

Ureasases I. Functional, catalytic and kinetic properties: A

Journal of Molecular Catalysis B: Enzymatic

59, 9-21

DOI: [10.1016/j.molcatb.2009.01.003](https://doi.org/10.1016/j.molcatb.2009.01.003)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Ureases. II. Properties and their customizing by enzyme immobilizations: A review. Journal of Molecular Catalysis B: Enzymatic, 2009, 59, 22-40.	1.8	112
2	Potentiometric urea biosensor based on immobilization of urease onto molecularly imprinted TiO ₂ film. Journal of Electroanalytical Chemistry, 2009, 635, 1-6.	1.9	52
3	Immobilization of urease in poly(1-vinyl imidazole)/poly(acrylic acid) network. Chemical Papers, 2010, 64, 1-7.	1.0	16
4	Computer-Aided Optimization of Phosphinic Inhibitors of Bacterial Ureases. Journal of Medicinal Chemistry, 2010, 53, 5597-5606.	2.9	59
5	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. Journal of Membrane Science, 2010, 365, 59-67.	4.1	44
6	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
7	Synthesis, structures, and urease inhibitory activities of three copper(II) and zinc(II) complexes with 2-[[2-(2-hydroxyethylamino)ethylimino]methyl]-4-nitrophenol. European Journal of Medicinal Chemistry, 2010, 45, 3196-3199.	2.6	65
8	Urea degradation kinetics in model wine solutions by acid urease immobilised onto chitosan-derivative beads of different sizes. Enzyme and Microbial Technology, 2010, 46, 397-405.	1.6	19
9	Synthesis, crystal structures and urease inhibitory activity of copper(II) complexes with Schiff bases. Inorganic Chemistry Communication, 2010, 13, 996-998.	1.8	42
10	Base-Catalyzed Feedback in the Urea~Urease Reaction. Journal of Physical Chemistry B, 2010, 114, 14059-14063.	1.2	88
11	Urea Degradation in Some White Wines by Immobilized Acid Urease in a Stirred Bioreactor. Journal of Agricultural and Food Chemistry, 2010, 58, 6747-6753.	2.4	16
12	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
13	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
14	Phospholipid~Sepiolite Biomimetic Interfaces for the Immobilization of Enzymes. ACS Applied Materials & Interfaces, 2011, 3, 4339-4348.	4.0	51
15	Inhibition of urease by extracts derived from 15 Chinese medicinal herbs. Pharmaceutical Biology, 2011, 49, 752-755.	1.3	10
16	Synthesis, urease inhibitory activities, and molecular docking studies of two Cu(II) complexes. Journal of Coordination Chemistry, 2011, 64, 3960-3968.	0.8	4
17	Urease inhibitors as potential drugs for gastric and urinary tract infections: a patent review. Expert Opinion on Therapeutic Patents, 2011, 21, 945-957.	2.4	153
18	Characterization of JBURE-IIb isoform of Canavalia ensiformis (L.) DC urease. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1758-1768.	1.1	26

#	ARTICLE	IF	CITATIONS
19	Study on the Interaction of Pentachlorophenol with Urease in Aqueous Solution by Multiple Spectroscopic Techniques. <i>Journal of Solution Chemistry</i> , 2011, 40, 458-469.	0.6	14
20	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
21	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
22	Amperometric electrode for determination of urea using electrodeposited rhodium and immobilized urease. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 69, 168-175.	1.8	33
23	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
24	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
25	Unprecedented preparation of bis-Schiff bases and their manganese(III) complexes with urease inhibitory activity. <i>Inorganic Chemistry Communication</i> , 2011, 14, 1636-1639.	1.8	28
26	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
27	Remarkable Potential of the \pm -Aminophosphonate/Phosphinate Structural Motif in Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5955-5980.	2.9	529
28	A thermodynamic study on the binding of mercury and silver ions to urease. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 105, 1081-1086.	2.0	14
29	Synthesis, crystal structure, and urease inhibition studies of copper(II) and cobalt(III) complexes with bi(2-fluorobenzylaminoethyl)amine. <i>Transition Metal Chemistry</i> , 2011, 36, 319-324.	0.7	10
30	Byssus Thread: A Novel Support Material for Urease Immobilization. <i>Applied Biochemistry and Biotechnology</i> , 2011, 165, 1568-1576.	1.4	10
31	A Calorimetric Study on the Interaction of Zinc and Cadmium Ions with Jack Bean Urease. <i>Chinese Journal of Chemistry</i> , 2011, 29, 446-450.	2.6	2
32	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
33	Urease activity and ascorbic acid. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 309-318.	2.5	13
34	Effect of Curcumin Against <i>Proteus mirabilis</i> During Crystallization of Struvite from Artificial Urine. <i>Evidence-based Complementary and Alternative Medicine</i> , 2012, 2012, 1-7.	0.5	34
35	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
36	In Vitro Evaluation of Coatings to Control Ammonia Volatilization from Surface-Applied Urea. <i>Agronomy Journal</i> , 2012, 104, 1201-1207.	0.9	17

#	ARTICLE	IF	CITATIONS
37	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
38	pH Wave-Front Propagation in the Urea-Urease Reaction. <i>Biophysical Journal</i> , 2012, 103, 610-615.	0.2	43
39	Carbon isotope fractionation during calcium carbonate precipitation induced by urease-catalysed hydrolysis of urea. <i>Chemical Geology</i> , 2012, 330-331, 39-50.	1.4	13
40	Wide-Open Flaps Are Key to Urease Activity. <i>Journal of the American Chemical Society</i> , 2012, 134, 9934-9937.	6.6	44
41	Urease inhibitory activities of ZnBr ₂ and ZnI ₂ complexes of terpyridine derivatives: Systematic investigation of aryl substituents on urease inhibitory activities. <i>Polyhedron</i> , 2012, 45, 9-14.	1.0	13
42	Kinetics of competitive inhibition of jack bean urease by boric acid. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 82, 53-58.	1.8	6
43	Kinetics and mechanism of jack bean urease inhibition by Hg ²⁺ . <i>Chemistry Central Journal</i> , 2012, 6, 154.	2.6	30
44	Large scale screening of commonly used Iranian traditional medicinal plants against urease activity. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2012, 20, 72.	0.9	51
45	Darcy-scale modeling of microbially induced carbonate mineral precipitation in sand columns. <i>Water Resources Research</i> , 2012, 48, .	1.7	96
46	Synthesis, structures and urease inhibition studies of Schiff base metal complexes derived from 3,5-dibromosalicylaldehyde. <i>European Journal of Medicinal Chemistry</i> , 2012, 58, 323-331.	2.6	58
47	Carbon isotope fractionation during calcium carbonate precipitation induced by ureolytic bacteria. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 98, 107-124.	1.6	37
48	Antifungal properties of Canavalia ensiformis urease and derived peptides. <i>Peptides</i> , 2012, 38, 22-32.	1.2	44
49	Why Urease Is a Di-Nickel Enzyme whereas the CcrA [†] -Lactamase Is a Di-Zinc Enzyme. <i>Journal of Physical Chemistry B</i> , 2012, 116, 10649-10656.	1.2	27
50	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
51	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
52	Urea coated with oxidized charcoal reduces ammonia volatilization. <i>Revista Brasileira De Ciencia Do Solo</i> , 2012, 36, 1221-1230.	0.5	16
53	Soybean genetic transformation: a valuable tool for the functional study of genes and the production of agronomically improved plants. <i>Genetics and Molecular Biology</i> , 2012, 35, 998-1010.	0.6	54
54	Encapsulation of urease in double-layered hydrogels of macroporous poly(2-hydroxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Polymer International, 2012, 61, 235-239.	1.6	6

