter pylori</i> agents. <i>European Journal of Medicinal Chemistry</i> , 2021, 223, 113669. | 2.6 | 17 |
| 2592 | HPLC-DAD phytochemical profiles of <i>Thymus cariensis</i> and <i>T. cilicicus</i> with antioxidant, cytotoxic, anticholinesterase, anti-urease, anti-tyrosinase, and antidiabetic activities. <i>South African Journal of Botany</i> , 2021, 143, 155-163. | 1.2 | 14 |
| 2593 | Synthesis of substituted benzohydrazide derivatives: In vitro urease activities and their molecular docking studies. <i>Chemical Data Collections</i> , 2021, 36, 100778. | 1.1 | 15 |
| 2594 | In vitro fermentation characteristics of tropical legumes and grasses of good and poor nutritional quality and the degradability of their neutral detergent fibre. <i>Animal Production Science</i> , 2021, 61, 645. | 0.6 | 1 |
| 2595 | Synthesis, antitumor, antibacterial and urease inhibitory evaluation of new piperazinyl N-4 carbamoyl functionalized ciprofloxacin derivatives. <i>Pharmacological Reports</i> , 2021, 73, 891-906. | 1.5 | 4 |
| 2596 | Effects of the natural sweetener rebaudioside A on intake, nutrient digestion, rumen fermentation, and blood biochemical parameters in adult goats during summer. <i>Animal Science Journal</i> , 2021, 92, e13532. | 0.6 | 0 |
| 2597 | Synthesis of poly-3-hydroxybutyrate (PHB) by <i>Bacillus cereus</i> using grape residues as sole carbon source. <i>International Journal of Biobased Plastics</i> , 2021, 3, 98-111. | 5.6 | 11 |
| 2598 | Diet supplementation with thyme oil and its main component thymol failed to favorably alter rumen fermentation, improve nutrient utilization, or enhance milk production in dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 324-336. | 1.4 | 15 |
| 2599 | Examination of aggregation-induced enhanced emission in a propeller-shaped chiral nonconjugated blue emitter from restricted intramolecular rotation and J-type π - π stacking interactions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 11388-11399. | 1.3 | 5 |
| 2600 | Addition of ginkgo fruit to cattle feces and slurry suppresses methane production by altering the microbial community structure. <i>Animal Science Journal</i> , 2021, 92, e13620. | 0.6 | 0 |
| 2601 | Cashew nut shell liquid potentially mitigates methane emission from the feces of Thai native ruminant livestock by modifying fecal microbiota. <i>Animal Science Journal</i> , 2021, 92, e13614. | 0.6 | 3 |
| 2602 | Stabilized Urease Microencapsulated. , 1977, , 163-170. | | 5 |
| 2603 | Quantification of Urease Activity. <i>Methods in Molecular Biology</i> , 2019, 2021, 85-96. | 0.4 | 5 |
| 2604 | Chemolithoheterotrophy: Means to Higher Growth Yields from This Widespread Metabolic Trait. , 2018, , 1-25. | | 7 |
| 2605 | <i>Achillea millefolium</i> L. ssp. <i>millefolium</i> (Yarrow): In Vitro Culture and Production of Essential Oils. <i>Biotechnology in Agriculture and Forestry</i> , 1995, , 1-20. | 0.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2606 | Biochemistry of Enzymatic Pathogenicity Factors. , 1996, , 31-65. | | 8 |
| 2607 | Peanut glutamate dehydrogenase: A target site of herbicide action. , 1997, , 845-850. | | 4 |
| 2608 | Changes in the activities of ammonia assimilation enzymes during senescence of Brassica napus leaf protoplasts. , 1997, , 197-198. | | 2 |
| 2609 | The Experimental Watershed Liming Study: Comparison of lake and watershed neutralization strategies. , 1996, , 1-32. | | 1 |
| 2610 | NaCl-induced modifications of nitrogen absorption and assimilation in salt tolerant and salt resistant millet ecotypes (<i>Pennisetum typhoides</i> L. Rich.). , 1983, , 203-207. | | 1 |
| 2612 | Characterization of <i>Coptis japonica</i> cells with different alkaloid productivities. , 1994, , 249-256. | | 9 |
| 2613 | Ammonium repression of antibiotic and intracellular proteinase production in <i>Penicillium urticae</i> . <i>Applied Microbiology and Biotechnology</i> , 1994, 41, 447-455. | 1.7 | 3 |
| 2614 | Utilization of chlorinated s-triazines by a new strain of <i>Klebsiella pneumoniae</i> . <i>Applied Microbiology and Biotechnology</i> , 1995, 42, 763-768. | 1.7 | 3 |
| 2615 | Hydrazine clubbed 1,3-thiazoles as potent urease inhibitors: design, synthesis and molecular docking studies. <i>Molecular Diversity</i> , 2021, 25, 1-13. | 2.1 | 22 |
| 2616 | Greenhouse gas emissions and extracellular enzyme activity variability during decomposition of native versus invasive riparian tree litter. <i>Plant Ecology</i> , 2020, 221, 177-189. | 0.7 | 6 |
| 2617 | Ammonia Volatilization from Livestock Slurries Applied to Land. , 1989, , 202-212. | | 9 |
| 2618 | Ion-Exchange Method for the Determination of Plasma Ammonia Nitrogen with the Berthelot Reaction. <i>Standard Methods of Clinical Chemistry</i> , 1970, 6, 115-126. | 0.7 | 11 |
| 2619 | EFFECTS OF SO ₂ AND NO ₂ ON METABOLIC FUNCTION. , 1982, , 169-187. | | 31 |
| 2620 | Analysis of Tissues and Body Fluids for Nitrogenous Constituents. , 1969, , 423-525. | | 184 |
| 2621 | The use of Fourier transform infrared spectroscopy to assay for urease from <i>Pseudomonas aeruginosa</i> and <i>Canavalia ensiformis</i> . <i>Analytical Biochemistry</i> , 2004, 331, 115-121. | 1.1 | 11 |
| 2622 | The microbiome and metabolome of Napier grass silages prepared with screened lactic acid bacteria during ensiling and aerobic exposure. <i>Animal Feed Science and Technology</i> , 2020, 269, 114673. | 1.1 | 34 |
| 2623 | Lactation performance and milk fatty acid composition of lactating dairy cows fed <i>Camelina sativa</i> seeds or expeller. <i>Animal Feed Science and Technology</i> , 2020, 270, 114697. | 1.1 | 6 |
| 2624 | Synthesis and urease inhibitory potential of benzophenone sulfonamide hybrid in vitro and in silico. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1009-1022. | 1.4 | 20 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2625 | Changes in the biochemical, hematological and histopathological parameters in STZ-Induced diabetic rats and the ameliorative effect of <i>Kigelia africana</i> fruit extract. <i>Heliyon</i> , 2020, 6, e03989. | 1.4 | 17 |
| 2626 | Expanding the repertoire of nitrilases with broad substrate specificity and high substrate tolerance for biocatalytic applications. <i>Process Biochemistry</i> , 2020, 94, 289-296. | 1.8 | 3 |
| 2627 | Purification and characterization of the nickel-containing multicomponent urease from <i>Klebsiella aerogenes</i> .. <i>Journal of Biological Chemistry</i> , 1987, 262, 5963-5967. | 1.6 | 106 |
| 2628 | Ammonia assimilation in <i>Bacillus polymyxa</i> . 15N NMR and enzymatic studies.. <i>Journal of Biological Chemistry</i> , 1987, 262, 11038-11045. | 1.6 | 32 |
| 2629 | Competitive Inhibitors of <i>Klebsiella aerogenes</i> Urease. <i>Journal of Biological Chemistry</i> , 1989, 264, 15835-15842. | 1.6 | 155 |
| 2630 | Reactivity of the essential thiol of <i>Klebsiella aerogenes</i> urease. Effect of pH and ligands on thiol modification. <i>Journal of Biological Chemistry</i> , 1991, 266, 10260-10267. | 1.6 | 47 |
| 2631 | Site-directed mutagenesis of the active site cysteine in <i>Klebsiella aerogenes</i> urease.. <i>Journal of Biological Chemistry</i> , 1992, 267, 20024-20027. | 1.6 | 52 |
| 2632 | Inhibition of urease activity by different compounds provides insight into the modulation and association of bacterial nickel import and ureolysis. <i>Scientific Reports</i> , 2020, 10, 8503. | 1.6 | 71 |
| 2633 | Propionate uptake by rumen microorganisms: the effect of ruminal infusion. <i>Animal Research</i> , 2003, 52, 413-426. | 0.6 | 4 |
| 2634 | Stream sediment bacterial communities exhibit temporally-consistent and distinct thresholds to land use change in a mixed-use watershed. <i>FEMS Microbiology Ecology</i> , 2021, 97, . | 1.3 | 9 |
| 2635 | <i>Ralstonia metallidurans</i> CH34 RpoN sigma factor and the control of nitrogen metabolism and biphenyl utilization The GenBank accession number for the sequence determined in this work is AJ131690.. <i>Microbiology (United Kingdom)</i> , 2001, 147, 1947-1954. | 0.7 | 4 |
| 2636 | The Regulation of Glutamine Metabolism in <i>Candida utilis</i> : Studies with 15NH3 to Measure in vivo Rates of Glutamine Synthesis. <i>Journal of General Microbiology</i> , 1974, 80, 143-158. | 2.3 | 29 |
| 2637 | <i>Desulfuribacillus stibiarсенatis</i> sp. nov., an obligately anaerobic, dissimilatory antimonate- and arsenate-reducing bacterium isolated from anoxic sediments, and emended description of the genus <i>Desulfuribacillus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1011-1017. | 0.8 | 37 |
| 2638 | <i>Helicobacter pylori</i> nickel storage proteins: recognition and modulation of diverse metabolic targets. <i>Microbiology (United Kingdom)</i> , 2018, 164, 1059-1068. | 0.7 | 14 |
| 2639 | Interaction between the <i>Helicobacter pylori</i> accessory proteins HypA and UreE is needed for urease maturation. <i>Microbiology (United Kingdom)</i> , 2007, 153, 1474-1482. | 0.7 | 47 |
| 2640 | Nickel enzyme maturation in <i>Helicobacter hepaticus</i> : roles of accessory proteins in hydrogenase and urease activities. <i>Microbiology (United Kingdom)</i> , 2007, 153, 3748-3756. | 0.7 | 29 |
| 2641 | Quality characteristics of popped rice Doenjang prepared with <i>Bacillus subtilis</i> strains. <i>Korean Journal of Food Preservation</i> , 2015, 22, 545-552. | 0.2 | 6 |
| 2642 | Virulence Mechanisms of <i>Coccidioides</i> . , 0, , 363-391. | | 12 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2643 | Macromolecular composition of a <i>Cellulomonas</i> sp. cultivated in continuous culture under glucose and zinc limitation. <i>Applied and Environmental Microbiology</i> , 1979, 37, 1079-1084. | 1.4 | 8 |
| 2644 | Continuous Cultivation for Apparent Optimization of Defined Media for <i>Cellulomonas</i> sp. and <i>Bacillus cereus</i> . <i>Applied and Environmental Microbiology</i> , 1979, 38, 66-71. | 1.4 | 22 |
| 2645 | Toxicity of NO ₂ : Effect of Nitrite on Microbial Activity in an Acid Soil. <i>Applied and Environmental Microbiology</i> , 1979, 38, 940-944. | 1.4 | 34 |
| 2646 | Adherent bacterial populations on the bovine rumen wall: distribution patterns of adherent bacteria. <i>Applied and Environmental Microbiology</i> , 1980, 39, 233-241. | 1.4 | 41 |
| 2647 | Specific Inhibition of Nitrite Oxidation by Chlorate and Its Use in Assessing Nitrification in Soils and Sediments. <i>Applied and Environmental Microbiology</i> , 1980, 39, 505-510. | 1.4 | 366 |
| 2648 | Protease activities of rumen protozoa. <i>Applied and Environmental Microbiology</i> , 1984, 47, 101-110. | 1.4 | 66 |
| 2649 | Cytochemical Localization of Urease in a Rumen <i>Staphylococcus</i> sp. by Electron Microscopy. <i>Applied and Environmental Microbiology</i> , 1985, 49, 253-255. | 1.4 | 31 |
| 2650 | Evolved aniline catabolism in <i>Acinetobacter calcoaceticus</i> during continuous culture of river water. <i>Applied and Environmental Microbiology</i> , 1986, 51, 781-789. | 1.4 | 88 |
| 2651 | <i>Rhizobium trifolii</i> 0403 Is Capable of Growth in the Absence of Combined Nitrogen. <i>Applied and Environmental Microbiology</i> , 1986, 52, 1060-1067. | 1.4 | 12 |
| 2652 | Initial Steps in the Degradation of Phosphinothricin (Glufosinate) by Soil Bacteria. <i>Applied and Environmental Microbiology</i> , 1989, 55, 711-716. | 1.4 | 65 |
| 2653 | Digestion of Barley, Maize, and Wheat by Selected Species of Ruminal Bacteria. <i>Applied and Environmental Microbiology</i> , 1990, 56, 3146-3153. | 1.4 | 62 |
| 2654 | Overproduction of lignin peroxidase by <i>Phanerochaete chrysosporium</i> (BKM-F-1767) under nonlimiting nutrient conditions. <i>Applied and Environmental Microbiology</i> , 1993, 59, 1919-1926. | 1.4 | 43 |
| 2655 | Kinetic Studies of Ammonia Monooxygenase Inhibition in <i>Nitrosomonas europaea</i> by Hydrocarbons and Halogenated Hydrocarbons in an Optimized Whole-Cell Assay. <i>Applied and Environmental Microbiology</i> , 1993, 59, 2501-2510. | 1.4 | 149 |
| 2656 | Purification and Characterization of an Inducible s-Triazine Hydrolase from <i>Rhodococcus corallinus</i> NRRL B-15444R. <i>Applied and Environmental Microbiology</i> , 1994, 60, 613-618. | 1.4 | 68 |
| 2657 | Influence of <i>Yucca schidigera</i> extract on ruminal ammonia concentrations and ruminal microorganisms. <i>Applied and Environmental Microbiology</i> , 1994, 60, 1762-1767. | 1.4 | 196 |
| 2658 | Ligninolytic System Formation by <i>Phanerochaete chrysosporium</i> in Air. <i>Applied and Environmental Microbiology</i> , 1995, 61, 1833-1838. | 1.4 | 39 |
| 2659 | Trichloroethylene biodegradation by mesophilic and psychrophilic ammonia oxidizers and methanotrophs in groundwater microcosms. <i>Applied and Environmental Microbiology</i> , 1997, 63, 3866-3871. | 1.4 | 31 |
| 2660 | Construction of a <i>Helicobacter pylori</i> - <i>Escherichia coli</i> shuttle vector for gene transfer in <i>Helicobacter pylori</i> . <i>Applied and Environmental Microbiology</i> , 1997, 63, 4866-4871. | 1.4 | 26 |

| # | ARTICLE | IF | CITATIONS |
|------|---|------|-----------|
| 2661 | Manganese Is Not Required for Biobleaching of Oxygen-Delignified Kraft Pulp by the White Rot Fungus <i>Bjerkandera</i> sp. Strain BOS55. <i>Applied and Environmental Microbiology</i> , 1997, 63, 1749-1755. | 1.4 | 26 |
| 2662 | Phosphoenolpyruvate Phosphomutase Activity in an <i>l</i> -Phosphonoalanine-Mineralizing Strain of <i>Burkholderia cepacia</i> . <i>Applied and Environmental Microbiology</i> , 1998, 64, 2291-2294. | 1.4 | 22 |
| 2663 | Interactions between Carbon and Nitrogen Metabolism in <i>Fibrobacter succinogenes</i> S85: a ¹ H and ¹³ C Nuclear Magnetic Resonance and Enzymatic Study. <i>Applied and Environmental Microbiology</i> , 1999, 65, 1941-1948. | 1.4 | 21 |
| 2664 | Use of a Sentinel System for Field Measurements of <i>Cryptosporidium parvum</i> Oocyst Inactivation in Soil and Animal Waste. <i>Applied and Environmental Microbiology</i> , 1999, 65, 1998-2005. | 1.4 | 55 |
| 2665 | Molecular Analysis of Microbial Community Structures in Pristine and Contaminated Aquifers: Field and Laboratory Microcosm Experiments. <i>Applied and Environmental Microbiology</i> , 1999, 65, 2143-2150. | 1.4 | 71 |
| 2666 | Purification and N-terminal analysis of urease from <i>Helicobacter pylori</i> . <i>Infection and Immunity</i> , 1990, 58, 992-998. | 1.0 | 254 |
| 2667 | Genetic and biochemical analyses of <i>Actinobacillus pleuropneumoniae</i> urease. <i>Infection and Immunity</i> , 1997, 65, 4389-4394. | 1.0 | 32 |
| 2668 | Phosphonate utilization by bacteria. <i>Journal of Bacteriology</i> , 1978, 133, 85-90. | 1.0 | 135 |
| 2669 | Antagonistic transcriptional regulation of the putrescine biosynthetic enzyme agmatine ureohydrolase by cyclic AMP and agmatine in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 1984, 157, 552-559. | 1.0 | 20 |
| 2670 | <i>Helicobacter pylori rocF</i> Is Required for Arginase Activity and Acid Protection In Vitro but Is Not Essential for Colonization of Mice or for Urease Activity. <i>Journal of Bacteriology</i> , 1999, 181, 7314-7322. | 1.0 | 108 |
| 2671 | Isolation of <i>Helicobacter pylori</i> Genes That Modulate Urease Activity. <i>Journal of Bacteriology</i> , 1999, 181, 2477-2484. | 1.0 | 75 |
| 2672 | Microbial ureases: significance, regulation, and molecular characterization. <i>Microbiological Reviews</i> , 1989, 53, 85-108. | 10.1 | 1,082 |
| 2673 | Molecular biology of microbial ureases. <i>Microbiological Reviews</i> , 1995, 59, 451-480. | 10.1 | 1,124 |
| 2674 | Molybdenum Carbide Electrocatalysts for Electrochemical Synthesis of Ammonia from Nitrogen: Activity and Stability. <i>Journal of the Electrochemical Society</i> , 2020, 167, 044506. | 1.3 | 15 |
| 2676 | Comparison of malting quality among hexaploid triticale cultivars.. <i>Breeding Science</i> , 1991, 41, 49-59. | 0.2 | 1 |
| 2677 | Effect of Granulated Sugar on Some Renal Parameters in Albino Rats. <i>International Journal of Epidemiology & Infection</i> , 2013, 1, 1. | 0.2 | 4 |
| 2678 | Efficiency of Purine Utilization by <i>Helicobacter pylori</i> : Roles for Adenosine Deaminase and a NupC Homolog. <i>PLoS ONE</i> , 2012, 7, e38727. | 1.1 | 9 |
| 2679 | Comparative Metabolite Fingerprinting of the Rumen System during Colonisation of Three Forage Grass (<i>Lolium perenne</i> L.) Varieties. <i>PLoS ONE</i> , 2013, 8, e82801. | 1.1 | 19 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2680 | Growth Inhibitory, Bactericidal, and Morphostructural Effects of Dehydrocostus Lactone from <i>Magnolia sieboldii</i> Leaves on Antibiotic-Susceptible and -Resistant Strains of <i>Helicobacter pylori</i> . <i>PLoS ONE</i> , 2014, 9, e95530. | 1.1 | 31 |
| 2681 | Cyanuric Acid Hydrolase from <i>Azorhizobium caulinodans</i> ORS 571: Crystal Structure and Insights into a New Class of Ser-Lys Dyad Proteins. <i>PLoS ONE</i> , 2014, 9, e99349. | 1.1 | 11 |
| 2682 | Investigation into Host Selection of the Cecal Acetogen Population in Rabbits after Weaning. <i>PLoS ONE</i> , 2016, 11, e0158768. | 1.1 | 18 |
| 2683 | Structure-function analyses of metal-binding sites of HypA reveal residues important for hydrogenase maturation in <i>Helicobacter pylori</i> . <i>PLoS ONE</i> , 2017, 12, e0183260. | 1.1 | 16 |
| 2684 | Improving the antiprotozoal effect of saponins in the rumen by combination with glycosidase inhibiting iminosugars or by modification of their chemical structure. <i>PLoS ONE</i> , 2017, 12, e0184517. | 1.1 | 16 |
| 2685 | In-vitro fermentation characteristics and methane reduction potential of mustard cake (<i>Brassica</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 2 0.7 | 0.7 | 2 |
| 2686 | Effect of high and low roughage total mixed ration diets on rumen metabolites and enzymatic profiles in crossbred cattle and buffaloes. <i>Veterinary World</i> , 2017, 10, 616-622. | 0.7 | 6 |
| 2687 | Comparative Analysis of <i>Ocimum basilicum</i> and <i>Ocimum sanctum</i> : Extraction Techniques and Urease and alpha-Amylase inhibition. <i>Pakistan Journal of Chemistry</i> , 2012, 2, 134-141. | 0.1 | 9 |
| 2688 | Synthesis, Antioxidant, Xanthine Oxidase and Urease Inhibitory Activities of Some Chlorine Containing Benzimidazoles. <i>Hacettepe Journal of Biology and Chemistry</i> , 2016, , 293-293. | 0.3 | 13 |
| 2689 | Red clover silage: an alternative for mitigating the impact of nitrogen excretion in ovine production systems. <i>Revista Brasileira De Zootecnia</i> , 0, 48, . | 0.3 | 2 |
| 2690 | Fontes de lipídios e monensina sã³dica na fermentaÃ§Ã£o, cinÃ©tica e degradabilidade ruminal de bovinos. <i>Pesquisa Agropecuaria Brasileira</i> , 2006, 41, 117-124. | 0.9 | 8 |
| 2691 | Trocas gasosas e conteÃ³do de carboidratos e compostos nitrogenados em pinhÃ£o-manso irrigado com Ãguas residuÃ¡ria e salina. <i>Pesquisa Agropecuaria Brasileira</i> , 2012, 47, 1428-1435. | 0.9 | 7 |
| 2692 | Effects of different ammoniacal nitrogen sources on N-metabolism of the atmospheric bromeliad <i>Tillandsia pohliana</i> Mez. <i>Revista Brasileira De Botanica</i> , 2001, 24, 407-413. | 0.5 | 7 |
| 2693 | Compostos nitrogenados e aÃ§Ãµes solÃ¡veis em tecidos de alface orgÃ¢nica, hidropÃ´nica e convencional. <i>Horticultura Brasileira</i> , 2004, 22, 748-753. | 0.1 | 20 |
| 2694 | Relationship between chemical components, bacterial adherence and in vitro fermentation of tropical forage legumes. <i>Ciencia E Agrotecnologia</i> , 2013, 37, 457-463. | 1.5 | 5 |
| 2695 | Crescimento de girassol em funÃ§Ã£o da inoculaÃ§Ã£o de sementes com bactÃ©rias endofÃ©ticas. <i>Pesquisa Agropecuaria Tropical</i> , 2014, 44, 142-150. | 1.0 | 9 |
| 2696 | Quality Changes in Doenjang upon Fermentation with Two Different <i>Bacillus subtilis</i> Strains. <i>Journal of the East Asian Society of Dietary Life</i> , 2016, 26, 163-170. | 0.4 | 13 |
| 2697 | USING TISSUE AMMONIA AND FERMENTATIVE VOLATILE CONCENTRATIONS AS INDICATORS OF BENEFICIAL AND STRESSFUL MODIFIED ATMOSPHERES FOR LEAFY AND FLORAL VEGETABLES. <i>Acta Horticulturae</i> , 2010, , 165-172. | 0.1 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2698 | ĖĖrek Otu Tohumu YaĖĖn Kimyasal ĖĖeri ve Biyolojik Aktivite Spektrumu. KahramanmaraĖ SĖtĖm Ėmiversitesi TarĖm Ve DoĖa Dergisi, 2019, 22, 928-934. | 0.2 | 13 |
| 2699 | Total nitrogen determination in plant material by means of the indophenol-blue method.. NJAS Wageningen Journal of Life Sciences, 1974, 22, 3-5. | 0.4 | 207 |
| 2700 | Influence of 2,5-dichloro-1,4-benzoquinone on jack bean urease activity. Inhibitory effect, total reducing capacity and DPPH radical scavenging activity.. Acta Biochimica Polonica, 2011, 58, . | 0.3 | 3 |
| 2701 | Compostos Nitrogenados, ProteĖas e AminoĖcidos em Milho sob Diferentes NĖveis de SilĖcio e DeficiĖncia HĖdrica. Revista Brasileira De Milho E Sorgo, 2014, 13, 117-128. | 0.2 | 7 |
| 2702 | Synthesis of Thiazole Derivatives as Antimicrobial Agents by Green Chemistry Techniques. Journal of the Turkish Chemical Society, Section A: Chemistry, 2018, 5, 393-414. | 0.4 | 9 |
| 2703 | Synthesis of Some New Benzimidazole Derivatives Containing Chlorine and Investigation of Their Antioxidant and Anti-urease Activities. Journal of the Turkish Chemical Society, Section A: Chemistry, 2018, 5, 971-980. | 0.4 | 8 |
| 2704 | ZOOTECNICAL PERFORMANCE EVALUATION OF THE USE OF BIOFLOC TECHNOLOGY IN NILE TILAPIA FINGERLING PRODUCTION AT DIFFERENT DENSITIES. Boletim Do Instituto De Pesca, 2019, 45, . | 0.5 | 9 |
| 2705 | Biomass and Habitat Characteristics of Epiphytic Macroalgae in the Sibuti Mangroves, Sarawak, Malaysia. Tropical Life Sciences Research, 2017, 28, 1-21. | 0.5 | 10 |
| 2706 | Antibacterial and Urease Inhibitory activity of New Piperazinyl N-4 Functionalized Ciprofloxacin-oxadiazoles. Journal of Modern Research, 2019, 1, 1-7. | 0.4 | 8 |
| 2707 | Contribution of Resveratrol in the Development of Novel Urease Inhibitors: Synthesis, Biological Evaluation and Molecular Docking Studies. Combinatorial Chemistry and High Throughput Screening, 2019, 22, 245-255. | 0.6 | 4 |
| 2708 | In-silico Designing, ADMET Analysis, Synthesis and Biological Evaluation of Novel Derivatives of Diosmin Against Urease Protein and Helicobacter pylori Bacterium. Current Topics in Medicinal Chemistry, 2019, 19, 2658-2675. | 1.0 | 8 |
| 2709 | Synthesis and Urease Inhibitory Properties of Some New N4-Substituted 5-Nitroisatin-3-thiosemicarbazones. Letters in Drug Design and Discovery, 2010, 7, 102-108. | 0.4 | 43 |
| 2710 | Synthesis of α-Ketosulfone Derivatives As New Non-Cytotoxic Urease Inhibitors $In Vitro$. Medicinal Chemistry, 2020, 16, 244-255. | 0.7 | 5 |
| 2711 | Biochemical Implications of Biotransformation of Some Toxic Floras Using Natural Local Enzyme Sources. Recent Patents on Biotechnology, 2020, 14, 16-32. | 0.4 | 2 |
| 2712 | Performance, carcass quality and blood metabolites of Holstein bulls on feedlot feeding of different proportions of barley grain to maize grain. Journal of Animal and Feed Sciences, 2013, 22, 35-43. | 0.4 | 1 |
| 2713 | Morphological fractions and $in vitro$ fermentation characteristics of five endosperm types maize stover harvested at two maturity stages. Journal of Animal and Feed Sciences, 2009, 18, 582-598. | 0.4 | 3 |
| 2714 | Effect of the Addition of Various Levels of Green Tea Grounds Silage at on the Feed Intake and Milk Production in Lactating Dairy Cows. Nihon Chikusan Gakkaiho, 2005, 76, 295-301. | 0.0 | 5 |
| 2715 | In vitro gas production and rumen fermentation profile of fresh and ensiled genetically modified highĖ metabolizable energy ryegrass. Journal of Dairy Science, 2020, 103, 2405-2418. | 1.4 | 25 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2716 | In vitro screening of technical lignins to determine their potential as hay preservatives. <i>Journal of Dairy Science</i> , 2020, 103, 6114-6134. | 1.4 | 8 |
| 2717 | Leaf nitrogen supply improves sugarcane photosynthesis under low temperature. <i>Photosynthetica</i> , 2019, 57, 18-26. | 0.9 | 11 |
| 2718 | Competition for nitrogen between the seaweed <i>Caulerpa prolifera</i> and the seagrass <i>Cymodocea nodosa</i> . <i>Marine Ecology - Progress Series</i> , 2020, 648, 125-134. | 0.9 | 7 |
| 2719 | Effect of Bentonite on the Early Growth Characteristics of Teak Seedlings Planted in Sandy Soil in Northeast Thailand—A Pilot Study. <i>Forests</i> , 2021, 12, 26. | 0.9 | 3 |
| 2720 | Changes in Biological Qualities of Soy Grits Cheonggukjang by Fermentation with Î²-Glucosidase-Producing <i>Bacillus</i> Strains. <i>Journal of the Korean Society of Food Science and Nutrition</i> , 2016, 45, 702-710. | 0.2 | 5 |
| 2721 | Nutrients (N, P and K) dynamics associated with the leaf litter of two agroforestry tree species of Bangladesh. <i>IForest</i> , 2009, 2, 183-186. | 0.5 | 12 |
| 2722 | Fruit Preference in the Velvet Asity <i>Philepitta castanea</i> in a Rain Forest of Madagascar. <i>Japanese Journal of Ornithology</i> , 1998, 47, 11-19. | 0.0 | 6 |
| 2723 | The effects of carvacrol and/or thymol on the performance, blood and rumen parameters, and carcass traits of Merino sheep. <i>Turkish Journal of Veterinary and Animal Sciences</i> , 2016, 40, 651-659. | 0.2 | 9 |
| 2724 | Influence of Essential Oils Supplementation on Digestion, Rumen Fermentation, Rumen Microbial Populations and Productive Performance of Dairy Cows. <i>Asian Journal of Animal Sciences</i> , 2008, 3, 1-12. | 0.3 | 17 |
| 2725 | Effects of Dietary Addition of Non-Ionic Surfactants on Ruminal Metabolism and Nutrient Digestion of Chinese Merino Sheep. <i>Asian Journal of Animal and Veterinary Advances</i> , 2011, 6, 688-696. | 0.3 | 8 |
| 2726 | Dose-response Effects of Anise Essential Oil on Rumen Fermentation and Metabolism of n-3 Polyunsaturated Fatty Acids in vitro. <i>Asian Journal of Animal and Veterinary Advances</i> , 2019, 15, 25-31. | 0.3 | 1 |
| 2727 | Gari Based Kwashiorkorigenic Diets Compromised Some Renal Functions in Albino Rats. <i>Asian Journal of Clinical Nutrition</i> , 2010, 2, 215-220. | 0.3 | 2 |
| 2728 | Effect of Salinity Stress on Growth, Mineral Composition, Proline Content, Antioxidant Enzymes of Soybean. <i>American Journal of Plant Physiology</i> , 2010, 5, 350-360. | 0.2 | 119 |
| 2729 | Relationship Between Physiological and Biochemical Effects of Cadmium Toxicity in <i>Nicotiana rustica</i> . <i>American Journal of Plant Physiology</i> , 2011, 6, 294-303. | 0.2 | 8 |
| 2730 | Purification and Characterization of Intracellular Urease Enzyme Isolated from <i>Rhizopus oryzae</i> . <i>Biotechnology</i> , 2006, 5, 358-364. | 0.5 | 12 |
| 2731 | Effects of Malic Acid and Unsaturated Fatty Acids on Methanogenesis and Fermentation by Ruminal Microbiota in vitro. <i>Journal of Animal and Veterinary Advances</i> , 2012, 11, 2917-2922. | 0.1 | 7 |
| 2732 | Composition and Diversity of Phytoplankton from Mangrove Estuaries in Sarawak, Malaysia. <i>Journal of Biological Sciences</i> , 2014, 14, 361-369. | 0.1 | 19 |
| 2733 | Incidence of Diabetic Nephropathy in Southern Nigeria. <i>Journal of Medical Sciences (Faisalabad)</i> , Tj ETQq1 1 0.784314 rgBT /Qverlock 0,0 3 | 0.0 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2734 | Rumen Fermentation Characteristics and Lactation Performance in Dairy Cows Fed Different Rumen Protected Soybean Meal Products. <i>Pakistan Journal of Nutrition</i> , 2009, 8, 695-703. | 0.2 | 6 |
| 2735 | Effect of Dietary Rumen Protected Methionine and/or Choline Supplementation on Rumen Fermentation Characteristics and Productive Performance of Early Lactating Cows. <i>Pakistan Journal of Nutrition</i> , 2012, 11, 221-230. | 0.2 | 16 |
| 2736 | <i>Helicobacter pylori</i> Urease May Exist in Two Forms: Evidence from the Kinetic Studies. <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 1565-1568. | 0.9 | 3 |