#	ARTICLE	IF	CITATIONS
55	Immobilization/stabilization of acid urease on Eupergit® supports. <i>Biotechnology Progress</i> , 2012, 28, 1232-1244.	1.3	16
56	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
57	Ubiquitous urease affects soybean susceptibility to fungi. <i>Plant Molecular Biology</i> , 2012, 79, 75-87.	2.0	24
58	Synthesis, characterization, and urease inhibitory activity of two copper(II) complexes of cyclohexanecarboxylate. <i>Transition Metal Chemistry</i> , 2012, 37, 361-366.	0.7	5
59	N-substituted aminomethanephosphonic and aminomethane-P-methylphosphinic acids as inhibitors of ureases. <i>Amino Acids</i> , 2012, 42, 1937-1945.	1.2	38
60	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
61	Assessing impacts of copper on soil enzyme activities in regard to their natural spatiotemporal variation under long-term different land uses. <i>Soil Biology and Biochemistry</i> , 2012, 49, 150-156.	4.2	63
62	Synthesis, structures and urease inhibition studies of copper(II) and nickel(II) complexes with bidentate N,O-donor Schiff base ligands. <i>Journal of Inorganic Biochemistry</i> , 2012, 108, 22-29.	1.5	76
63	Urease from <i>Helicobacter pylori</i> is inactivated by sulforaphane and other isothiocyanates. <i>Biochemical and Biophysical Research Communications</i> , 2013, 435, 1-7.	1.0	81
64	Kinetics of urease mediated calcite precipitation and permeability reduction of porous media evidenced by magnetic resonance imaging. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 881-890.	1.8	27
65	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
66	Antimicrobial and antiurease activities of newly synthesized morpholine derivatives containing anazole nucleus. <i>Medicinal Chemistry Research</i> , 2013, 22, 3629-3639.	1.1	45
67	Evidence-based docking of the urease activation complex. <i>Journal of Biomolecular Structure and Dynamics</i> , 2013, 31, 854-861.	2.0	15
68	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
69	Syntheses and Biological Activities of New Hybrid Molecules Containing Different Heterocyclic Moieties. <i>Archiv Der Pharmazie</i> , 2013, 346, 743-756.	2.1	23
70	The crystal structure of <i>Sporosarcina pasteurii</i> urease in a complex with citrate provides new hints for inhibitor design. <i>Journal of Biological Inorganic Chemistry</i> , 2013, 18, 391-399.	1.1	49
71	Synthesis, molecular docking and kinetic properties of α -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
72	Syntheses, urease inhibition activities, and fluorescent properties of transition metal complexes. <i>Journal of Coordination Chemistry</i> , 2013, 66, 1616-1625.	0.8	13

#	ARTICLE	IF	CITATIONS
73	Influence of Soil Humic and Fulvic Acid on the Activity and Stability of Lysozyme and Urease. <i>Environmental Science & Technology</i> , 2013, 47, 5050-5056.	4.6	63
74	Diclofenac removal in urine using strong-base anion exchange polymer resins. <i>Water Research</i> , 2013, 47, 6432-6444.	5.3	100
75	Synthesis, structure and urease inhibition studies of Schiff base copper(II) complexes with planar four-coordinate copper(II) centers. <i>Journal of Inorganic Biochemistry</i> , 2013, 127, 82-89.	1.5	26
76	Opinion “ Nickel and urease in plants: Still many knowledge gaps. <i>Plant Science</i> , 2013, 199-200, 79-90.	1.7	122
77	Synthesis, structure and urease inhibition studies of dimeric copper(II) complexes with a tridentate Schiff base ligand derived from tetrahydrofurfurylamine. <i>Inorganica Chimica Acta</i> , 2013, 408, 46-52.	1.2	9
78	Enzymatic activity and catalytic hydrogen evolution in reduced and oxidized urease at mercury surfaces. <i>Analytica Chimica Acta</i> , 2013, 789, 41-46.	2.6	14
79	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
80	Synthesis, structures and urease inhibition studies of dimeric copper(II) complexes of Schiff bases derived from glycine. <i>Inorganica Chimica Acta</i> , 2013, 404, 224-229.	1.2	18
81	Phosphate removal from urine using hybrid anion exchange resin. <i>Desalination</i> , 2013, 322, 104-112.	4.0	71
82	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
83	3-to-1: unraveling structural transitions in ureases. <i>Die Naturwissenschaften</i> , 2013, 100, 459-467.	0.6	32
84	NiO nanoparticle-based urea biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 41, 110-115.	5.3	149
85	Rates of urea with or without urease inhibitor for topdressing wheat. <i>Chilean Journal of Agricultural Research</i> , 2013, 73, 22-23.	0.4	3
86	Biosynthesis of the Urease Metallocenter. <i>Journal of Biological Chemistry</i> , 2013, 288, 13178-13185.	1.6	108
87	Inhibitors of bacterial and plants urease. A review. <i>Acta Universitatis Lodziensis Folia Biologica Et Oecologica</i> , 0, 9, 9-16.	1.0	13
88	Ion Exchange Applications to Source Separated Urine: Pharmaceutical Separation and Phosphorus Recovery. <i>Proceedings of the Water Environment Federation</i> , 2013, 2013, 99-112.	0.0	0
89	Kinetics and Mechanism Study of Competitive Inhibition of Jack-Bean Urease by Baicalin. <i>Scientific World Journal</i> , The, 2013, 2013, 1-9.	0.8	20
90	A Determination and Comparison of Urease Activity in Feces and Fresh Manure from Pig and Cattle in Relation to Ammonia Production and pH Changes. <i>PLoS ONE</i> , 2014, 9, e110402.	1.1	40