| 2737 | Enzyme inhibitory and immunomodulatory activities of the depsidone lobaric acid extracted from the lichen <i>Heterodermia</i> sp.. <i>Journal of the National Science Foundation of Sri Lanka</i> , 2014, 42, 193. | 0.1 | 8 |
| 2738 | <i>N</i> -monosubstituted thiosemicarbazide as novel Urease inhibitors: synthesis, biological evaluation and molecular docking. <i>Future Medicinal Chemistry</i> , 2020, 12, 1633-1645. | 1.1 | 15 |
| 2739 | Variation in the Chemistry of Aerosols in Two Different Winter Seasons at Pune and Sinhagad, India. <i>Aerosol and Air Quality Research</i> , 2005, 5, 115-126. | 0.9 | 25 |
| 2740 | Atmospheric Wet and Dry Depositions of Ions over an Urban Location in South-West India. <i>Aerosol and Air Quality Research</i> , 2012, 12, 561-570. | 0.9 | 21 |
| 2741 | Chemical Composition of Snow-Water and Scavenging Ratios over Coastal Antarctica. <i>Aerosol and Air Quality Research</i> , 2014, 14, 666-676. | 0.9 | 23 |
| 2742 | Effect of <i>Pseudomonas fluorescens</i> and <i>Burkholderia pyrrocinia</i> on the Growth Improvement and Physiological Responses in <i>Brachiaria brizantha</i> . <i>American Journal of Plant Sciences</i> , 2018, 09, 250-265. | 0.3 | 10 |
| 2743 | Effect of substituting guinea grass with sunflower hulls on production performance and digestion traits in fattening rabbits. <i>World Rabbit Science</i> , 2018, 26, 217. | 0.1 | 6 |
| 2744 | Synthesis and Biological Activities of Some New 3,6-Disubstituted 1,2,4-Triazolo[3,4-b]1,3,4-thiadiazole Derivatives. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 3943-3949. | 1.0 | 18 |
| 2745 | CAMBIOS DE CALIDAD EN ESPINACA ALMACENADA EN ATMÓSFERAS CONTROLADAS. <i>Revista Chapingo, Serie Horticultura</i> , 2002, VIII, 49-55. | 1.1 | 2 |
| 2746 | Acute and sub-chronic toxicity studies of the ethanol extract of the leaves of <i>Sphenocentrum jollyanum</i> (Menispermaceae). <i>Agriculture and Biology Journal of North America</i> , 2010, 1, 265-272. | 0.2 | 22 |
| 2747 | Effect of the administration of quebracho extract on rumen fermentation and diet digestibility in sheep. <i>Spanish Journal of Agricultural Research</i> , 2004, 2, 63. | 0.3 | 4 |
| 2748 | Effect of sodium bicarbonate supplementation on feed intake, digestibility, digesta kinetics, nitrogen balance and ruminal fermentation in young fattening lambs. <i>Spanish Journal of Agricultural Research</i> , 2009, 7, 330. | 0.3 | 4 |
| 2749 | Performance, carcass and ruminal fermentation characteristics of heifers fed concentrates differing in energy level and cereal type (corn vs. wheat). <i>Spanish Journal of Agricultural Research</i> , 2018, 15, e0606. | 0.3 | 3 |
| 2750 | Plasma Acetate Turnover Rate and Rumen Fermentation Characteristics in Sheep Fed Rice Straw Supplemented with Soybean Meal. <i>Journal of Animal Science Advances</i> , 2013, 3, 65. | 0.1 | 2 |
| 2751 | A Review on the Sampling and Analytical Methods for Ammonia in Air. <i>Journal of the Korean Earth Science Society</i> , 2007, 28, 572-584. | 0.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2752 | The Effect of Yerba Mate (<i>Ilex Paraguariensis</i>) Supplementation on Nutrient Degradability in Dairy Cows: An <i>In sacco</i> and <i>In vitro</i> Study. Asian-Australasian Journal of Animal Sciences, 2015, 28, 1606-1613. | 2.4 | 4 |
| 2753 | Effects of Rice Straw Supplemented with Urea and Molasses on Intermediary Metabolism of Plasma Glucose and Leucine in Sheep. Asian-Australasian Journal of Animal Sciences, 2016, 29, 523-529. | 2.4 | 3 |
| 2754 | Effects of <i>Momordica charantia</i> Saponins on <i>In vitro</i> Ruminal Fermentation and Microbial Population. Asian-Australasian Journal of Animal Sciences, 2016, 29, 500-508. | 2.4 | 15 |
| 2755 | Nutrient and ruminal fermentation profiles of Camellia seed residues with fungal pretreatment. Asian-Australasian Journal of Animal Sciences, 2019, 32, 357-365. | 2.4 | 4 |
| 2756 | Selection of plant oil as a supplemental energy source by monitoring rumen profiles and its dietary application in Thai crossbred beef cattle. Asian-Australasian Journal of Animal Sciences, 2019, 32, 1511-1520. | 2.4 | 9 |
| 2757 | Partial replacement of soybean meal by white lupine seeds in the diet of dairy cows. Asian-Australasian Journal of Animal Sciences, 2020, 33, 957-964. | 2.4 | 3 |
| 2758 | Effect of ruminal administration of soy sauce oil on rumen fermentation, milk production and blood parameters in dairy cows. Asian-Australasian Journal of Animal Sciences, 2020, 33, 1779-1786. | 2.4 | 2 |
| 2759 | Effects of Formalin Treated Soy Bean as a Source of Rumen Undegradable Protein on Rumen Functions of Non-lactating Dairy Cows on Concentrate Based-diets. Asian-Australasian Journal of Animal Sciences, 2002, 15, 1439-1444. | 2.4 | 8 |
| 2760 | Effect of Naturally Fermented Wheat Straw Based Complete Feeds on the Growth of Buffalo Calves. Asian-Australasian Journal of Animal Sciences, 2002, 15, 1568-1572. | 2.4 | 2 |
| 2761 | Ruminal Degradation of Sugarcane Stalk. Asian-Australasian Journal of Animal Sciences, 2003, 16, 1280-1284. | 2.4 | 4 |
| 2762 | Effects of Replacing Nonfiber Carbohydrates with Nonforage Detergent Fiber from Cassava Residues on Performance of Dairy Cows in the Tropics. Asian-Australasian Journal of Animal Sciences, 2004, 17, 967-972. | 2.4 | 3 |
| 2763 | Influence of <i>Mentha piperita</i> L. (Peppermint) Supplementation on Nutrient Digestibility and Energy Metabolism in Lactating Dairy Cows. Asian-Australasian Journal of Animal Sciences, 2005, 18, 1721-1726. | 2.4 | 46 |
| 2764 | Effects of Green Tea (<i>Camellia sinensis</i>) Waste Silage and Polyethylene Glycol on Ruminal Fermentation and Blood Components in Cattle. Asian-Australasian Journal of Animal Sciences, 2006, 19, 1728-1736. | 2.4 | 20 |
| 2765 | The Effects of Three Herbs as Feed Supplements on Blood Metabolites, Hormones, Antioxidant Activity, IgG Concentration, and Ruminal Fermentation in Holstein Steers. Asian-Australasian Journal of Animal Sciences, 2006, 19, 35-41. | 2.4 | 44 |
| 2766 | <i>In vitro</i> Methanogenesis and Fermentation of Feeds Containing Oil Seed Cakes with Rumen Liquor of Buffalo. Asian-Australasian Journal of Animal Sciences, 2007, 20, 1196-1200. | 2.4 | 20 |
| 2767 | Comparison of the [2H5]Phenylalanine Model with the [1-13C]Leucine Method to Determine Whole Body Protein Synthesis and Degradation in Sheep Fed at Two Levels. Asian-Australasian Journal of Animal Sciences, 2007, 20, 1517-1524. | 2.4 | 7 |
| 2768 | Effects of Non-protein Energy Intake on Whole Body Protein Synthesis, Nitrogen Retention and Glucose Turnover in Goats. Asian-Australasian Journal of Animal Sciences, 2007, 20, 536-542. | 2.4 | 6 |
| 2769 | Effect of Disodium Fumarate on <i>In vitro</i> Rumen Fermentation of Different Substrates and Rumen Bacterial Communities as Revealed by Denaturing Gradient Gel Electrophoresis Analysis of 16S Ribosomal DNA. Asian-Australasian Journal of Animal Sciences, 2007, 20, 543-549. | 2.4 | 17 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2770 | Ensiled or Oven-dried Green Tea By-product as Protein Feedstuffs: Effects of Tannin on Nutritive Value in Goats. <i>Asian-Australasian Journal of Animal Sciences</i> , 2007, 20, 880-886. | 2.4 | 18 |
| 2771 | In vitro Methanogenesis, Microbial Profile and Fermentation of Green Forages with Buffalo Rumen Liquor as Influenced by 2-Bromoethanesulphonic Acid. <i>Asian-Australasian Journal of Animal Sciences</i> , 2008, 21, 818-823. | 2.4 | 37 |
| 2772 | Intermediary Metabolism of Plasma Acetic Acid, Glucose and Protein in Sheep Fed a Rice Straw-based Diet. <i>Asian-Australasian Journal of Animal Sciences</i> , 2010, 23, 1333-1339. | 2.4 | 7 |
| 2773 | Effects of Replacing Lucerne (<i>Medicago sativa</i> L.) Hay with Fresh Citrus Pulp on Ruminant Fermentation and Ewe Performance. <i>Asian-Australasian Journal of Animal Sciences</i> , 2010, 23, 197-204. | 2.4 | 2 |
| 2774 | Improvement of Fermentation Quality of Rice Straw Silage by Application of a Bacterial Inoculant and Glucose. <i>Asian-Australasian Journal of Animal Sciences</i> , 2010, 23, 901-906. | 2.4 | 40 |
| 2775 | Effects of Sown Season and Maturity Stage on In vitro Fermentation and In sacco Degradation Characteristics of New Variety Maize Stover. <i>Asian-Australasian Journal of Animal Sciences</i> , 2011, 24, 781-790. | 2.4 | 5 |
| 2776 | Effects of Micronization on the In situ and In vitro Digestion of Cereal Grains. <i>Asian-Australasian Journal of Animal Sciences</i> , 2011, 24, 929-939. | 2.4 | 25 |
| 2777 | Effects of Using Monensin and Different Levels of Crude Protein on Milk Production, Blood Metabolites and Digestion of Dairy Cows. <i>Asian-Australasian Journal of Animal Sciences</i> , 2011, 24, 65-72. | 2.4 | 15 |
| 2778 | Effect of Gynosaponin on Rumen & In vitro Methanogenesis under Different Forage-Concentrate Ratios. <i>Asian-Australasian Journal of Animal Sciences</i> , 2014, 27, 1088-1097. | 2.4 | 15 |
| 2779 | Effects of Acarbose Addition on Ruminant Bacterial Microbiota, Lipopolysaccharide Levels and Fermentation Characteristics & In vitro. <i>Asian-Australasian Journal of Animal Sciences</i> , 2014, 27, 1726-1735. | 2.4 | 10 |
| 2780 | Growth, blood metabolites and hormones in calves fed diets with different amounts of energy and protein during the pre- or post-weaning periods. <i>African Journal of Agricultural Research</i> Vol Pp, 2012, 7, . | 0.2 | 1 |
| 2781 | Liver and Kidney Dysfunction in Wistar Rats Exposed to Municipal Landfill Leachate. <i>Resources and Environment</i> , 2012, 2, 150-163. | 0.4 | 36 |
| 2782 | <i>In Vitro</i> Ruminant Degradability, Fermentation Metabolites and Methanogenesis of Different Crop Residues. <i>Animal Nutrition and Feed Technology</i> , 2014, 14, 337. | 0.1 | 3 |
| 2783 | Effect of a Composite Phytochemical Feed Additive on In Vitro Substrate Degradation and Methanogenesis and In Vivo Rumen Fermentation. <i>Animal Nutrition and Feed Technology</i> , 2014, 14, 523. | 0.1 | 2 |
| 2784 | Responses of Plasma Acetate Metabolism to Hop (<i>Humulus lupulus</i> L.) in Sheep. <i>International Journal of Biological Sciences</i> , 2009, 5, 287-292. | 2.6 | 9 |
| 2785 | Characterization of Urease-Producing Bacteria Isolated from Heavy Metal Contaminated Mine Soil. <i>Han'guk T'oyang Piryu Hakhoe Chi Han'guk T'oyang Piryu Hakhoe</i> , 2014, 47, 391-397. | 0.1 | 1 |
| 2786 | Nutrient Leaching from Leaf Litter of Cropland Agroforest Tree Species of Bangladesh. <i>Journal of Forest and Environmental Science</i> , 2014, 30, 208-217. | 0.2 | 3 |
| 2787 | Characteristics of Fermented Omija (<i>Schizandra chinensis</i> Baillon) Sugar Treatment Extracts by <i>Lactobacillus</i> sp.. <i>Korean Journal of Microbiology</i> , 2014, 50, 60-66. | 0.2 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2788 | Seasonal Variation in the Occurrence and Abundance of Mangrove Macroalgae in a Malaysian Estuary. <i>Cryptogamie, Algologie</i> , 2016, 37, 109-120. | 0.3 | 13 |
| 2789 | Quality Characteristics of Black Soybean Paste (Daemaekjang) Prepared with <i>Bacillus subtilis</i> HJ18-4. <i>Korean Journal of Food Science and Technology</i> , 2012, 44, 743-749. | 0.0 | 5 |
| 2790 | Acute and Sub-acute Toxicity Studies of Ethanol Seed Extract of <i>Raphia hookeri</i> on Swiss Albino Rats. <i>British Journal of Pharmaceutical Research</i> , 2014, 4, 1196-1208. | 0.4 | 4 |
| 2791 | Evaluation of Haematinic Activity and Subchronic Toxicity of <i>Sphenocentrum jollyanum</i> (Menispermaceae) Seed Oil. <i>European Journal of Medicinal Plants</i> , 2011, 1, 140-152. | 0.5 | 12 |
| 2792 | Anti-urease Activity of <i>Mimusops elengi</i> Linn (Sapotaceae). <i>European Journal of Medicinal Plants</i> , 2015, 6, 223-230. | 0.5 | 25 |
| 2793 | Biochemical Effects of <i>Telfairia occidentalis</i> Leaf Extracts against Copper-induced Oxidative Stress and Histopathological Abnormalities. <i>Journal of Advances in Medical and Pharmaceutical Sciences</i> , 2017, 12, 1-15. | 0.2 | 2 |
| 2794 | Microbial Utilization of Glycine Betain in Hypersaline Soda Lakes. <i>Microbiology</i> , 2021, 90, 569-577. | 0.5 | 5 |
| 2795 | Proper motility enhances rumen fermentation and microbial protein synthesis with decreased saturation of dissolved gases in rumen simulation technique. <i>Journal of Dairy Science</i> , 2022, 105, 231-241. | 1.4 | 8 |
| 2796 | Effects of nitrogen supplementation on bioconversion of potato waste by rumen fluid from slaughterhouses to produce eco-friendly products. <i>Biomass Conversion and Biorefinery</i> , 0, , 1. | 2.9 | 2 |
| 2797 | Synthesis and Biological Evaluation of Dithiobisacetamides as Novel Urease Inhibitors. <i>ChemMedChem</i> , 2022, 17, . | 1.6 | 7 |
| 2798 | Milk Production Responses and Digestibility of Dairy Buffaloes (<i>Bubalus bubalis</i>) Partially Supplemented with Forage Rape (<i>Brassica napus</i>) Silage Replacing Corn Silage. <i>Animals</i> , 2021, 11, 2931. | 1.0 | 4 |
| 2799 | Rice seedlings grown under high ammonia do not show enhanced defence responses. <i>Food and Energy Security</i> , 2022, 11, e331. | 2.0 | 3 |
| 2800 | Productivity and growth in cowpea inoculated with rhizobia under different light environments. <i>Bioscience Journal</i> , 0, 37, e37057. | 0.4 | 0 |
| 2802 | Alfalfa Silage Treated With Sucrose Has an Improved Feed Quality and More Beneficial Bacterial Communities. <i>Frontiers in Microbiology</i> , 2021, 12, 670165. | 1.5 | 4 |
| 2803 | Effects of Green Tea Grounds Silage on Digestibility, Rumen Fermentation, and Blood Components in Lactating Dairy Cows. <i>Nihon Chikusan Gakkaiho</i> , 2003, 74, 483-490. | 0.0 | 6 |
| 2804 | Pasture Production as Affected by Two Varieties of Tall Fescue (<i>Festuca arundinacea</i> Sch.) Fawn and Roa on Grazing Pasture. <i>Journal of the Korean Society of Grassland and Forage Science</i> , 2003, 23, 247-254. | 0.4 | 0 |
| 2805 | Gibberellic Acid Production by Free and Immobilized Cells in Different Culture Systems. , 2004, , 381-388. | | 0 |
| 2806 | Chewing Activity, Particle Size Distribution of Feces and Total Tract Mean Retention Time of Digesta in Horses Fed Timothy Hay or Silage. <i>Nihon Chikusan Gakkaiho</i> , 2004, 75, 567-572. | 0.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2807 | Isolation and Characterization of Helicobacter pylori Urease Inhibitor from Rubus coreanus Miquel. Journal of the Korean Society of Food Science and Nutrition, 2004, 33, 769-777. | 0.2 | 4 |
| 2808 | Ureolytic Vibrio parahaemolyticus Isolated from the Kamak Bay of Yeosu, in 2002 and 2003. Journal of Fisheries Science and Technology, 2004, 7, 58-63. | 0.2 | 0 |
| 2809 | Effect of timing of protein supplementation on the performance of lactating dairy cows. Australian Journal of Experimental Agriculture, 2005, 45, 337. | 1.0 | 0 |
| 2810 | Purification and Characterization of the Staphylococcus epidermidis Urease. Journal of Life Science, 2007, 17, 581-586. | 0.2 | 1 |
| 2811 | Frações nitrogenadas de silagens de milho "safrinha" sob diferentes tempos de exposição ao ar antes da ensilagem. Ciencia Rural, 2008, 38, 166-172. | 0.3 | 1 |
| 2812 | Alterações no perfil de frações nitrogenadas em calos de cana-de-açúcar induzidas por déficit hídrico. Pesquisa Agropecuaria Brasileira, 2008, 43, 683-690. | 0.9 | 2 |
| 2813 | Bakteri α -nokulantların Balyalanm Triticale-Macar Fi Silajı Fermentasyon ve Aerobik Stabilitesi ile Kuzularda Performansa Etkileri. Kafkas Üniversitesi Veteriner Fakültesi Dergisi, 2009, , . | 0.0 | 0 |
| 2814 | Effects of Partial Replacement of Berseem Hay by Corn Stalk with or without Calcium Salts of Fish Oil on Rumen Fermentation, Productive and Reproductive Performance of Early Lactating Cows. International Journal of Dairy Science, 2009, 4, 43-56. | 0.4 | 0 |
| 2815 | Plasmid mediated virulence factors of some Proteus isolates. Egyptian Academic Journal of Biological Sciences G Microbiology, 2009, 1, 7-22. | 0.1 | 1 |
| 2816 | Quality Characteristics of Commercial Rice Soybean Paste. Korean Journal of Food Preservation, 2011, 18, 853-858. | 0.2 | 7 |
| 2817 | Effects of different bacterial inoculants on the fermentation and aerobic stability of whole-plant corn silage. African Journal of Agricultural Research Vol Pp, 2012, 7, . | 0.2 | 2 |
| 2818 | Effects of high environmental temperature on physiological status, energy and nitrogen metabolism of Holstein heifers in late stage of growth. Nihon Chikusan Gakkaiho, 2012, 83, 345-356. | 0.0 | 1 |
| 2819 | In vitro and in silico Approach to Evaluate the Urease and Collagenase Inhibitory Activity of Embilica officinalis Gaertn Fruit. British Biotechnology Journal, 2014, 4, 1088-1104. | 0.4 | 0 |
| 2820 | Synthesis and bioactivities of silver nanoparticles capped with 5-Amino-resorcylic acid hydrochloride dihydrate. Journal of Nanobiotechnology, 2014, 12, 34. | 4.2 | 3 |
| 2821 | Effects of Artemether-Lumefantrine and Naproxen Combination on Liver and Kidney of Rats. IOSR Journal of Pharmacy and Biological Sciences, 2014, 9, 19-23. | 0.1 | 0 |
| 2822 | Changes in isoflavone content and quality characteristics of Cheonggukjang prepared with Bacillus subtilis HJ18-3 and KACC 15935. Korean Journal of Food Preservation, 2014, 21, 121-128. | 0.2 | 4 |
| 2823 | Colorimetry. , 1971, , 97-126. | | 1 |
| 2824 | THE SENSITIVITY TO PHOSPHORUS AND NITROGEN LOADS, OF LAKE ROTORUA, NEW ZEALAND. , 1981, , 897-904. | | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2825 | A COMPARISON OF URBAN AND RURAL AEROSOL COMPOSITION USING DICHOTOMOUS SAMPLERS. , 1984, , 1767-1775. | | 1 |
| 2826 | Glufosinate tolerance in carrot cell suspension culture.. Journal of Weed Science and Technology, 1990, 35, 53-60. | 0.1 | 0 |
| 2827 | Urease Immobilized on an Acrylic Carrier for Enzymatic Removal of Urea. , 1990, , 191-199. | | 0 |
| 2828 | The Effect of Feeding Frequency and Dietary Sucrose on Rumen Fermentation, Plasma Metabolites and Insulin in Sheep. Nihon Chikusan Gakkaiho, 1991, 62, 1120-1128. | 0.0 | 1 |
| 2829 | Effect of Bensulfuron methyl, Glyphosate and Glufosinate on Amino Acid and Ammonia Levels in Carrot Cells.. Journal of Weed Science and Technology, 1991, 36, 126-134. | 0.1 | 0 |
| 2831 | Use of an Open Photoacoustic Cell for some Applications in Agriculture. Springer Series in Optical Sciences, 1992, , 88-91. | 0.5 | 0 |
| 2832 | Changes in Acid-base Status of Holstein Steers Fed High Roughage or High Concentrate Diet. Nihon Chikusan Gakkaiho, 1994, 65, 347-354. | 0.0 | 2 |
| 2835 | Uptake of Nitrate, Ammonium and Sulphate by Seedlings of Two Conifer Species: The Deciduous Larch and the Evergreen Scots Pine. , 1999, , 35-38. | | 0 |
| 2836 | Effect of Different Dietary Energy Levels in Early and Middle Fattening Periods on Fattening Performance of Holstein Steers. Nihon Chikusan Gakkaiho, 1999, 70, 460-470. | 0.0 | 1 |
| 2837 | Effect of feeding whole crop rice silage on digestive function, plasma glucose and leucine kinetics in sheep. Nihon Chikusan Gakkaiho, 2015, 86, 325-334. | 0.0 | 0 |
| 2838 | Antiplasmodial Activity of Phyllanthus amarus Preserves Renal Function in Plasmodium berghei Infected Mice. European Journal of Medicinal Plants, 2015, 5, 109-116. | 0.5 | 2 |
| 2839 | Sub-Chronic Oral Esculetin (6, 7-Dihydroxy-Coumarin) Exposure in Male Wistar Rats: Effect on Some Serum Functions and Organ Histology. Asian Journal of Biochemistry, 2015, 10, 67-77. | 0.5 | 4 |
| 2840 | DETERMINAÇÃO DE NITROGÊNIO AMONÍACAL EM EFLUENTE LÍQUIDO DA DIGESTÃO ANAERÓBIA DE MACRO E MICROALGAS. , 0, , . | | 0 |
| 2841 | Bioactive compounds of Cheonggukjang prepared by different soybean cultivars with Bacillus subtilis HJ18-9. Korean Journal of Food Preservation, 2015, 22, 535-544. | 0.2 | 4 |
| 2842 | Protective Effects of Solanum erianthum D. Don Leaf Extract on Lead-Induced Toxicity in Adult Wistar Rats. Journal of Applied Pharmaceutical Science, 0, , 113-123. | 0.7 | 2 |
| 2843 | Characterization of Odorant Compounds from Mechanical Aerated Pile Composting and Static Aerated Pile Composting. Asian-Australasian Journal of Animal Sciences, 2016, 29, 594-598. | 2.4 | 3 |
| 2844 | Bazı Yemlerin Besin Değerlerini Değerlendirmek için In Vitro Gaz Üçeritimi Tekniğinde Dondurulmuş Rumen Sıvılarının Kullanılması. Kafkas Üniversitesi Veteriner Fakültesi Dergisi, 2017, , . | 0.0 | 1 |
| 2845 | Title is missing!. Nihon Chikusan Gakkaiho, 2017, 88, 115-120. | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2846 | Evaluation of Anti-Helicobacter Pylori Activity and Urease Inhibition by Some Turkish Authentic Honeys. Journal of Food Science and Engineering, 2017, 7, . | 0.1 | 1 |
| 2847 | Effect of substituting guinea grass with soybean hulls on production performance and digestion traits in fattening rabbits. World Rabbit Science, 2017, 25, 241. | 0.1 | 4 |
| 2848 | Ensiling property and nutritional quality of palmyrah (<i>Borassus flabellifer</i>) leaves incorporated corn (<i>Zea mays</i>) or sorghum (<i>Sorghum bicolor</i> (L.) moench) silage. Tropical Agricultural Research, 2019, 29, 25. | 0.1 | 1 |
| 2849 | Culture Strategies for Lipid Production Using Low-cost Carbon Sources by <i>Rhodospiridium Toruloides</i> . , 2018, , 103-116. | | 1 |
| 2850 | Nitrogen Metabolism, Carbohydrates and Sucrose in Young Plants of <i>Paric</i> (& Schizolobium amazonicum) Submitted to Different Dosages of Aluminum. American Journal of Plant Sciences, 2018, 09, 865-879. | 0.3 | 0 |
| 2853 | Investigation of Chemical Composition, Antioxidant, Anticholinesterase and Anti-urease activities of <i>Euphorbia helioscopia</i> . International Journal of Secondary Metabolite, 2018, 5, 259-269. | 0.5 | 3 |
| 2854 | Improving quality of common reed (<i>Phragmites communis</i> Trin.) silage with additives. Asian-Australasian Journal of Animal Sciences, 2018, 31, 1747-1755. | 2.4 | 5 |
| 2855 | Effects of the orange lemma (<i>rob1</i>) mutant line of barley cv. "Optic" compared with its wild-type on the ruminal microbiome and fermentation tested with the rumen simulation technique. Crop and Pasture Science, 2019, 70, 789. | 0.7 | 0 |
| 2856 | Influence of storage time and temperature on the activity of urease. Bulgarian Chemical Communications, 2019, 51, 159-163. | 0.2 | 1 |
| 2857 | Phenolic Profile and Cholinesterase, Tyrosinase, Urease and Lipid Peroxidation Inhibition Potentials of <i>Artemisia argyi</i> from Ordu, Turkey. Celal Bayar Universitesi Fen Bilimleri Dergisi, 0, , 29-33. | 0.1 | 0 |
| 2858 | Effects of biochar on the growth of <i>Olea europaea</i> subsp. <i>cuspidata</i> and <i>Dodonaea angustifolia</i> ; planted in Tigray, northern Ethiopia. Journal of the Japanese Society of Revegetation Technology, 2019, 45, 115-120. | 0.0 | 5 |
| 2859 | Ammonia accumulation is a useful indicator of the postharvest freshness and quality of spinach and kale. Acta Horticulturae, 2019, , 303-310. | 0.1 | 2 |
| 2860 | Effects of black-hulled rice (<i>Oryza sativa</i> L.) feeding on digestibility, ruminal fermentation, and oxidative status markers in sheep. Nihon Chikusan Gakkaiho, 2019, 90, 307-313. | 0.0 | 0 |
| 2861 | Effect of vinasse (condensed molasses solubles) on performance, blood metabolites, ruminal parameters and carcass characteristics of Mahabadi goat male kids. Journal of Animal and Feed Sciences, 2019, 28, 321-327. | 0.4 | 4 |
| 2862 | EXTRATO DE MAMONA COMO MANIPULADOR DA FERMENTAÇÃO RUMINAL. Nativa, 2020, 8, 289. | 0.2 | 1 |
| 2863 | Effect of Acacia purified tannins extract and polyethylene glycol treatment on in vitro ruminal fermentation pattern and methane production. Asia-Pacific Journal of Molecular Biology and Biotechnology, 0, , 50-62. | 0.2 | 0 |
| 2864 | Using an Unconventional Energy Source to Make Silages and their Impact on Silage Quality and Performance of Lactating Cows. International Journal of Dairy Science, 2020, 15, 142-151. | 0.4 | 0 |
| 2865 | The effects of substituting crushed brown rice for steam-flacked corn on ruminal fermentation characteristics, plasma metabolites and nitrogen utility in Holstein heifers. Nihon Chikusan Gakkaiho, 2020, 91, 207-215. | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2866 | Effect of supplementing <i>Leucaena leucocephala</i> leaves alone or in conjunction with malic acid on nutrient utilization, performance traits, and enteric methane emission in crossbred calves under tropical conditions. <i>Tropical Animal Health and Production</i> , 2021, 53, 514. | 0.5 | 7 |
| 2867 | Effects of Biochar on the Growth of <i>Vachellia etbaica</i> and <i>Faidherbia albida</i> ; Planted in Tigray, Northern Ethiopia. <i>Japan Agricultural Research Quarterly</i> , 2021, 55, 367-378. | 0.1 | 1 |
| 2868 | Enzyme Inhibitory Kinetics and Molecular Docking Studies of Halo-Substituted Mixed Ester/Amide-Based Derivatives as Jack Bean Urease Inhibitors. <i>BioMed Research International</i> , 2020, 2020, 1-11. | 0.9 | 8 |
| 2869 | Phytochemical Screening of Leaves from <i>Mangifera indica</i> and <i>Morus alba</i> for Bioactive Compounds. <i>Journal of Plant and Environment</i> , 2020, 2, 33-44. | 0.1 | 0 |
| 2870 | Support vector machine and PCA for the exploratory analysis of <i>Salvia officinalis</i> samples treated with growth regulators based in the agronomic parameters and multielement composition. <i>Food Chemistry</i> , 2022, 373, 131345. | 4.2 | 8 |
| 2871 | Dinitrogen Binding and Functionalization. , 2022, , 521-554. | | 5 |
| 2872 | Microwave and ultrasound promoted greener synthesis of thiazolyl-pyrazoline derivatives and investigation of their biological activities. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 2020, 7, 25-36. | 0.4 | 4 |
| 2873 | Effect of feeding ajwain (<i>Trachyspermum ammi</i>) seed as a feed additive on enteric methane production and rumen ecosystem in murrah buffaloes. <i>Animal Nutrition and Feed Technology</i> , 2020, 20, 257. | 0.1 | 1 |
| 2874 | Nitrogen assimilation in the bromeliad <i>Ananas comosus</i> var. <i>ananassoides</i> (Baker) Coppens & F.Leal grown in vitro with different sources of inorganic nitrogen. <i>Hoehnea (revista)</i> , 0, 47, . | 0.2 | 1 |
| 2876 | Nephrotoxicity Effect in Inhabitants of a Lead-zinc Mining Community, Ebonyi State, Nigeria. <i>Journal of Biological Sciences</i> , 2020, 20, 80-87. | 0.1 | 0 |
| 2878 | Matura de frutos e sementes de inha (<i>Lecythis lurida</i> - Lecythidaceae). <i>Revista De Biologia Neotropical / Journal of Neotropical Biology</i> , 2020, 17, 15-34. | 0.1 | 1 |
| 2880 | Succession of Microbial Communities of Corn Silage Inoculated with Heterofermentative Lactic Acid Bacteria from Ensiling to Aerobic Exposure. <i>Fermentation</i> , 2021, 7, 258. | 1.4 | 15 |
| 2881 | Spontaneous N ₂ formation by a diruthenium complex enables electrocatalytic and aerobic oxidation of ammonia. <i>Nature Chemistry</i> , 2021, 13, 1221-1227. | 6.6 | 39 |
| 2883 | Development of Schiff bases from Amikacin: Synthesis, Antibacterial, Anti-urease Activities and Molecular Docking Studies. <i>Letters in Drug Design and Discovery</i> , 2020, 17, 1579-1588. | 0.4 | 4 |
| 2884 | Synthesis of gemifloxacin conjugated silver nanoparticles, their amplified bacterial efficacy against human pathogen and their morphological study via TEM analysis. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2021, 49, 661-671. | 1.9 | 5 |
| 2885 | The importance of rare versus abundant <i>phoD</i> -harboring subcommunities in driving soil alkaline phosphatase activity and available P content in Chinese steppe ecosystems. <i>Soil Biology and Biochemistry</i> , 2022, 164, 108491. | 4.2 | 32 |
| 2886 | Zein structure and its hidden zearalenone: Effect of zein extraction methods. <i>Food Chemistry</i> , 2022, 374, 131563. | 4.2 | 18 |
| 2887 | Exploring Amantadine Derivatives as Urease Inhibitors: Molecular Docking and Structure-Activity Relationship (SAR) Studies. <i>Molecules</i> , 2021, 26, 7150. | 1.7 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2888 | Heterogeneity of bacterial enzymes as nutrient enrichment signature in tropical wetlands: A sustainable environmental management tool. <i>Environmental Challenges</i> , 2021, 5, 100395. | 2.0 | 1 |