#	ARTICLE	IF	CITATIONS
91	A New Urease Inhibitor from <i>Viola betonicifolia</i> . <i>Molecules</i> , 2014, 19, 16770-16778.	1.7	18
92	Urease inhibitor (NBPT) and efficiency of single or split application of urea in wheat crop. <i>Revista Ceres</i> , 2014, 61, 276-279.	0.1	15
93	Optical biosensors based on universal pH indicator as a reporter for quantification of clinically relevant compounds. <i>Journal of the Chinese Advanced Materials Society</i> , 2014, 2, 99-109.	0.7	2
94	Synthesis, molecular properties and DFT studies of new phosphoramidates as potential urease inhibitors. <i>Medicinal Chemistry Research</i> , 2014, 23, 5174-5187.	1.1	13
95	Synthesis, structure, and urease inhibitory activities of three binuclear copper(II) complexes with protocatechuic acid derivative. <i>Journal of Coordination Chemistry</i> , 2014, 67, 1265-1278.	0.8	6
96	A Large Response Range Reflectometric Urea Biosensor Made from Silica-Gel Nanoparticles. <i>Sensors</i> , 2014, 14, 13186-13209.	2.1	40
97	Microbial induced synthesis of hollow cylinder and helical NiO micro/nanostructure. <i>MRS Communications</i> , 2014, 4, 121-127.	0.8	6
98	Ureolytic Activity of Soybean and Corn Residue Extracts. <i>Communications in Soil Science and Plant Analysis</i> , 2014, 45, 2959-2969.	0.6	2
99	Ion exchange softening of human urine to control precipitation. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 564-571.	1.3	11
100	Dissolved Inorganic Carbon Inventory and CO ₂ Sequestration in Ureolytic Biocalcification Process with <i>Bacillus Pasteurii</i> . <i>Geomicrobiology Journal</i> , 2014, 31, 145-151.	1.0	4
101	Consecutive Biochar Application Alters Soil Enzyme Activities in the Winter Wheat "Growing Season". <i>Soil Science</i> , 2014, 179, 75-83.	0.9	41
102	Nickel binding properties of <i>Helicobacter pylori</i> UreF, an accessory protein in the nickel-based activation of urease. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 319-334.	1.1	40
103	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
104	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
105	Immobilization of urease on magnetic nanoparticles coated by polysiloxane layers bearing thiol- or thiol- and alkyl-functions. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2694-2702.	2.9	29
106	Nickel-dependent metalloenzymes. <i>Archives of Biochemistry and Biophysics</i> , 2014, 544, 142-152.	1.4	269
107	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.	2.1	47
108	Path Analysis for Soil Urease Activities and Nutrient Contents in a Mountain Valley Wetland, China. <i>Clean - Soil, Air, Water</i> , 2014, 42, 324-330.	0.7	11

#	ARTICLE	IF	CITATIONS
109	Effect of Lead on Soil Enzyme Activities in Two Red Soils. <i>Pedosphere</i> , 2014, 24, 817-826.	2.1	12
110	Synthesis, crystal structures, molecular docking and urease inhibitory activity of nickel(II) complexes with 3-pyridinyl-4-amino-5-mercapto-1,2,4-triazole. <i>Inorganica Chimica Acta</i> , 2014, 423, 469-476.	1.2	13
111	A bistable switch in pH in urease-loaded alginate beads. <i>Chemical Communications</i> , 2014, 50, 11107-11109.	2.2	40
112	Antiurease activity of plants growing in the Czech Republic. <i>Natural Product Research</i> , 2014, 28, 868-873.	1.0	11
113	Fluoride inhibition of <i>Sporosarcina pasteurii</i> urease: structure and thermodynamics. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 1243-1261.	1.1	58
114	Development of Coconut Shell Activated Carbon-Tethered Urease for Degradation of Urea in a Packed Bed. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 433-439.	3.2	19
115	Complexes of N -hydroxyethyl- N -benzimidazolymethylethylenediaminediacetic acid with copper(II) and cobalt(II): Preparation, crystal structure and urease inhibitory activity. <i>Inorganica Chimica Acta</i> , 2014, 421, 423-426.	1.2	17
116	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
117	Extraction, purification, kinetic and thermodynamic properties of urease from germinating <i>Pisum Sativum</i> L. seeds. <i>BMC Biochemistry</i> , 2014, 15, 15.	4.4	34
118	Enzyme immobilization by adsorption: a review. <i>Adsorption</i> , 2014, 20, 801-821.	1.4	676
119	<i>Canavalia ensiformis</i> urease, Jaburetox and derived peptides form ion channels in planar lipid bilayers. <i>Archives of Biochemistry and Biophysics</i> , 2014, 547, 6-17.	1.4	34
120	Molecular landscape of the interaction between the urease accessory proteins UreE and UreG. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1662-1674.	1.1	44
121	Biokinetic modeling of ureolysis in <i>Sporosarcina pasteurii</i> and its integration into a numerical chemodynamic biocalcification model. <i>Chemical Geology</i> , 2014, 383, 13-25.	1.4	9
122	Nonredox Nickel Enzymes. <i>Chemical Reviews</i> , 2014, 114, 4206-4228.	23.0	235
123	The diverse pharmacology and medicinal chemistry of phosphoramidates – a review. <i>RSC Advances</i> , 2014, 4, 18998-19012.	1.7	48
124	Application of enzyme/zeolite sensor for urea analysis in serum. <i>Materials Science and Engineering C</i> , 2014, 42, 155-160.	3.8	27
125	Immobilization of <i>Amano Lipase A</i> onto StÄrber silica surface: process characterization and kinetic studies. <i>Open Chemistry</i> , 2015, 13, .	1.0	30
126	<i>Cryptococcus Agattii</i> urease as a virulence factor and the relevance of enzymatic activity in cryptococcosis pathogenesis. <i>FEBS Journal</i> , 2015, 282, 1406-1418.	2.2	47