| 2889 | Intra- and inter-annual variability of nitrification in the rhizosphere of field-grown bioenergy sorghum. <i>GCB Bioenergy</i> , 2022, 14, 393-410. | 2.5 | 6 |
| 2890 | New acetylphenol-based acyl thioureas broaden the scope of drug candidates for urease inhibition: synthesis, in vitro screening and in silico analysis. <i>International Journal of Biological Macromolecules</i> , 2022, 198, 157-167. | 3.6 | 17 |
| 2891 | Discovery of urease inhibitory effect of sulfamate derivatives: Biological and computational studies. <i>Bioorganic Chemistry</i> , 2022, 119, 105545. | 2.0 | 12 |
| 2892 | Quantifying the immediate response of the soil microbial community to different grazing intensities on irrigated pastures. <i>Agriculture, Ecosystems and Environment</i> , 2022, 326, 107805. | 2.5 | 13 |
| 2893 | Thermal and spectroscopic studies of some metal complexes with a new enaminone ligand 3-chloro-4-((4-methoxyphenyl)amino)pent-3-en-2-one and their investigation as anti-urease and cytotoxic potential drugs. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103640. | 2.3 | 3 |
| 2894 | Evaluation of Anti-diabetic, Hepatoprotective and Antilipidemic Potentials of <i>Syzygium aromaticum</i> (Clove) on Albino Rats. <i>Journal of Complementary and Alternative Medical Research</i> , 0, , 38-50. | 0.4 | 1 |
| 2895 | Carbon and nitrogen metabolism in young <i>Tachigali vulgaris</i> plants subjected to water deficit. <i>Research, Society and Development</i> , 2020, 9, e6169108732. | 0.0 | 0 |
| 2896 | SYNTHESIS, CRYSTAL STRUCTURES, AND UREASE INHIBITORY ACTIVITY OF SCHIFF BASE COPPER AND NICKEL COMPLEXES. <i>Journal of Structural Chemistry</i> , 2021, 62, 1667-1677. | 0.3 | 2 |
| 2897 | Urease inhibitory kinetics, molecular docking, SAR and ADME studies of imine analogues. <i>New Journal of Chemistry</i> , 0, , . | 1.4 | 2 |
| 2898 | Stable- and radio-isotopes and a bait-choice experiment reveal changes in feeding habits of the ant community during primary succession. <i>Ecological Entomology</i> , 0, , . | 1.1 | 0 |
| 2899 | Antireolytic activity of new water-soluble thiazazole derivatives: Spectroscopic, DFT, and molecular docking studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 120971. | 2.0 | 8 |
| 2900 | Terpenoid and Fatty Acid Profiling along with Anti-Tyrosinase and Anti-Urease Potentials of <i>Scorzonera pygmaea</i> Sibth. & Sm. an Endemic Plant of Turkey. <i>Chemistry and Biodiversity</i> , 2022, 19, . | 1.0 | 5 |
| 2901 | Activity- and Enrichment-Based Metaproteomics Insights into Active Urease from the Rumen Microbiota of Cattle. <i>International Journal of Molecular Sciences</i> , 2022, 23, 817. | 1.8 | 1 |
| 2902 | Altering Dietary Soluble Protein Levels With Decreasing Crude Protein May Be a Potential Strategy to Improve Nitrogen Efficiency in Hu Sheep Based on Rumen Microbiome and Metabolomics. <i>Frontiers in Nutrition</i> , 2021, 8, 815358. | 1.6 | 5 |
| 2903 | Condensed Tannins in White Clover (<i>Trifolium repens</i>) Foliar Tissues Expressing the Transcription Factor TaMYB14-1 Bind to Forage Protein and Reduce Ammonia and Methane Emissions in vitro. <i>Frontiers in Plant Science</i> , 2021, 12, 777354. | 1.7 | 17 |
| 2904 | Effect of Elevated CO ₂ during Low Temperature Storage on the Quality Attributes of Cut Spearmint. <i>Horticulturae</i> , 2022, 8, 126. | 1.2 | 1 |
| 2905 | Limited benefits of summer cover crops on nitrogen cycling in organic vegetable production. <i>Nutrient Cycling in Agroecosystems</i> , 2022, 122, 119-138. | 1.1 | 7 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2906 | Synthesis, Biological Evaluation and <i>in Silico</i> Studies of New Pyrazoline Derivatives Bearing Benzo[<i>d</i>]thiazol-2(3 <i>H</i>)-one Moiety as Potential Urease Inhibitors. <i>Chemistry and Biodiversity</i> , 2022, 19, . | 1.0 | 5 |
| 2907 | Ultrasound-Assisted Extraction of <i>Syringa vulgaris</i> Mill., <i>Citrus sinensis</i> L. and <i>Hypericum perforatum</i> L.: Phenolic Composition, Enzyme Inhibition and Anti-quorum Sensing Activities. <i>Chemistry Africa</i> , 0, , 1. | 1.2 | 13 |
| 2908 | Design, synthesis, <i>in vitro</i> evaluation, and docking studies on ibuprofen derived 1,3,4-oxadiazole derivatives as dual α -glucosidase and urease inhibitors. <i>Medicinal Chemistry Research</i> , 2022, 31, 316-336. | 1.1 | 11 |
| 2909 | Nutrient digestibility, fecal output of fractionated proteins, and ruminal fermentation parameters of goats fed a diet supplemented with spent green tea and black tea leaf silage. <i>Animal Science Journal</i> , 2022, 93, e13681. | 0.6 | 3 |
| 2910 | Growth Enhancement of <i>Camellia sinensis</i> with Biochar. <i>Processes</i> , 2022, 10, 199. | 1.3 | 3 |
| 2911 | Expression, Purification, and Comparative Inhibition of <i>Helicobacter pylori</i> Urease by Regio-Selectively Alkylated Benzimidazole 2-Thione Derivatives. <i>Molecules</i> , 2022, 27, 865. | 1.7 | 18 |
| 2912 | Serum Biochemical Parameters, Rumen Fermentation, and Rumen Bacterial Communities Are Partly Driven by the Breed and Sex of Cattle When Fed High-Grain Diet. <i>Microorganisms</i> , 2022, 10, 323. | 1.6 | 16 |
| 2913 | Replacing concentrates with a high-quality hay in the starter feed of dairy calves: II. Effects on the development of chewing and gut fermentation, and selected systemic health variables. <i>Journal of Dairy Science</i> , 2022, , . | 1.4 | 12 |
| 2914 | Understory vegetation interacts with nitrogen addition to affect soil phosphorus transformations in a nutrient-poor <i>Pinus sylvestris</i> var. <i>mongolica</i> plantation. <i>Forest Ecology and Management</i> , 2022, 507, 120026. | 1.4 | 6 |
| 2915 | Interaction and inhibition mechanism of urease <i>in vitro</i> and soil system by a natural benzyliothiocyanate isolated from <i>Moringa oleifera</i> . <i>Industrial Crops and Products</i> , 2022, 178, 114580. | 2.5 | 1 |
| 2916 | Urban buried streams: Abrupt transitions in habitat and biodiversity. <i>Science of the Total Environment</i> , 2022, 819, 153050. | 3.9 | 2 |
| 2917 | Sodium nitrate has no detrimental effect on milk fatty acid profile and rumen bacterial population in water buffaloes. <i>AMB Express</i> , 2022, 12, 11. | 1.4 | 3 |
| 2918 | Effects of rosemary (<i>Rosmarinus officinalis</i>) by-products and linseed (<i>Linum usitatissimum</i>) intake on digestibility, body weight gain, and estimated tissular composition in cull fat-tailed ewes. <i>Tropical Animal Health and Production</i> , 2022, 54, 101. | 0.5 | 1 |
| 2919 | Bio-Fermentation Improved Rumen Fermentation and Decreased Methane Concentration of Rice Straw by Altering the Particle-Attached Microbial Community. <i>Fermentation</i> , 2022, 8, 72. | 1.4 | 5 |
| 2920 | Effects of different protein sources on nutrient disappearance, rumen fermentation parameters and microbiota in dual-flow continuous culture system. <i>AMB Express</i> , 2022, 12, 15. | 1.4 | 0 |
| 2921 | Post-termination Effects of Cover Crop Monocultures and Mixtures on Soil Inorganic Nitrogen and Microbial Communities on Two Organic Farms in Illinois. <i>Frontiers in Soil Science</i> , 2022, 2, . | 0.8 | 3 |
| 2922 | Feeding biochar to horses: Effects on nutrient digestibility, fecal characteristics, and blood parameters. <i>Animal Feed Science and Technology</i> , 2022, 285, 115242. | 1.1 | 3 |
| 2923 | Effect of the quantity and duration of application of simulated acid precipitation on nitrogen mineralization and nitrification in a forest soil. <i>Water, Air, and Soil Pollution</i> , 1986, 28, 309-318. | 1.1 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 2924 | Effects of compound probiotics on growth performance, rumen fermentation, blood parameters, and health status of neonatal Holstein calves. <i>Journal of Dairy Science</i> , 2022, 105, 2190-2200. | 1.4 | 25 |
| 2926 | Zn(II) Complexes Bearing Thiophenyl and Furyl Derived <i>&C</i></sub></sub>-Symmetric Ligands: Synthesis, Characterization, Urease Inhibitory Activities and Molecular Docking. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 2927 | Tungsten and molybdenum dinitrogen complexes supported by a pentadentate tetrapodal phosphine ligand: comparative spectroscopic, electrochemical and reactivity studies. <i>Dalton Transactions</i> , 2022, 51, 6166-6176. | 1.6 | 3 |
| 2928 | Dietary Administration of L-Carnitine During the Fattening Period of Early Feed Restricted Lambs Modifies Ruminal Fermentation but Does Not Improve Feed Efficiency. <i>Frontiers in Physiology</i> , 2022, 13, 840065. | 1.3 | 6 |
| 2929 | A New Analytical Method to Quantify Ammonia in Freshwater with a Bulk Acoustic Wave Sensor. <i>Sensors</i> , 2022, 22, 1528. | 2.1 | 4 |
| 2930 | Response of Milk Performance, Rumen and Hindgut Microbiome to Dietary Supplementation with <i>Aspergillus oryzae</i> Fermentation Extracts in Dairy Cows. <i>Current Microbiology</i> , 2022, 79, 113. | 1.0 | 7 |
| 2931 | In Vitro Assessment of Hydrolysed Collagen Fermentation Using Domestic Cat (<i>Felis catus</i>) Faecal Inocula. <i>Animals</i> , 2022, 12, 498. | 1.0 | 1 |
| 2932 | Investigation of <i>Euphorbia nivulia</i> -HAM for Enzyme Inhibition Potential in Relation to the Phenolic and Flavonoid Contents and Radical Scavenging Activity. <i>Life</i> , 2022, 12, 321. | 1.1 | 1 |
| 2933 | Effect of chemical and biological preservatives and ensiling stage on the dry matter loss, nutritional value, microbial counts, and ruminal in vitro gas production kinetics of wet brewerâ€™s grain silage. <i>Journal of Animal Science</i> , 2022, 100, . | 0.2 | 3 |
| 2934 | Bis-1,3,4-Oxadiazole Derivatives as Novel and Potential Urease Inhibitors; Synthesis, In Vitro, and In Silico Studies. <i>Medicinal Chemistry</i> , 2022, 18, 820-830. | 0.7 | 7 |
| 2935 | Catalytic Reduction of Dinitrogen to Ammonia and Hydrazine Using Ironâ€™Dinitrogen Complexes Bearing Anionic Benzene-Based PCP-Type Pincer Ligands. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 683-692. | 2.0 | 11 |
| 2936 | The Effects of Two Species of <i>Leucaena</i> on In Vitro Rumen Fermentation, Methane Production and Post-ruminal Protein Supply in Diets Based on <i>Urochloa</i> hybrid cv. Cayman. <i>Agronomy</i> , 2022, 12, 629. | 1.3 | 2 |
| 2937 | Identification and expression of bifunctional acid ureaâ€degrading enzyme/urethanase from <i>Enterobacter</i> sp. <sc>Râ€™SYB082</sc> and its application in degradation of ethyl carbamate in Chinese rice wine (<i>Huangjiu</i>). <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 4599-4608. | 1.7 | 7 |
| 2938 | Forage grass growth under future climate change scenarios affects fermentation and ruminant efficiency. <i>Scientific Reports</i> , 2022, 12, 4454. | 1.6 | 3 |
| 2940 | Biodegradation of nitriles derived from glucosinolates in rapeseed meal by BnNIT2: a nitrilase from <i>Brassica napus</i> with wide substrate specificity. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 2445-2454. | 1.7 | 1 |
| 2941 | Feeding mango wastes to dairy goats: Effects on diet digestibility, ruminal fermentation, and milk yield and composition. <i>Animal Feed Science and Technology</i> , 2022, 286, 115252. | 1.1 | 4 |
| 2942 | Synthesis and Reactivity of Manganese Complexes Bearing Anionic PNP- and PCP-Type Pincer Ligands toward Nitrogen Fixation. <i>Molecules</i> , 2022, 27, 2373. | 1.7 | 3 |
| 2943 | Effect of tannin extract associated with two levels of non-protein nitrogen in the supplement on performance, ruminal parameters, and microbial diversity of grazing Nellore cattle during the growing phase at dry season. <i>Animal Feed Science and Technology</i> , 2022, 286, 115269. | 1.1 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2944 | High amounts of medium-chain-length polyhydroxyalkanoates subunits can be accumulated in recombinant <i>Cupriavidus necator</i> with wild-type synthase. <i>Journal of Biotechnology</i> , 2022, 349, 25-31. | 1.9 | 4 |
| 2945 | The Effect of Early and Delayed Harvest on Dynamics of Fermentation Profile, Chemical Composition, and Bacterial Community of King Grass Silage. <i>Frontiers in Microbiology</i> , 2022, 13, 864649. | 1.5 | 6 |
| 2946 | Effect of Supplementing Grass Silage-Based Diets with Concentrate Carbohydrate Sources with Different Fermentation Profiles on N Metabolism of Beef Heifers Fed to Maintenance. <i>Ruminants</i> , 2022, 2, 188-200. | 0.4 | 0 |
| 2947 | Hydroboration and Hydrosilylation of a Molybdenum Nitride Complex Bearing a PNP-Type Pincer Ligand. <i>Organometallics</i> , 2022, 41, 366-373. | 1.1 | 5 |
| 2948 | Effect of High Hydrostatic Pressure Treatment on Urease Activity and Inhibition of Fishy Smell in Mackerel (<i>Scomber japonicus</i>) during Storage. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 1684-1691. | 0.9 | 3 |
| 2949 | Effects of Different Biological Fertilizers Formulated with Multiple Bacteria and Carriers in Pazar 20 Tea Clone on Leaf Enzyme Activity. <i>Uluslararası Tarım Ve Yaban Hayat Bilimleri Dergisi</i> , 2021, 7, 373-387. | 0.1 | 0 |
| 2950 | DETERMINATION OF ANTI-UREASE ACTIVITY OF PROPOLIS FROM MARMARA REGION OF TURKEY. <i>Uludag Arıcılık Dergisi</i> , 2022, 22, 25-30. | 0.6 | 1 |
| 2951 | A comparison of grazing versus zero-grazing on early-lactation dairy cow performance. <i>Journal of Agricultural Science</i> , 0, , 1-39. | 0.6 | 0 |
| 2952 | Changing the grazing session from morning to afternoon or including tannins in the diet was effective in decreasing the urinary nitrogen of dairy cows fed a total mixed ration and herbage. <i>Journal of Dairy Science</i> , 2022, 105, 4987-5003. | 1.4 | 3 |
| 2953 | Does biochar improve nutrient availability in Ultisols of tree plantations in the Ecuadorian Amazonia?. <i>Soil Science Society of America Journal</i> , 2022, 86, 1072-1085. | 1.2 | 2 |
| 2954 | Effect of Intrinsic Tannins on the Fermentation Quality and Associated with the Bacterial and Fungal Community of Sainfoin Silage. <i>Microorganisms</i> , 2022, 10, 844. | 1.6 | 10 |
| 2955 | Effect of Operational Parameters on the Removal of Carbamazepine and Nutrients in a Submerged Ceramic Membrane Bioreactor. <i>Membranes</i> , 2022, 12, 420. | 1.4 | 4 |
| 2956 | Agronomic practices and mycorrhizal development and function in maize: Root fungal interactions may affect early nutrition and yield. <i>Rhizosphere</i> , 2022, 22, 100525. | 1.4 | 2 |
| 2976 | Development of a continuous system for the degradation of a cyanuric acid by adsorbed <i>Pseudomonas</i> sp. NRRL B-12228. <i>Applied Microbiology and Biotechnology</i> , 1995, 43, 150-155. | 1.7 | 0 |
| 2977 | Morphologically favorable mutant of <i>Trichoderma reesei</i> for low viscosity cellulase production. <i>Biotechnology and Bioengineering</i> , 2022, 119, 2167-2181. | 1.7 | 8 |
| 2978 | Changes in Inorganic Chemical Species in Fog Water over Delhi. <i>Asian Journal of Atmospheric Environment</i> , 2022, 16, 1-13. | 0.4 | 1 |
| 2979 | Synthesis and biological activities of new hybrid chalcones with benzoic acid ring. <i>International Journal of Chemistry and Technology</i> , 2022, 6, 7-14. | 0.8 | 2 |
| 2980 | Function of Urease in Plants with Reference to Legumes: A Review. , 0, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 2981 | Supplementing a Phytogetic Feed Additive Modulates the Risk of Subacute Rumen Acidosis, Rumen Fermentation and Systemic Inflammation in Cattle Fed Acidogenic Diets. <i>Animals</i> , 2022, 12, 1201. | 1.0 | 12 |
| 2982 | Responses of endophytic bacterial communities in rice roots to phosphorus deficiency at the seedling stages. <i>European Journal of Soil Biology</i> , 2022, 110, 103405. | 1.4 | 2 |
| 2983 | 2-Hydroxy-4-(Methylthio) Butanoic Acid Isopropyl Ester Supplementation Altered Ruminal and Cecal Bacterial Composition and Improved Growth Performance of Finishing Beef Cattle. <i>Frontiers in Nutrition</i> , 2022, 9, . | 1.6 | 6 |
| 2984 | Synthesis, in vitro evaluation, and molecular docking studies of benzofuran based hydrazone a new inhibitors of urease. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103954. | 2.3 | 2 |
| 2985 | Exogenous nitrogen from riverine exports promotes soil methane production in saltmarshes in China. <i>Science of the Total Environment</i> , 2022, 838, 156203. | 3.9 | 1 |
| 2986 | Improve the nutritional value and utilization of rice straw via an ensiling process with different sources of energy and nitrogen enrichment. <i>Journal of Applied Animal Research</i> , 2022, 50, 333-341. | 0.4 | 5 |
| 2987 | Changes in fermentation profile of the reticulorumen and hindgut, and nutrient digestion in dry cows fed concentrate-rich diets supplemented with a phytogetic feed additive. <i>Journal of Dairy Science</i> , 2022, , . | 1.4 | 4 |
| 2988 | Diet Supplementation With Sulfur Amino Acids Modulated Fermentation Metabolome and Gut Microbiome in Goats. <i>Frontiers in Microbiology</i> , 2022, 13, . | 1.5 | 0 |
| 2989 | Effects of Gamma Irradiation on Inhibition of Urease Activity and Fishy Smell in Mackerel (<i>Scomber</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T 808-815. | 0.9 | 0 |
| 2990 | Sequence and Structure-Guided Engineering of Urethanase from <i>Agrobacterium tumefaciens</i> d3 for Improved Catalytic Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 7267-7278. | 2.4 | 15 |
| 2991 | Effect of lignosulfonates on the dry matter loss, nutritional value, and microbial counts of high moisture alfalfa silage. <i>Animal Feed Science and Technology</i> , 2022, 290, 115346. | 1.1 | 1 |
| 2993 | Structure and surface analyses of a newly synthesized acyl thiourea derivative along with its <i>in silico</i> and <i>in vitro</i> investigations for RNR, DNA binding, urease inhibition and radical scavenging activities. <i>RSC Advances</i> , 2022, 12, 17194-17207. | 1.7 | 6 |
| 2994 | Biochemical and Physiological Modifications in Seedlings of <i>Schinus terebinthifolius</i> Raddi. After Hardening with Salicylic Acid. <i>Floresta E Ambiente</i> , 2022, 29, . | 0.1 | 0 |
| 2995 | Metagenomic and Metabolomic Insights Into the Mechanism Underlying the Disparity in Milk Yield of Holstein Cows. <i>Frontiers in Microbiology</i> , 0, 13, . | 1.5 | 3 |
| 2996 | Effect of Hydrogen-Consuming Compounds on In Vitro Ruminal Fermentation, Fatty Acids Profile, and Microbial Community in Water Buffalo. <i>Current Microbiology</i> , 2022, 79, . | 1.0 | 3 |
| 2997 | Electrocatalytic Reduction of Nitrogen Oxyanions with a Redox-Active Cobalt Macrocyclic Complex. <i>Inorganic Chemistry</i> , 2022, 61, 9034-9039. | 1.9 | 8 |
| 2998 | Effect of supplementation strategies and the use of exogenous xylanase enzyme on ruminal fermentation, digestibility, animal performance, and carcass characteristics of Nellore bulls grazing during dry season. <i>Animal Feed Science and Technology</i> , 2022, 290, 115373. | 1.1 | 2 |
| 2999 | Alterations in rumen microbiota via oral fiber administration during early life in dairy cows. <i>Scientific Reports</i> , 2022, 12, . | 1.6 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3000 | Substituting ryegrass-based pasture with graded levels of forage rape in the diet of lambs decreases methane emissions and increases propionate, succinate, and primary alcohols in the rumen. <i>Journal of Animal Science</i> , 2022, 100, . | 0.2 | 3 |
| 3001 | Effects of urea supplementation on the nutritional quality and microbial community of alfalfa (<i>Medicago sativa</i> L.) silage. <i>Archives of Microbiology</i> , 2022, 204, . | 1.0 | 5 |
| 3002 | Effects of methanolic leaf extracts of <i>Jatropha curcas</i> , <i>Alchonnea cordifolia</i> , and <i>Secamone afzelii</i> in Doxorubicin-induced hypertensive nephropathy in pregnant Wistar rats. <i>Annals of Clinical and Biomedical Research</i> , 2022, 3, . | 0.0 | 0 |
| 3003 | Centroid and hydrogen bond interactions as robust supramolecular units for crystal engineering: X-ray crystallographic, computational and urease inhibitory investigations of 1,2,4-triazolo[3,4-a]phthalazines. <i>CrystEngComm</i> , 0, , . | 1.3 | 5 |
| 3004 | Synthesis, Antioxidant and Some Enzyme Inhibition Activities of New Sulfonyl Hydrazones and their Molecular Docking Simulations. <i>Pharmaceutical Chemistry Journal</i> , 2022, 56, 559-569. | 0.3 | 2 |
| 3005 | Design, synthesis, and in silico studies of tetrahydropyrimidine analogs as urease enzyme inhibitors. <i>Archiv Der Pharmazie</i> , 2022, 355, . | 2.1 | 7 |
| 3006 | Effect of feeding fresh forage plantain (<i>Plantago lanceolata</i>) or ryegrass-based pasture on methane emissions, total-tract digestibility, and rumen fermentation of nonlactating dairy cows. <i>Journal of Dairy Science</i> , 2022, 105, 6628-6638. | 1.4 | 7 |
| 3007 | Soil type modifies the impacts of warming and snow exclusion on leachate carbon and nutrient losses. <i>Biogeochemistry</i> , 0, , . | 1.7 | 0 |
| 3008 | The Exploring Functional Role of Ammonium Transporters of <i>Aspergillus oryzae</i> in Nitrogen Metabolism: Challenges towards Cell Biomass Production. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7567. | 1.8 | 0 |
| 3009 | Green efficient synthesis of urease and acetylcholinesterase inhibiting anisaldehyde derivatives and their in-silico studies. <i>Journal of Molecular Structure</i> , 2022, 1267, 133624. | 1.8 | 2 |
| 3010 | Evaluation of a Colombian oregano oil (<i>Lippia origanoides</i> Kunth) and a novel yeast product from <i>Pichia guilliermondii</i> , alone or in combination, on rumen fermentation, methanogenesis and the microbiome in the rumen simulation technique. <i>Frontiers in Animal Science</i> , 0, 3, . | 0.8 | 0 |
| 3011 | Effects of a combination of fibrolytic and amylolytic enzymes on ruminal enzyme activities, bacterial diversity, blood profile and milk production in dairy cows. <i>Animal</i> , 2022, 16, 100595. | 1.3 | 1 |
| 3012 | Complete genome sequencing and analysis revealed the nitrogen utilization strategy of a novel <i>Aceticoccus</i> species isolated from surface water of the Indian Ocean. <i>Marine Genomics</i> , 2022, 65, 100971. | 0.4 | 2 |
| 3013 | Synergism of <i>Bradyrhizobium</i> and <i>Azospirillum baldaniorum</i> improves growth and symbiotic performance in lima bean under salinity by positive modulations in leaf nitrogen compounds. <i>Applied Soil Ecology</i> , 2022, 180, 104603. | 2.1 | 9 |
| 3014 | Progressive microbial adaptation of the bovine rumen and hindgut in response to a step-wise increase in dietary starch and the influence of phytogenic supplementation. <i>Frontiers in Microbiology</i> , 0, 13, . | 1.5 | 12 |
| 3015 | Compost Composition and Application Rate Have a Greater Impact on Spinach Yield and Soil Fertility Benefits Than Feedstock Origin. <i>Horticulturae</i> , 2022, 8, 688. | 1.2 | 6 |
| 3016 | Cephalosporin as Potent Urease and Tyrosinase Inhibitor: Exploration through Enzyme Inhibition, Kinetic Mechanism, and Molecular Docking Studies. <i>BioMed Research International</i> , 2022, 2022, 1-11. | 0.9 | 2 |
| 3017 | The Replacement of Ground Corn with Sugar Beet in the Diet of Pasture-Fed Lactating Dairy Cows and Its Effect on Productive Performance and Rumen Metabolism. <i>Animals</i> , 2022, 12, 1927. | 1.0 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3018 | Synthesis and Characterization of New Bistriazole Quinazolinediones and their Urease Inhibition Activities. <i>Letters in Organic Chemistry</i> , 2022, 19, . | 0.2 | 0 |
| 3019 | Preparation and Reactivity of Rheniumâ€“Nitride Complexes Bearing PNP-Type Pincer Ligands toward Nitrogen Fixation. <i>Organometallics</i> , 0, , . | 1.1 | 2 |
| 3020 | Topographic gradients of soil physical, chemical, and mineralogical properties in central Kentucky sinkholes. <i>Soil Science Society of America Journal</i> , 0, , . | 1.2 | 0 |
| 3021 | l-Glutamine-, peptidyl- and protein-glutaminases: structural features and applications in the food industry. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, . | 1.7 | 1 |
| 3023 | Dynamic Profiles of Fermentation Quality and Microbial Community of Kudzu (<i>Pueraria lobata</i>) Ensiled with Sucrose. <i>Agronomy</i> , 2022, 12, 1853. | 1.3 | 1 |
| 3024 | Nitrogen Use Efficiency and Partitioning of Dairy Heifers Grazing Perennial Ryegrass (<i>Lolium perenne</i>) Tj ETQq1 1 0.784314 rgBT /Overlo | 1.3 | 0 |
| 3025 | Buffer Assists Electrocatalytic Nitrite Reduction by a Cobalt Macrocyclic Complex. <i>Inorganic Chemistry</i> , 2022, 61, 12998-13006. | 1.9 | 8 |
| 3026 | Effect of dietary peNDF levels on digestibility and rumen fermentation, and microbial community in growing goats. <i>Frontiers in Microbiology</i> , 0, 13, . | 1.5 | 4 |
| 3027 | Rumen fluid preservation for in vitro gas production systems. <i>Animal Feed Science and Technology</i> , 2022, 292, 115405. | 1.1 | 6 |
| 3028 | Recurrent selection of new breeding lines and yield potential, nutrient profile and in vitro rumen characteristics of <i>Melilotus officinalis</i> . <i>Field Crops Research</i> , 2022, 287, 108657. | 2.3 | 1 |
| 3029 | New mechanistic insights on <i>Justicia vahlii</i> Roth: UPLC-Q-TOF-MS and GCâ€“MS based metabolomics, in-vivo, in-silico toxicological, antioxidant based anti-inflammatory and enzyme inhibition evaluation. <i>Arabian Journal of Chemistry</i> , 2022, 15, 104135. | 2.3 | 14 |
| 3030 | Effect of daily or intermittent addition of fenugreek (<i>Trigonella foenum graecum</i> L.) seeds to concentrate on intake, digestion, and growth performance of Barbarine lamb. <i>Small Ruminant Research</i> , 2022, 216, 106792. | 0.6 | 2 |
| 3031 | Short initial period of high carbohydrate feeding improves nutrient utilisation in juvenile Nile tilapia (<i>Oreochromis niloticus</i>) fed a high carbohydrate diet. <i>Aquaculture</i> , 2022, 561, 738661. | 1.7 | 3 |
| 3032 | NUTRIENT DYNAMICS IN SOIL ASSOCIATED WITH LEAF LITTER OF <i>Shorea robusta</i> Gaertn. f. IN MADHUPUR SAL FOREST OF BANGLADESH. <i>Khulna University Studies</i> , 0, , 1-8. | 0.0 | 0 |
| 3033 | Novel fluoroquinolone hybrids as dual DNA gyrase and urease inhibitors with potential antibacterial activity: Design, synthesis, and biological evaluation. <i>Journal of Molecular Structure</i> , 2023, 1271, 134049. | 1.8 | 7 |
| 3034 | Nutrients dynamics associated with leaf litter degradation of <i>Bruguiera parviflora</i> (Wight & Arn.) at Kuala Selangor Mangrove forest, Malaysia. <i>Indian Journal of Forestry</i> , 2007, 30, 325-330. | 0.1 | 2 |
| 3035 | Isolation and characterization of sulphate reducing bacteria from goat rumen and its inclusion to improve in vitro feed fermentation. <i>Indian Journal of Animal Sciences</i> , 2022, 92, 96-100. | 0.1 | 1 |
| 3036 | <i>Dryopteris juxtapostia</i> Root and Shoot: Determination of Phytochemicals; Antioxidant, Anti-Inflammatory, and Hepatoprotective Effects; and Toxicity Assessment. <i>Antioxidants</i> , 2022, 11, 1670. | 2.2 | 8 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3037 | Humulus lupulus L. (Hop) Based Silver Nanoparticles: Synthesis, Characterization and Enzyme Inhibition Effects. <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2022, 21, 11-20. | 0.3 | 2 |
| 3038 | Evaluation of the Chemical Composition, Bioactive Substance, Gas Production, and Rumen Fermentation Parameters of Four Types of Distiller's Grains. <i>Molecules</i> , 2022, 27, 6134. | 1.7 | 7 |
| 3040 | Genetic Analysis and Fine Mapping of ZmGHT1 Conferring Glufosinate Herbicide Tolerance in Maize (<i>Zea mays</i>) Tj ETQq0,0,0 rgBT /Overlock 1 | 1.8 | 0 |
| 3041 | Silage Mixtures of Alfalfa with Sweet Sorghum Alter Blood and Rumen Physiological Status and Rumen Microbiota of Karakul Lambs. <i>Animals</i> , 2022, 12, 2591. | 1.0 | 2 |
| 3042 | Effects of <i>Entodinium caudatum</i> monocultures in an acidotic environment on <i>in vitro</i> rumen fermentation. <i>Journal of Animal and Feed Sciences</i> , 2022, 31, 379-383. | 0.4 | 1 |