#	ARTICLE	IF	CITATIONS
127	A revised model for microbially induced calcite precipitation: Improvements and new insights based on recent experiments. <i>Water Resources Research</i> , 2015, 51, 3695-3715.	1.7	75
128	Biocatalytic Feedback-Driven Temporal Programming of Self-Regulating Peptide Hydrogels. <i>Angewandte Chemie</i> , 2015, 127, 13456-13460.	1.6	73
129	Biocatalytic Feedback-Driven Temporal Programming of Self-Regulating Peptide Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13258-13262.	7.2	218
130	Enzyme Inhibitory Radicinol Derivative from Endophytic fungus <i>Bipolaris sorokiniana</i> LK12, Associated with <i>Rhazya stricta</i> . <i>Molecules</i> , 2015, 20, 12198-12208.	1.7	20
131	Biomimetic mineralization of metal-organic frameworks as protective coatings for biomacromolecules. <i>Nature Communications</i> , 2015, 6, 7240.	5.8	1,077
132	Reducing microbial ureolytic activity in the rumen by immunization against urease therein. <i>BMC Veterinary Research</i> , 2015, 11, 94.	0.7	17
133	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
134	Cuban zeolite as ammonium carrier in urea-based fertilizer pellets: Photoacoustic-based sensor for monitoring N-ammonia losses by volatilization in aqueous solutions. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 35-40.	4.0	10
135	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
136	Innovative approach for urease inhibition by <i>Ficus carica</i> extract-fabricated silver nanoparticles: An <i>in vitro</i> study. <i>Biotechnology and Applied Biochemistry</i> , 2015, 62, 780-784.	1.4	19
137	Synthesis, characterization and urease inhibition, <i>in vitro</i> 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
138	Synthesis, biological evaluation and molecular docking of N-phenyl thiosemicarbazones as urease inhibitors. <i>Bioorganic Chemistry</i> , 2015, 61, 51-57.	2.0	65
139	Synthesis, Crystal Structures, Molecular Docking, and Urease Inhibitory Activities of Transition-Metal Complexes with a 1,2,4-Triazolecarboxylic Acid Derived Ligand. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2076-2084.	1.0	19
140	A Validated Assay of Urease Enzyme in Different Sources Using Silver Nanoparticles. <i>Food Analytical Methods</i> , 2015, 8, 2482-2486.	1.3	10
141	Design, syntheses and evaluation of benzoylthioureas as urease inhibitors of agricultural interest. <i>RSC Advances</i> , 2015, 5, 44507-44515.	1.7	44
142	Pliable natural biocide: Jaburetox is an intrinsically disordered insecticidal and fungicidal polypeptide derived from jack bean urease. <i>FEBS Journal</i> , 2015, 282, 1043-1064.	2.2	30
143	Efficient sodium bisulfite-catalyzed synthesis of benzothiazoles and their potential as ureases inhibitors. <i>RSC Advances</i> , 2015, 5, 28814-28821.	1.7	23
144	Microbial ureolysis in the seawater-catalysed urine phosphorus recovery system: Kinetic study and reactor verification. <i>Water Research</i> , 2015, 87, 10-19.	5.3	11

#	ARTICLE	IF	CITATIONS
145	Synthesis of potent urease inhibitors based on disulfide scaffold and their molecular docking studies. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7211-7218.	1.4	23
146	Whole cell kinetics of ureolysis by <i>porosarcina pasteurii</i> . <i>Journal of Applied Microbiology</i> , 2015, 118, 1321-1332.	1.4	96
147	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
148	Synthesis, solid state structures and urease inhibitory activities of two silver(I) complexes with 1,4-benzodioxane-6-carboxylate. <i>Transition Metal Chemistry</i> , 2015, 40, 743-748.	0.7	6
149	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
150	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
151	Synthesis and dynamics studies of barbituric acid derivatives as urease inhibitors. <i>Chemistry Central Journal</i> , 2015, 9, 63.	2.6	23
152	Bis(aminomethyl)phosphinic Acid, a Highly Promising Scaffold for the Development of Bacterial Urease Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 146-150.	1.3	31
153	Selective fabrication of iron oxide particles in halloysite lumen. <i>Materials Chemistry and Physics</i> , 2015, 151, 14-17.	2.0	35
154	The heat released during catalytic turnover enhances the diffusion of an enzyme. <i>Nature</i> , 2015, 517, 227-230.	13.7	191
155	Flexible film-type catalysts encapsulating urease within κ -carrageenan hydrogel network. <i>Chemical Engineering Journal</i> , 2015, 278, 122-128.	6.6	7
156	An overview on the potential of natural products as ureases inhibitors: A review. <i>Journal of Advanced Research</i> , 2015, 6, 35-44.	4.4	170
157	Ion-exchange selectivity of diclofenac, ibuprofen, ketoprofen, and naproxen in ureolyzed human urine. <i>Water Research</i> , 2015, 68, 510-521.	5.3	64
158	Application of potentiometric biosensor based on recombinant urease for urea determination in blood serum and hemodialyzate. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 981-986.	4.0	39
159	IMPACT OF SALINE CONDITIONS AND NITROGEN FERTILIZATION ON CITRUS PRODUCTION AND GAS EXCHANGES. <i>Revista Caatinga</i> , 2016, 29, 415-424.	0.3	21
160	3D-QSAR Studies on Barbituric Acid Derivatives as Urease Inhibitors and the Effect of Charges on the Quality of a Model. <i>International Journal of Molecular Sciences</i> , 2016, 17, 657.	1.8	12
161	Inhibition of Urease by Disulfiram, an FDA-Approved Thiol Reagent Used in Humans. <i>Molecules</i> , 2016, 21, 1628.	1.7	31
162	Antimicrobial Activity and Urease Inhibition of Schiff Bases Derived from Isoniazid and Fluorinated Benzaldehydes and of Their Copper(II) Complexes. <i>Molecules</i> , 2016, 21, 1742.	1.7	27