| 3043 | Effects of capsicum oleoresin supplementation on rumen fermentation and microbial abundance under different temperature and dietary conditions <i>in vitro</i> . <i>Frontiers in Microbiology</i> , 0, 13, . | 1.5 | 4 |
| 3044 | BIOLOGICAL CYCLING OF MACRO-NUTRIENTS (N, P, K, Ca, Mg, S) IN BRUGUIERA PARVIFLORA DOMINATED MANGROVE FOREST AT KUALA SELANGOR NATURE PARK, MALAYSIA. <i>Khulna University Studies</i> , 0, , 49-55. | 0.0 | 0 |
| 3045 | A Spectroscopically Observed Iron Nitrosyl Intermediate in the Reduction of Nitrate by a Surface-Conjugated Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2022, 144, 17824-17831. | 6.6 | 15 |
| 3046 | EFFECT OF SHRIMP POND SLUDGE ON SEEDLING GROWTH OF MAHOGANY (<i>Swietenia macrophylla</i>). <i>Khulna University Studies</i> , 0, , 149-155. | 0.0 | 0 |
| 3047 | Antioksidan ve α -amiraz Enzim α -nhibitör Olarak Siyah α -ay α -leme At α - α -ndaki Kate α -inleri α - α -Seren Baz α - Azo Bile α -ikleri. <i>El-Cezeri Journal of Science and Engineering</i> , 0, , . | 0,1 | 1 |
| 3048 | Trade-offs in organic nutrient management strategies across mixed vegetable farms in Southwest British Columbia. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, . | 1.8 | 0 |
| 3049 | L-DOPA Impacts Nitrate and Ammonium Uptake and Their Assimilation into Amino Acids by Soybean (<i>Glycine max</i> L.) Plants. <i>Journal of Plant Growth Regulation</i> , 0, , . | 2.8 | 0 |
| 3050 | Effects of dietary supplementation of <i>Mallotus philippensis</i> leaf powder on rumen fermentation pattern, enzyme profile and ciliate protozoal population in growing crossbred calves. <i>Indian Journal of Animal Sciences</i> , 2022, 91, . | 0.1 | 1 |
| 3051 | Exploring Novel Pyridine Carboxamide Derivatives as Urease Inhibitors: Synthesis, Molecular Docking, Kinetic Studies and ADME Profile. <i>Pharmaceuticals</i> , 2022, 15, 1288. | 1.7 | 5 |
| 3052 | Synthesis and Identification of New N,N-Disubstituted Thiourea, and Thiazolidinone Scaffolds Based on Quinolone Moiety as Urease Inhibitor. <i>Molecules</i> , 2022, 27, 7126. | 1.7 | 5 |
| 3053 | Effect of Sodium Nitrate and Cysteamine on <i>In Vitro</i> Ruminal Fermentation, Amino Acid Metabolism and Microbiota in Buffalo. <i>Microorganisms</i> , 2022, 10, 2038. | 1.6 | 5 |
| 3054 | Arbuscular Mycorrhizal Fungi Promote Physiological and Biochemical Advantages in <i>Handroanthus serratifolius</i> Seedlings Submitted to Different Water Deficits. <i>Plants</i> , 2022, 11, 2731. | 1.6 | 1 |
| 3055 | New Triazinoindole Bearing Benzimidazole/Benzoxazole Hybrids Analogs as Potent Inhibitors of Urease: Synthesis, <i>In Vitro</i> Analysis and Molecular Docking Studies. <i>Molecules</i> , 2022, 27, 6580. | 1.7 | 11 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3056 | Catalytic transfer hydrogenation of N ₂ to NH ₃ via a photoredox catalysis strategy. <i>Science Advances</i> , 2022, 8, . | 4.7 | 16 |
| 3057 | Implications of phyto-feed additives supplementation in buffalo calves on rumen fermentation pattern and microbial population. <i>Indian Journal of Animal Sciences</i> , 2022, 92, . | 0.1 | 0 |
| 3058 | Rapid improvement in soil health following the conversion of abandoned farm fields to annual or perennial agroecosystems. <i>Frontiers in Sustainable Food Systems</i> , 0, 6, . | 1.8 | 5 |
| 3059 | Fermented soybean meal modified the rumen microbiome to enhance the yield of milk components in Holstein cows. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 7627-7642. | 1.7 | 5 |
| 3060 | Synthesis, Characterization, Optical Properties, Molecular Modeling and Urease Inhibition Analysis of Organic Ligands and Their Metal Complexes. <i>Journal of Fluorescence</i> , 2023, 33, 113-124. | 1.3 | 2 |
| 3061 | 1,3,4-Thiadiazole and 1,2,4-triazole-5-thione derivatives bearing 2-pentyl-5-phenyl-2,4-dihydro-1,2,4-triazole-3-one ring: Synthesis, molecular docking, urease inhibition, and crystal structure. <i>Archiv Der Pharmazie</i> , 0, , . | 2.1 | 1 |
| 3062 | Combined Application of Aminoglycosides and Ascorbic Acid in the Elimination of <i>Proteus mirabilis</i> Rods Responsible for Causing Catheter-Associated Urinary Tract Infections (CAUTIs) – A Molecular Approach. <i>International Journal of Molecular Sciences</i> , 2022, 23, 13069. | 1.8 | 2 |
| 3063 | Absolute microbiome profiling highlights the links among microbial stability, soil health, and crop productivity under long-term sod-based rotation. <i>Biology and Fertility of Soils</i> , 2022, 58, 883-901. | 2.3 | 7 |
| 3064 | Synthesis, In Vitro Anti-Microbial Analysis and Molecular Docking Study of Aliphatic Hydrazide-Based Benzene Sulphonamide Derivatives as Potent Inhibitors of L-Glucosidase and Urease. <i>Molecules</i> , 2022, 27, 7129. | 1.7 | 13 |
| 3065 | Species loss and nitrogen pollution alter litter decomposition dynamics in coastal salt marshes. <i>Oecologia</i> , 2022, 200, 479-490. | 0.9 | 1 |
| 3066 | <i>Viscum album</i> Prevents Haematological changes, Electrolyte Imbalance, Changes in Liver Function Enzymes and Histological Alterations in Some Selected Tissues in Cadmium Chloride-Intoxicated Rats. <i>Saudi Journal of Biological Sciences</i> , 2022, , 103486. | 1.8 | 0 |
| 3067 | Diet containing sulfur shifted hydrogen metabolism from methanogenesis to alternative sink and influenced fermentation and gut microbial ecosystem of goats. <i>Animal Feed Science and Technology</i> , 2022, 294, 115480. | 1.1 | 0 |
| 3068 | Identification of potential urease inhibitors and antioxidants based on saccharin derived analogs: Synthesis, in vitro, and in silico studies. <i>Journal of Molecular Structure</i> , 2023, 1274, 134376. | 1.8 | 2 |
| 3069 | Discovering biological efficacy of new thiadiazole as effective inhibitors of urease, glycation, and (DPPH) scavengers: Biochemical and in silico study. <i>Journal of Molecular Structure</i> , 2023, 1274, 134449. | 1.8 | 0 |
| 3070 | Degradation of ethyl carbamate in strong-flavor Baijiu by the microbial combination culture. <i>Food Control</i> , 2023, 145, 109447. | 2.8 | 2 |
| 3071 | MACRONUTRIENTS CONTENT IN DIFFERENT PARTS OF SEEDLING, SAPLING AND TREE OF <i>Bruguiera parviflora</i> OF KUALA SELANGOR NATURE PARK MANGROVE FOREST IN MALAYSIA. <i>Khulna University Studies</i> , 0, , 15-20. | 0.0 | 1 |
| 3072 | Seasonal variation in concentrations of N, P and K in different components of <i>Bruguiera parviflora</i> (Wight and Arnold) at three growth stages in Malaysia. <i>Indian Journal of Forestry</i> , 2006, 29, 149-155. | 0.1 | 2 |
| 3073 | Identification of (N-aryl-N-arylsulfonyl)aminoacetohydroxamic acids as novel urease inhibitors and the mechanism exploration. <i>Bioorganic Chemistry</i> , 2023, 130, 106275. | 2.0 | 4 |

| # | ARTICLE | IF | CITATIONS |
|------|---|-----|-----------|
| 3074 | Synthesis of 2-Aminopyrimidine Derivatives and Their Evaluation as β -Glucuronidase Inhibitors: In Vitro and In Silico Studies. <i>Molecules</i> , 2022, 27, 7786. | 1.7 | 3 |
| 3075 | Relationship between different sources of non-protein nitrogen and supplementation times on performance and metabolism of grazing Nellore cattle during the dry season. <i>Tropical Animal Health and Production</i> , 2022, 54, . | 0.5 | 0 |
| 3076 | Effect of Methionine Analogues on Growth Performance, Serum Biochemical Parameters, Serum Free Amino Acids and Rumen Fermentation of Yaks. <i>Animals</i> , 2022, 12, 3175. | 1.0 | 1 |
| 3077 | Urease inhibition and anti-leishmanial properties of Zn(II) complexes of thiophenyl and furyl-derived C_2 -symmetric ligands. <i>Journal of Coordination Chemistry</i> , 2022, 75, 2978-2999. | 0.8 | 1 |
| 3078 | Ensiling of rice straw enhances the nutritive quality, improves average daily gain, reduces in vitro methane production and increases ruminal bacterial diversity in growing Hu lambs. <i>Animal Feed Science and Technology</i> , 2023, 295, 115513. | 1.1 | 4 |
| 3079 | Propionic acid-based additive with surfactant action on the nutritive value of rehydrated corn grain silage for growing ewe lambs performance. <i>Animal Feed Science and Technology</i> , 2022, 294, 115515. | 1.1 | 2 |
| 3080 | Phenolic profiles, antioxidant, anti-quorum sensing, antibiofilm and enzyme inhibitory activities of selected Acacia species collected from Benin. <i>LWT - Food Science and Technology</i> , 2022, 171, 114162. | 2.5 | 13 |
| 3081 | Polyhydroxybutyrate production in one-stage by purple phototrophic bacteria: Influence of alkaline pH, ethanol, and C/N ratios. <i>Biochemical Engineering Journal</i> , 2022, 189, 108715. | 1.8 | 3 |
| 3082 | Development of a high rate biological system (Anammox + phosphorous) for the treatment of low strength wastewaters. <i>Environmental Chemistry and Ecotoxicology</i> , 2023, 5, 24-28. | 4.6 | 0 |
| 3083 | Nanoparticles encapsulating sesame seeds (<i>Sesamum indicum</i>) oil: Physicochemical, antioxidant and enzymatic inhibition properties. <i>Journal of Drug Delivery Science and Technology</i> , 2023, 79, 104003. | 1.4 | 2 |
| 3084 | Biorefined press cake silage as feed source for dairy cows: effect on milk production and composition, rumen fermentation, nitrogen and phosphorus excretion and in vitro methane production. <i>Livestock Science</i> , 2023, 267, 105135. | 0.6 | 4 |
| 3085 | Efficacy of dietary supplementation of <i>Tinospora cordifolia</i> stem in prevention of sub-acute lactic acidosis in goats. <i>Indian Journal of Animal Sciences</i> , 2019, 89, . | 0.1 | 0 |
| 3086 | Effect of epiphytic lactic acid bacteria fermented juice inclusion on quality of total mixed ration silage of agricultural and food by-products. <i>Indian Journal of Animal Sciences</i> , 2019, 89, . | 0.1 | 1 |
| 3087 | Nutritional evaluation of some Indian tree pods for livestock feeding. <i>Indian Journal of Animal Sciences</i> , 2021, 90, 1535-1540. | 0.1 | 0 |
| 3088 | Nutritional evaluation of some Indian tree leaves and herbs as fodder and defaunating agent in sheep. <i>Indian Journal of Animal Sciences</i> , 2019, 89, . | 0.1 | 0 |
| 3089 | pH-Dependent Hydrogenotrophic Denitrification Based on Self-Alkalization. <i>Environmental Science & Technology</i> , 2023, 57, 685-696. | 4.6 | 10 |
| 3090 | Potassium deficiency causes more nitrate nitrogen to be stored in leaves for low-K sensitive sweet potato genotypes. <i>Frontiers in Plant Science</i> , 0, 13, . | 1.7 | 2 |
| 3091 | Effects of <i>Lactiplantibacillus plantarum</i> and <i>Lactiplantibacillus brevis</i> on fermentation, aerobic stability, and the bacterial community of paper mulberry silage. <i>Frontiers in Microbiology</i> , 0, 13, . | 1.5 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3092 | Vegetation type and fire severity mediate short-term post fire soil microbial responses. <i>Plant and Soil</i> , 2023, 484, 155-170. | 1.8 | 1 |
| 3093 | Identifying and Remediating Soil Microbial Legacy Effects of Invasive Grasses for Restoring California Coastal Sage Scrub Ecosystems. <i>Diversity</i> , 2022, 14, 1095. | 0.7 | 1 |
| 3094 | In Vitro Rumen Fermentation and Post-Ruminal Digestibility of Sorghum Soybean Forage as Affected by Ensiling Length, Storage Temperature, and Its Interactions with Crude Protein Levels. <i>Animals</i> , 2022, 12, 3400. | 1.0 | 0 |
| 3095 | Divergent responses of soil microorganisms to throughfall exclusion across tropical forest soils driven by soil fertility and climate history. <i>Soil Biology and Biochemistry</i> , 2023, 177, 108924. | 4.2 | 2 |
| 3096 | Simultaneous Carbamazepine and Phosphate Removal from a Moving-Bed Membrane Bioreactor Effluent by the Electrochemical Process: Treatment Optimization by Factorial Design. <i>Membranes</i> , 2022, 12, 1256. | 1.4 | 1 |
| 3097 | Live yeast supplementation altered the bacterial community's composition and function in rumen and hindgut and alleviated the detrimental effects of heat stress on dairy cows. <i>Journal of Animal Science</i> , 0, , . | 0.2 | 1 |
| 3098 | Maturação de frutos e sementes de sapucaia (<i>Lecythis pisonis</i> Cambess. - Lecythidaceae). <i>Revista De Biologia Neotropical / Journal of Neotropical Biology</i> , 2022, 19, 50-68. | 0.1 | 1 |
| 3099 | Wastewater bacteria remediating the pharmaceutical metformin: Genomes, plasmids and products. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, . | 2.0 | 10 |
| 3100 | Effects of Post-Ruminal Urea Supplementation during the Seasonal Period on Performance and Rumen Microbiome of Rearing Grazing Nellore Cattle. <i>Animals</i> , 2022, 12, 3463. | 1.0 | 3 |
| 3101 | The Effect of Variable Fertilizer and Irrigation Treatments on Greenhouse Gas Fluxes from Aridland Sorghum. <i>Agronomy</i> , 2022, 12, 3109. | 1.3 | 0 |
| 3102 | Full-fat insect meals in ruminant nutrition: in vitro rumen fermentation characteristics and lipid biohydrogenation. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, . | 2.1 | 5 |
| 3103 | Mulberry flavonoids modulate rumen bacteria to alter fermentation kinetics in water buffalo. <i>PeerJ</i> , 0, 10, e14309. | 0.9 | 2 |
| 3104 | Potential of Agroindustrial By-Products to Modulate Ruminal Fermentation and Reduce Methane Production: In Vitro Studies. <i>Animals</i> , 2022, 12, 3540. | 1.0 | 0 |
| 3105 | X-ray Structures and Computational Studies of Two Bioactive 2-(Adamantane-1-carbonyl)-N-substituted Hydrazine-1-carbothioamides. <i>Molecules</i> , 2022, 27, 8425. | 1.7 | 1 |
| 3106 | Moringa oleifera and Propolis in Cattle Nutrition: Characterization of Metabolic Activities in the Rumen In Vitro. <i>Metabolites</i> , 2022, 12, 1237. | 1.3 | 0 |
| 3107 | Effect of Post-Ruminal Urea Supply on Growth Performance of Grazing Nellore Young Bulls at Dry Season. <i>Animals</i> , 2023, 13, 207. | 1.0 | 3 |
| 3108 | Influence of Moringa oleifera foliage supplementation on feed intake, rumen fermentation and microbial profile of goats. <i>Indian Journal of Animal Sciences</i> , 2018, 88, 458-462. | 0.1 | 3 |
| 3109 | Assessment of fodder quality and methane production potential of north-eastern Himalayan forest tree leaves. <i>Indian Journal of Animal Sciences</i> , 2019, 89, . | 0.1 | 3 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3110 | Cashmirins A and B, new antifungal and urease inhibitory prenylated coumarins from <i>Sorbus cashmiriana</i> . <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 58, . | 1.2 | 0 |
| 3111 | Effect of corn shredlage on feed intake, rumen fermentation, and lactation performance of dairy cows fed a low-fibre diet. <i>Italian Journal of Animal Science</i> , 2023, 22, 116-124. | 0.8 | 0 |
| 3112 | Vanadium-Catalyzed Dinitrogen Reduction to Ammonia via a $[V]^{IV} \rightarrow [V]^{III} \rightarrow [V]^{II}$ Intermediate. <i>Journal of the American Chemical Society</i> , 2023, 145, 811-821. | 6.6 | 9 |
| 3113 | Sulfadiazine and phosphinothricin selection systems optimised for the transformation of tobacco BY-2 cells. <i>Plant Cell Reports</i> , 0, , . | 2.8 | 0 |
| 3114 | Revisiting the Electrochemical Nitrogen Reduction on Molybdenum and Iron Carbides: Promising Catalysts or False Positives?. <i>ACS Catalysis</i> , 2023, 13, 1649-1661. | 5.5 | 10 |
| 3116 | Potential factors causing failure of whole plant nettle (<i>Urtica cannabina</i>) silages. <i>Frontiers in Microbiology</i> , 0, 13, . | 1.5 | 0 |
| 3117 | Combined experimental and computational approach toward biological, physicochemical and quantum chemical aspects of substituted 1-[5-phenyl-3-(2-trifluoromethyl-phenyl)-4,5-dihydro-pyrazol-1-yl]-ethanone. <i>Results in Chemistry</i> , 2023, 5, 100772. | 0.9 | 2 |
| 3118 | Health risk posed by direct ingestion of yeasts from polluted river water. <i>Water Research</i> , 2023, 231, 119599. | 5.3 | 10 |
| 3119 | Dietary inclusion of fermented ginger straw effect on the growth performance, gastrointestinal tract development and caecal fermentation of fattening rabbits. <i>World Rabbit Science</i> , 2022, 30, 267-276. | 0.1 | 0 |
| 3120 | Effect of different dry matter content on fermentation characteristics and nutritional quality of Napier grass silage with novel lactic acid bacteria strains. <i>Letters in Applied Microbiology</i> , 2023, 76, . | 1.0 | 1 |
| 3121 | Forage mixture productivity and silage quality from a grass/legume intercrop in a semiarid Mediterranean environment. <i>Agronomy Journal</i> , 2023, 115, 1131-1145. | 0.9 | 2 |
| 3122 | Preserving <i>Saccharina latissima</i> and <i>Porphyra umbilicalis</i> in Multinutrient Blocks: An In Vitro Evaluation. <i>Agriculture (Switzerland)</i> , 2023, 13, 263. | 1.4 | 1 |
| 3125 | Concerns with Passive Anaerobic Bioreactors for Selenium Removal from Coal Slurry Liquid Wastes. <i>Mine Water and the Environment</i> , 0, , . | 0.9 | 0 |
| 3126 | Combined metagenomic and metabolomic analyses reveal that <i>Bt</i> rice planting alters soil C-N metabolism. <i>ISME Communications</i> , 2023, 3, . | 1.7 | 6 |
| 3127 | Effects of direct-fed <i>Bacillus subtilis</i> and <i>Bacillus licheniformis</i> on production performance and milk fatty acid profile in dairy cows. <i>Journal of Dairy Science</i> , 2023, 106, 1815-1825. | 1.4 | 5 |
| 3128 | Memantine derived compounds as potent in vitro inhibitors of urease: Repurposing of memantine, sonication assisted derivatization and in vitro enzyme inhibition, kinetics and molecular docking studies. <i>Medicinal Chemistry Research</i> , 2023, 32, 525-541. | 1.1 | 2 |
| 3129 | The fecal microbiomes analysis of Marabou storks (<i>Leptoptilos crumenifer</i>) reveals their acclimatization to the feeding environment in the Kampala urban areas, Uganda. <i>Journal of Veterinary Medical Science</i> , 2023, 85, 450-458. | 0.3 | 0 |
| 3130 | Production, purification, characterization and application of two novel endoglucanases from buffalo rumen metagenome. <i>Journal of Animal Science and Biotechnology</i> , 2023, 14, . | 2.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3131 | Evaluating the effect of phenolic compounds as hydrogen acceptors when ruminal methanogenesis is inhibited in vitro – Part 1. Dairy cows. <i>Animal</i> , 2023, , 100788. | 1.3 | 0 |
| 3132 | Evaluating response mechanisms of soil microbiomes and metabolomes to Bt toxin additions. <i>Journal of Hazardous Materials</i> , 2023, 448, 130904. | 6.5 | 0 |
| 3133 | Phytochemical profiling, antioxidant activities and in vitro/in silico enzyme inhibitory potentials of apricot cultivars grown in IÄYdÄ±r/Turkey. <i>South African Journal of Botany</i> , 2023, 156, 257-267. | 1.2 | 3 |
| 3134 | Nutrient utilization and ingestive behavior by lambs fed a partial mixed ration consisting of different carbohydrate sources combined with fresh alfalfa. <i>Livestock Science</i> , 2023, 271, 105215. | 0.6 | 0 |
| 3135 | Unraveling putative antiulcer phytoconstituents against <i>Helicobacter pylori</i> urease and human H ⁺ /K ⁺ -ATPase from <i>Jacaranda mimosifolia</i> using UPLC-MS/MS coupled to chemometrics and molecular docking. <i>Microchemical Journal</i> , 2023, 189, 108550. | 2.3 | 0 |
| 3136 | Concurrence of microplastics and heat waves reduces rice yields and disturbs the agroecosystem nitrogen cycle. <i>Journal of Hazardous Materials</i> , 2023, 452, 131340. | 6.5 | 4 |
| 3137 | Effect of prolific breed type and silage type on ewe performance during late pregnancy. <i>Small Ruminant Research</i> , 2023, 223, 106981. | 0.6 | 0 |
| 3138 | Chemically modified nylons as supports for enzyme immobilization. <i>Journal of Solid-Phase Biochemistry</i> , 1976, 1, 275-286. | 0.5 | 16 |
| 3142 | High-energy diet modify rumen microbial composition and microbial energy metabolism pattern in fattening sheep. <i>BMC Veterinary Research</i> , 2023, 19, . | 0.7 | 2 |
| 3143 | The effect of aluminum treatment on metabolism in oil palm seedlings. <i>Bioscience Journal</i> , 0, 39, e39006. | 0.4 | 0 |
| 3144 | Cholinesterase, Î±-glucosidase, tyrosinase and urease inhibitory activities of compounds from fruits of <i>Rinorea oblongifolia</i> C.H. Wright (Violaceae). <i>Natural Product Research</i> , 2023, 37, 4169-4180. | 1.0 | 3 |
| 3145 | Size-separated aerosol chemical characterization over Ny-Å...lesund during the Arctic summer of 2010. , 2023, 2, 100016. | | 0 |
| 3146 | Poorly drained depressions can be hotspots of nutrient leaching from agricultural soils. <i>Journal of Environmental Quality</i> , 2023, 52, 678-690. | 1.0 | 2 |
| 3147 | Synthesis, in vitro urease inhibitory potential and molecular docking study of bis-indole bearing sulfonamide analogues. <i>Chemical Data Collections</i> , 2023, 44, 100999. | 1.1 | 0 |
| 3148 | Active dry yeast supplementation benefits ruminal fermentation, bacterial community, blood immunoglobulins, and growth performance in young dairy goats, but not for intermittent supplementation. <i>Animal Nutrition</i> , 2023, 13, 289-301. | 2.1 | 4 |
| 3149 | Design, Synthesis and Evaluation of Aryl-tailored Oxadiazole-thiones as New Urease Inhibitors. <i>ChemistrySelect</i> , 2023, 8, . | 0.7 | 2 |
| 3150 | Increasing Temperature Results in Higher Allocation of Energy to Protein Synthesis in Sea Urchin Larvae (<i>Lytechinus pictus</i>). <i>Biological Bulletin</i> , 2023, 244, 35-50. | 0.7 | 1 |
| 3151 | Crotofoligandrin, a new endoperoxide crotofolane-type diterpenoid from the twigs of <i>Croton oligandrus</i> Pierre ex. Hutch (Euphorbiaceae). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2023, 78, 275-283. | 0.6 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3152 | Green synthesis and characterization of silver nanoparticles through the Piper cubeba ethanolic extract and their enzyme inhibitory activities. <i>Frontiers in Chemistry</i> , 0, 11, . | 1.8 | 9 |
| 3153 | Effect of Metabolizable Protein Supply on Milk Performance, Ruminal Fermentation, Apparent Total-Tract Digestibility, Energy and Nitrogen Utilization, and Enteric Methane Production of Ayrshire and Holstein Cows. <i>Animals</i> , 2023, 13, 832. | 1.0 | 1 |
| 3154 | Repeated dose 13-week oral toxicity evaluation of Chlorophytum alismifolium Baker methanol extract in Wistar rats. <i>Comparative Clinical Pathology</i> , 0, , . | 0.3 | 0 |
| 3155 | Capric and lauric acid mixture decreased rumen methane production, while combination with nitrate had no further benefit in methane reduction. <i>Annals of Animal Science</i> , 2023, 23, 799-808. | 0.6 | 0 |
| 3156 | Effects of Capsicum oleoresin Inclusion on Rumen Fermentation and Lactation Performance in Buffaloes (<i>Bubalus bubalis</i>) during Summer: In Vitro and In Vivo Studies. <i>Fermentation</i> , 2023, 9, 232. | 1.4 | 0 |
| 3157 | Refining the Spectroscopic Detection Technique: A Pivot in the Electrochemical Ammonia Synthesis. <i>Langmuir</i> , 2023, 39, 3810-3820. | 1.6 | 6 |
| 3158 | Variety of rumen microbial populations involved in biohydrogenation related to individual milk fat percentage of dairy cows. <i>Frontiers in Veterinary Science</i> , 0, 10, . | 0.9 | 2 |
| 3159 | Synergistic antifungal interaction of N-(butylcarbamothioyl) benzamide and amphotericin B against <i>Cryptococcus neoformans</i> . <i>Frontiers in Microbiology</i> , 0, 14, . | 1.5 | 1 |
| 3160 | Effects of Sodium Nitrate and Coated Methionine on Lactation Performance, Rumen Fermentation Characteristics, Amino Acid Metabolism, and Microbial Communities in Lactating Buffaloes. <i>Microorganisms</i> , 2023, 11, 675. | 1.6 | 0 |
| 3162 | Antidiabetic, antihyperlipidemic and protective effects of <i>Gladiolus psittacinus</i> on hyperglycemia-mediated oxidative stress in streptozotocin-induced diabetic rats. <i>Journal of Complementary and Integrative Medicine</i> , 2023, . | 0.4 | 0 |
| 3163 | Supplementation of high-quality fresh forage to lambs fed a total mixed ration increased in vitro ruminal fermentation and digestibility. <i>Frontiers in Animal Science</i> , 0, 4, . | 0.8 | 1 |
| 3164 | Controlled-potential electrolysis for evaluating molecular electrocatalysts. <i>Chem Catalysis</i> , 2023, 3, 100561. | 2.9 | 0 |
| 3165 | Synthesis and biological evaluation of 2-nitrocinnamaldehyde derived thiosemicarbazones as urease inhibitors. <i>Journal of Molecular Structure</i> , 2023, 1284, 135387. | 1.8 | 4 |
| 3166 | The Effect of Supplementation with Betaine and Zinc on In Vitro Large Intestinal Fermentation in Iberian Pigs under Heat Stress. <i>Animals</i> , 2023, 13, 1102. | 1.0 | 0 |
| 3167 | Competition shifts the advantage of the invasive plant <i>Bidens alba</i> to a disadvantage under soil ammonia nitrogen. <i>Biological Invasions</i> , 2023, 25, 2277-2292. | 1.2 | 2 |
| 3168 | Storage time effects on whole-plant sorghum silage fermentation profile, aerobic stability and mycotoxin concentration. <i>New Zealand Journal of Agricultural Research</i> , 0, , 1-13. | 0.9 | 1 |
| 3169 | Impact of feeding essential oils on feed fermentation and rumen microbial profile in crossbred cattle calves. <i>Indian Journal of Animal Sciences</i> , 2017, 87, . | 0.1 | 0 |
| 3170 | Cadmium effect on growth, ammonium assimilation, and amino acids levels in roots of <i>Arabidopsis thaliana</i> . <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2023, 8, 161-165. | 0.6 | 0 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 3171 | <i>Bifidobacterium longum</i> subsp. <i>infantis</i> utilizes human milk urea to recycle nitrogen within the infant gut microbiome. <i>Gut Microbes</i> , 2023, 15, . | 4.3 | 3 |
| 3172 | Evaluating the effect of phenolic compounds as hydrogen acceptors when ruminal methanogenesis is inhibited in vitro – Part 2. Dairy goats. <i>Animal</i> , 2023, 17, 100789. | 1.3 | 1 |
| 3173 | Effect of sulphate and blend of plant parts containing secondary metabolites on in vitro methanogenesis, digestibility and feed fermentation with buffalo rumen liquor. <i>Indian Journal of Animal Sciences</i> , 2017, 87, . | 0.1 | 0 |
| 3174 | <i>N</i> -Arylacetamide derivatives of methyl 1,2-benzothiazine-3-carboxylate as potential drug candidates for urease inhibition. <i>Royal Society Open Science</i> , 2023, 10, . | 1.1 | 1 |
| 3175 | Assessment of physicochemical parameters, bioactive compounds, biological activities, and nutritional value of the most two commercialized pollen types of date palm (<i>Phoenix</i>) Tj ETQq0 0 0 rgBT /Overl0k 10 Tf 5D 577 Td (| | |
| 3176 | Isolation and identification of ligninolytic bacterium (<i>Bacillus cereus</i>) from buffalo (<i>Bubalus bubalis</i>) rumen and its effects on the fermentation quality, nutrient composition, and bacterial community of rape silage. <i>Frontiers in Microbiology</i> , 0, 14, . | 1.5 | 0 |
| 3177 | Impact of Rumen Fluid Storage on In Vitro Feed Fermentation Characteristics. <i>Fermentation</i> , 2023, 9, 392. | 1.4 | 4 |
| 3178 | Contrasting geochemical and fungal controls on decomposition of lignin and soil carbon at continental scale. <i>Nature Communications</i> , 2023, 14, . | 5.8 | 6 |
| 3179 | The ratios of dietary non-fibrous carbohydrate (NFC) to neutral detergent fiber (NDF) influence intestinal immunity of rabbits by regulating gut microbiota composition and metabolites. <i>Frontiers in Microbiology</i> , 0, 14, . | 1.5 | 1 |
| 3180 | Complex interplay of hydrogen bonding, halogen bonding and π -interactions in methyl 2-(7-chloro-1H-pyrazolo[3,4-b]quinolin-1-yl)acetate: Synthesis, X-ray crystallography, energetic features and anti-urease efficacy. <i>Journal of Molecular Structure</i> , 2023, 1287, 135625. | 1.8 | 3 |
| 3181 | Enhancement of alkaline protease production in recombinant <i>Bacillus licheniformis</i> by response surface methodology. <i>Bioresources and Bioprocessing</i> , 2023, 10, . | 2.0 | 5 |
| 3203 | Watercress (<i>Nasturtium officinale</i>) as a Novel Plant-based Alternative to Synthetic Soil Urease Inhibitor Sources. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , . | 1.7 | 0 |
| 3222 | The Kjeldahl Method. , 2023, , 53-78. | | 0 |
| 3326 | Inhibition of ureases: studies and applications. , 2024, , 209-254. | | 0 |