#	ARTICLE	IF	CITATIONS
163	Assessing the Potential Content of Ethyl Carbamate in White, Red, and Ros� Wines as a Key Factor for Pursuing Urea Degradation by Purified Acid Urease. <i>Journal of Food Science</i> , 2016, 81, C1603-12.	1.5	19
164	Plant-Derived Urease Inhibitors as Alternative Chemotherapeutic Agents. <i>Archiv Der Pharmazie</i> , 2016, 349, 507-522.	2.1	53
165	Preparation of crosslinked enzyme aggregates (CLEAs) of acid urease with urethanase activity and their application. <i>Journal of Basic Microbiology</i> , 2016, 56, 422-431.	1.8	16
166	Synthesis, crystal structures, molecular docking, and in vitro biological activities evaluation of transition metal complexes with 4-(3,4-dichlorophenyl) piperazine-1-carboxylic acid. <i>Journal of Molecular Structure</i> , 2016, 1117, 293-299.	1.8	15
167	The synthesis and characterization of new nickel complexes with unusual coordination modes. <i>Inorganica Chimica Acta</i> , 2016, 448, 16-25.	1.2	2
168	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
169	Urea removal from aqueous solutions—a review. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 1011-1029.	1.5	185
170	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
171	1,2-Benziselenazol-3(2H)-one Derivatives As a New Class of Bacterial Urease Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 8125-8133.	2.9	82
172	pH Control in a Urease-catalyzed Reaction Using Weak-base Beads as Polymer-supported Buffer Agents. <i>Chemistry Letters</i> , 2016, 45, 1027-1029.	0.7	0
173	Synthesis, structure, and urease inhibitory activities of Co(III), Mn(II) and Zn(II) complexes with hydrazone derived from protocatechuic acid. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2656-2665.	0.8	5
174	Synthesis, crystal structures, DFT studies, molecular docking and urease inhibition studies of three Ni(II) complexes with a sexidentate N2O4-donor bis-Schiff base ligand. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 18-24.	1.5	9
175	Metallohydrolase biomimetics with catalytic and structural flexibility. <i>Dalton Transactions</i> , 2016, 45, 18510-18521.	1.6	16
176	Urea Hydrolysis Rate in Soil Toposequences as Influenced by pH, Carbon, Nitrogen, and Soluble Metals. <i>Journal of Environmental Quality</i> , 2016, 45, 349-359.	1.0	27
177	A Proof of Concept Study to Detect Urease Producing Bacteria in Lungs Using Aerosolized ¹³ C-Urea. <i>Pediatric, Allergy, Immunology, and Pulmonology</i> , 2016, 29, 68-73.	0.3	8
178	Coumarin-based thiosemicarbazones as potent urease inhibitors: synthesis, solid state self-assembly and molecular docking. <i>RSC Advances</i> , 2016, 6, 63886-63894.	1.7	30
179	Ureasases as multifunctional toxic proteins: A review. <i>Toxicon</i> , 2016, 110, 90-109.	0.8	109
180	Effect of source-separated urine storage on estrogenic activity detected using bioluminescent yeast <i>Saccharomyces cerevisiae</i> . <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2172-2182.	1.2	2

#	ARTICLE	IF	CITATIONS
181	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
182	Thermodynamic study of competitive inhibitors's binding to urease. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 2427-2439.	2.0	16
183	Ureolytic activities of a urease-producing bacterium and purified urease enzyme in the anoxic condition: Implication for subseafloor sand production control by microbially induced carbonate precipitation (MICP). <i>Ecological Engineering</i> , 2016, 90, 96-104.	1.6	91
184	Inactivation of urease by 1,4-benzoquinone: chemistry at the protein surface. <i>Dalton Transactions</i> , 2016, 45, 5455-5459.	1.6	61
185	Kinetic and structural studies reveal a unique binding mode of sulfite to the nickel center in urease. <i>Journal of Inorganic Biochemistry</i> , 2016, 154, 42-49.	1.5	42
186	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
187	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
188	Use of diluted urine for cultivation of <i>Chlorella vulgaris</i> . <i>Environmental Technology (United Kingdom)</i> 11(12) 1411-1418	1.2	22
189	Synthesis of urease hybrid nanoflowers and their enhanced catalytic properties. <i>Enzyme and Microbial Technology</i> , 2016, 86, 134-142.	1.6	106
190	Enzyme inhibitory metabolites from endophytic <i>Penicillium citrinum</i> isolated from <i>Boswellia sacra</i> . <i>Archives of Microbiology</i> , 2017, 199, 691-700.	1.0	21
191	Urea stabilisation and concentration for urine-diverting dry toilets: Urine dehydration in ash. <i>Science of the Total Environment</i> , 2017, 586, 650-657.	3.9	63
192	Synthesis, characterization, and antimicrobial activity of two Schiff base silver(I) complexes derived from 4-carboxybenzaldehyde. <i>Journal of Coordination Chemistry</i> , 2017, 70, 1066-1076.	0.8	8
193	Potent covalent inhibitors of bacterial urease identified by activity-reactivity profiling. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 1346-1350.	1.0	17
194	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
195	Seasonal dynamics of soil microbial activity after biochar addition in a dryland maize field in North-Western China. <i>Ecological Engineering</i> , 2017, 104, 141-149.	1.6	28
196	Nickel-metal organic framework/MWCNT composite electrode for non-enzymatic urea detection. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 78-83.	4.0	129
197	Potential of a Microbiologically Induced Calcite Precipitation Process for Durability Enhancement of Masonry Aggregate Concrete. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, .	1.3	24
198	Nickel and ocean warming affect scleractinian coral growth. <i>Marine Pollution Bulletin</i> , 2017, 120, 250-258.	2.3	27

#	ARTICLE	IF	CITATIONS
199	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
200	Novel organophosphorus scaffolds of urease inhibitors obtained by substitution of Morita-Baylis-Hillman adducts with phosphorus nucleophiles. <i>European Journal of Medicinal Chemistry</i> , 2017, 133, 107-120.	2.6	16
201	An expedient synthesis of <i>N</i> -(5-mercapto-4-(substituted) thiophen-2-yl)urea (benzylidene) free radical scavengers: Kinetic mechanism and molecular docking studies. <i>Chemical Biology and Drug Design</i> , 2017, 90, 764-777.	1.5	20
202	Moonlighting Toxins: Ureases and Beyond. <i>Toxinology</i> , 2017, , 199-219.	0.2	2
203	Soybean ubiquitous urease with purification facilitator: An addition to the moonlighting studies toolbox. <i>Process Biochemistry</i> , 2017, 53, 245-258.	1.8	9
204	Syntheses, crystal structures, and Jack bean urease inhibitory activities of copper(II) complexes derived from 4-tert-butyl-N ² -(1-(pyridin-2-yl)ethylidene)benzohydrazide. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3449-3458.	0.8	5
205	Removal of Soluble Strontium via Incorporation into Biogenic Carbonate Minerals by Halophilic Bacterium <i>Bacillus</i> sp. Strain TK2d in a Highly Saline Solution. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	20
206	Urease Inhibition in the Presence of <i>N</i> -(<i>n</i> -Butyl)thiophosphoric Triamide, a Suicide Substrate: Structure and Kinetics. <i>Biochemistry</i> , 2017, 56, 5391-5404.	1.2	53
207	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
208	The urea biosensor based on luminescence of Eu(III) ternary complex of DO3A ligand. <i>Monatshefte für Chemie</i> , 2017, 148, 1945-1952.	0.9	2
209	Introduction of Faba bean in crop rotation: Impacts on soil chemical and biological characteristics. <i>Applied Soil Ecology</i> , 2017, 120, 219-228.	2.1	57
210	Three Co(II) complexes with a sexidentate N ₂ O ₄ -donor bis-Schiff base ligand: Synthesis, crystal structures, DFT studies, urease inhibition and molecular docking studies. <i>Journal of Molecular Structure</i> , 2017, 1148, 496-504.	1.8	8
211	Self-Regulated and Temporal Control of a "Breathing" Microgel Mediated by Enzymatic Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12581-12585.	7.2	66
212	Self-Regulated and Temporal Control of a "Breathing" Microgel Mediated by Enzymatic Reaction. <i>Angewandte Chemie</i> , 2017, 129, 12755-12759.	1.6	22
213	Mimicking and Inhibiting Urea Hydrolysis in Nonwater Urinals. <i>Environmental Science & Technology</i> , 2017, 51, 13850-13858.	4.6	31
214	Ureolytic Activity and Its Regulation in <i>Vibrio campbellii</i> and <i>Vibrio harveyi</i> in Relation to Nitrogen Recovery from Human Urine. <i>Environmental Science & Technology</i> , 2017, 51, 13335-13343.	4.6	8
215	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
216	Jaburetox: update on a urease-derived peptide. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2017, 23, 32.	0.8	8

#	ARTICLE	IF	CITATIONS
217	Isotope selective activation: a new insight into the catalytic activity of urease. RSC Advances, 2017, 7, 31372-31376.	1.7	9
218	Enzyme-polyelectrolyte multilayer assemblies on reduced graphene oxide field-effect transistors for biosensing applications. Biosensors and Bioelectronics, 2017, 92, 661-667.	5.3	119
219	Microbially Induced Carbonate Precipitation for Seepage-Induced Internal Erosion Control in Sand-Clay Mixtures. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	1.5	159
220	Synthesis, crystal structures and Jack bean urease inhibitory activity of copper(II) complexes with 4-bromo-(2-hydroxy-5-methoxybenzylidene)benzohydrazide. Journal of Coordination Chemistry, 2017, 70, 544-555.	0.8	14
221	Disequilibrium $\delta^{18}O$ values in microbial carbonates as a tracer of metabolic production of dissolved inorganic carbon. Geochimica Et Cosmochimica Acta, 2017, 199, 112-129.	1.6	14
222	Soil urease activity and bacterial ureC gene copy numbers: Effect of pH. Geoderma, 2017, 285, 1-8.	2.3	95
224	Sulfonamide-Linked Ciprofloxacin, Sulfadiazine and Amantadine Derivatives as a Novel Class of Inhibitors of Jack Bean Urease; Synthesis, Kinetic Mechanism and Molecular Docking. Molecules, 2017, 22, 1352.	1.7	42
225	Biom mineralization Mediated by Ureolytic Bacteria Applied to Water Treatment: A Review. Crystals, 2017, 7, 345.	1.0	40
226	Enzyme Dynamic in Plant Nutrition Uptake and Plant Nutrition. , 0, , .		3
227	Effect of soybean ureases on seed germination and plant development. Genetics and Molecular Biology, 2017, 40, 209-216.	0.6	14
228	Switches induced by quorum sensing in a model of enzyme-loaded microparticles. Journal of the Royal Society Interface, 2018, 15, 20170945.	1.5	14
229	Laboratory Evaluation on Ammonia Volatilization from Coated Urea Fertilizers. Communications in Soil Science and Plant Analysis, 2018, 49, 717-724.	0.6	11
230	Recent advances in design of new urease inhibitors: A review. Journal of Advanced Research, 2018, 13, 101-112.	4.4	157
231	Liquefaction resistance of bio-cemented calcareous sand. Soil Dynamics and Earthquake Engineering, 2018, 107, 9-19.	1.9	263
232	Enzyme leaps fuel antichemotaxis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 14-18.	3.3	110
233	Large-Scale Experiments in Microbially Induced Calcite Precipitation (MICP): Reactive Transport Model Development and Prediction. Water Resources Research, 2018, 54, 480-500.	1.7	65
234	Kinetics of the urease clock reaction with urease immobilized in hydrogel beads. Reaction Kinetics, Mechanisms and Catalysis, 2018, 123, 177-185.	0.8	26
235	The molecular processes of urea hydrolysis in relation to ammonia emissions from agriculture. Reviews in Environmental Science and Biotechnology, 2018, 17, 241-258.	3.9	196

#	ARTICLE	IF	CITATIONS
236	A review on the development of urease inhibitors as antimicrobial agents against pathogenic bacteria. <i>Journal of Advanced Research</i> , 2018, 13, 69-100.	4.4	79
237	In Silico study of the active site of <i>Helicobacter pylori</i> urease and its inhibition by hydroxamic acids. <i>Journal of Molecular Graphics and Modelling</i> , 2018, 83, 64-73.	1.3	20
238	Cross-reactivity of Polyclonal Antibodies against <i>Canavalia ensiformis</i> (Jack Bean) Urease and <i>Helicobacter pylori</i> Urease Subunit A Fragments. <i>Chemistry and Biodiversity</i> , 2018, 15, e1700444.	1.0	4
239	REVIEW: metal complexes as urease inhibitors. <i>Journal of Coordination Chemistry</i> , 2018, 71, 907-940.	0.8	27
240	Schiff bases and their metal complexes as urease inhibitors – A brief review. <i>Journal of Advanced Research</i> , 2018, 13, 113-126.	4.4	115
241	Phoresis and Enhanced Diffusion Compete in Enzyme Chemotaxis. <i>Nano Letters</i> , 2018, 18, 2711-2717.	4.5	72
242	Ureasases in the gastrointestinal tracts of ruminant and monogastric animals and their implication in urea-N/ammonia metabolism: A review. <i>Journal of Advanced Research</i> , 2018, 13, 39-50.	4.4	92
243	Trace elements in struvite equine enteroliths: Concentration, speciation and influence of diet. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 45, 23-30.	1.5	8
244	Enzymatic gelation to prepare chitosan gels: Study of gelation kinetics and identification of limiting parameters for controlled gel morphology. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1175-1183.	3.6	10
245	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
246	Bisindolylmethane thiosemicarbazides as potential inhibitors of urease: Synthesis and molecular modeling studies. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 152-160.	1.4	59
247	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
248	Advances in bioresponsive closed-loop drug delivery systems. <i>International Journal of Pharmaceutics</i> , 2018, 544, 350-357.	2.6	59
249	Synthesis and characterization of isocyanate-free polyureas. <i>Green Chemistry</i> , 2018, 20, 243-249.	4.6	40
250	Theoretical investigation on the molecular inclusion process of urease inhibitors into p-sulfonic acid calix[4,6]arenes. <i>Chemical Physics Letters</i> , 2018, 692, 117-123.	1.2	4
251	Characterization of urea hydrolysis in fresh human urine and inhibition by chemical addition. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 87-98.	1.2	68
252	Ureolytic microbial community is modulated by fertilization regimes and particle-size fractions in a Black soil of Northeastern China. <i>Soil Biology and Biochemistry</i> , 2018, 116, 171-178.	4.2	48
253	Urease-aided calcium carbonate mineralization for engineering applications: A review. <i>Journal of Advanced Research</i> , 2018, 13, 59-67.	4.4	182

#	ARTICLE	IF	CITATIONS
254	An Evaluation of Maleicâ€taconic Copolymers as Urease Inhibitors. Soil Science Society of America Journal, 2018, 82, 994-1003.	1.2	9
255	Benzylidene indane-1,3-diones: As novel urease inhibitors; synthesis, in vitro, and in silico studies. Bioorganic Chemistry, 2018, 81, 658-671.	2.0	14
256	Rapid and Low-Cost Method for Evaluation of Nutrient Release from Controlled-Release Fertilizers Using Electrical Conductivity. Journal of Polymers and the Environment, 2018, 26, 4388-4395.	2.4	12
257	Structural exploration of cinnamate-based phosphonic acids as inhibitors of bacterial ureases. European Journal of Medicinal Chemistry, 2018, 159, 307-316.	2.6	14
258	Recent Advances in the Electro-Oxidation of Urea for Direct Urea Fuel Cell and Urea Electrolysis. Topics in Current Chemistry, 2018, 376, 42.	3.0	140
259	Catalytic enzymes are active matter. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E10812-E10821.	3.3	98
260	Syntheses, crystal structures, DFT, molecular docking and inhibition studies of jack bean urease by nickel (II) and copper (II) Schiff base complexes. Inorganic and Nano-Metal Chemistry, 2018, 48, 211-224.	0.9	4
261	Catalytic Cleavage of the Amide Bond in Urea Using a Cobalt(III) Amino-Based Complex. European Journal of Inorganic Chemistry, 2018, 2018, 5058-5067.	1.0	10
262	Negative Impacts of Biochars on Urease Activity: High pH, Heavy Metals, Polycyclic Aromatic Hydrocarbons, or Free Radicals?. Environmental Science & Technology, 2018, 52, 12740-12747.	4.6	104
263	Synthesis and Studies of Fluorescein Based Derivatives for their Optical Properties, Urease Inhibition and Molecular Docking. Journal of Fluorescence, 2018, 28, 1305-1315.	1.3	6
264	The mitigation effects of exogenous melatonin on replant disease in apple. Journal of Pineal Research, 2018, 65, e12523.	3.4	56
265	Recognition of AMP, ADP and ATP through Cooperative Binding by Cu(II) and Zn(II) Complexes Containing Urea and/or Phenylboronicâ€”Acid Moieties. Molecules, 2018, 23, 479.	1.7	16
266	Developing hybrid molecule therapeutics for diverse enzyme inhibitory action: Active role of coumarin-based structural leads in drug discovery. Bioorganic and Medicinal Chemistry, 2018, 26, 3731-3762.	1.4	63
267	Synthesis, evaluation, and molecular docking studies of aryl ureaâ€”triazoleâ€”based derivatives as antiâ€”urease agents. Archiv Der Pharmazie, 2018, 351, e1800005.	2.1	22
268	Enhancement of coral calcification via the interplay of nickel and urease. Aquatic Toxicology, 2018, 200, 247-256.	1.9	28
269	Alkaline dehydration of anionâ€”exchanged human urine: Volume reduction, nutrient recovery and process optimisation. Water Research, 2018, 142, 325-336.	5.3	48
270	CeO₂ nanorods with intrinsic urease-like activity. Nanoscale, 2018, 10, 13074-13082.	2.8	59
271	Targeting Helicobacter pylori urease activity and maturation: In-cell high-throughput approach for drug discovery. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2245-2253.	1.1	28

#	ARTICLE	IF	CITATIONS
272	Multi-Analytical Interactions in Support of Sugarcane Agroecosystems Sustainability in Tropical Soils. , 2018, , .		2
273	Soil bacteria that precipitate calcium carbonate: mechanism and applications of the process. Acta Agronomica, 2018, 67, .	0.0	30
274	Potential Technical Approaches for Improving Low-Temperature NO _x Conversion of Exhaust Aftertreatment Systems. Chemie-Ingenieur-Technik, 2018, 90, 762-773.	0.4	14
275	Enzyme Multilayers on Graphene-Based FETs for Biosensing Applications. Methods in Enzymology, 2018, 609, 23-46.	0.4	11
276	Developing potential Helicobacter pylori urease inhibitors from novel oxoindoline derivatives: Synthesis, biological evaluation and in silico study. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3182-3186.	1.0	16
277	Label free urea biosensor based on organic electrochemical transistors. Flexible and Printed Electronics, 2018, 3, 024001.	1.5	43
278	Synthesis, in vitro urease inhibitory activity, and molecular docking studies of thiourea and urea derivatives. Bioorganic Chemistry, 2018, 80, 129-144.	2.0	27
279	Smart urea ionic co-crystals with enhanced urease inhibition activity for improved nitrogen cycle management. Chemical Communications, 2018, 54, 7637-7640.	2.2	41
280	Ureases: Historical aspects, catalytic, and non-catalytic properties – A review. Journal of Advanced Research, 2018, 13, 3-17.	4.4	149
281	The contrasting effects of N-(n-butyl) thiophosphoric triamide (NBPT) on N ₂ O emissions in arable soils differing in pH are underlain by complex microbial mechanisms. Science of the Total Environment, 2018, 642, 155-167.	3.9	40
282	Inhibition Assays of Urease for Detecting Trivalent Chromium in Drinking Water. Springer Transactions in Civil and Environmental Engineering, 2019, , 313-323.	0.3	2
283	Characteristics of refold acid urease immobilized covalently by graphene oxide-chitosan composite beads. Journal of Bioscience and Bioengineering, 2019, 127, 16-22.	1.1	14
284	The metabolic profile of essential oils and assessment of anti-urease activity by ESI-mass spectrometry of Salvia officinalis L.. South African Journal of Botany, 2019, 120, 175-178.	1.2	8
285	The Maturation Pathway of Nickel Urease. Inorganics, 2019, 7, 85.	1.2	27
286	Expansion of the urea electrocatalytic oxidation window by adsorbed nickel ions. Journal of Applied Electrochemistry, 2019, 49, 883-893.	1.5	12
287	Modelling Bacteria-Inspired Dynamics with Networks of Interacting Chemicals. Life, 2019, 9, 63.	1.1	7
288	Bis-coumarins; non-cytotoxic selective urease inhibitors and antiglycation agents. Bioorganic Chemistry, 2019, 91, 103170.	2.0	24
289	Enzyme-Functionalized Piezoresistive Hydrogel Biosensors for the Detection of Urea. Sensors, 2019, 19, 2858.	2.1	40

#	ARTICLE	IF	CITATIONS
290	Modulation of C:N:P stoichiometry is involved in the effectiveness of a PGPR and AM fungus in increasing salt stress tolerance of <i>Sulla carnosa</i> Tunisian provenances. <i>Applied Soil Ecology</i> , 2019, 143, 161-172.	2.1	34
291	Soil Aggregate Stratification of Ureolytic Microbiota Affects Urease Activity in an Inceptisol. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11584-11590.	2.4	16
292	Soyuretox, an Intrinsically Disordered Polypeptide Derived from Soybean (<i>Glycine Max</i>) Ubiquitous Urease with Potential Use as a Biopesticide. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5401.	1.8	8
293	Hybrid synthetic receptor composed of molecularly imprinted polydopamine and aptamers for impedimetric biosensing of urea. <i>Mikrochimica Acta</i> , 2019, 186, 71.	2.5	17
294	Urease Inhibitory Potential and Soil Ecotoxicity of Novel "Polyphenols" Deep Eutectic Solvents Formulations. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15558-15567.	3.2	23
295	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
296	Urea recovery from fresh human urine by forward osmosis and membrane distillation (FO-MD). <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1993-2003.	1.2	45
297	Modeling of enzymatic chitosan gelation: Tools for monitoring chitosan gelation and urea hydrolysis kinetics. <i>Reactive and Functional Polymers</i> , 2019, 144, 104337.	2.0	3
298	Direct Single Molecule Imaging of Enhanced Enzyme Diffusion. <i>Physical Review Letters</i> , 2019, 123, 128101.	2.9	47
299	Design, molecular docking and synthesis of novel 5,6-dichloro-2-methyl-1H-benzimidazole derivatives as potential urease enzyme inhibitors. <i>Bioorganic Chemistry</i> , 2019, 86, 151-158.	2.0	50
300	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
301	Urea Is Both a Carbon and Nitrogen Source for <i>Microcystis aeruginosa</i> : Tracking ¹³ C Incorporation at Bloom pH Conditions. <i>Frontiers in Microbiology</i> , 2019, 10, 1064.	1.5	75
302	An acetohydroxamate-coordinated oxidovanadium(V) complex derived from pyridinohydrazone ligand with urease inhibitory activity. <i>Inorganic Chemistry Communication</i> , 2019, 105, 212-216.	1.8	24
303	Temporal Analysis of Conformers in the Course of pH Scan Directed by Urea-Urease Reaction: A "Protein Clock". <i>Analytical Chemistry</i> , 2019, 91, 8814-8819.	3.2	13
304	Potential for breath test diagnosis of urease positive pathogens in lung infections. <i>Journal of Breath Research</i> , 2019, 13, 032002.	1.5	10
305	Characterization of urease derived from <i>Citrullus lanatus</i> (watermelon) seeds to estimate total Kjeldahl nitrogen in human urine. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 486-499.	1.8	2
306	Controlling the Distribution of Microbially Precipitated Calcium Carbonate in Radial Flow Environments. <i>Environmental Science & Technology</i> , 2019, 53, 5916-5925.	4.6	14
307	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

#	ARTICLE	IF	CITATIONS
308	Urea in Plants: Metabolic Aspects and Ecological Implications. <i>Progress in Botany Fortschritte Der Botanik</i> , 2019, , 157-187.	0.1	1
309	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
310	Covalent immobilization of soybean seed hull urease on chitosan mini-spheres and the impact on their properties. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101093.	1.5	17
311	Opportunities for Building-Scale Urine Diversion and Challenges for Implementation. <i>Accounts of Chemical Research</i> , 2019, 52, 886-895.	7.6	33
312	Influence of reaction-induced convection on quorum sensing in enzyme-loaded agarose beads. <i>Chaos</i> , 2019, 29, 033130.	1.0	11
313	Real-Time Monitoring and Control of Urea Hydrolysis in Cyber-Enabled Nonwater Urinal System. <i>Environmental Science & Technology</i> , 2019, 53, 3187-3197.	4.6	9
314	Enzymatic Micromotors as a Mobile Photosensitizer Platform for Highly Efficient On-Chip Targeted Antibacteria Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2019, 29, 1807727.	7.8	75
315	Safe and Effective Removal of Urea by Urease-Immobilized, Carboxyl-Functionalized PES Beads with Good Reusability and Storage Stability. <i>ACS Omega</i> , 2019, 4, 2853-2862.	1.6	23
316	Insights into Urease Inhibition by <i>N</i> -(<i>n</i> -Butyl) Phosphoric Triamide through an Integrated Structural and Kinetic Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 2127-2138.	2.4	33
317	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
318	Antioxidant, tyrosinase and urease inhibitory activities of camel β -casein and its hydrolysate fractions. <i>Small Ruminant Research</i> , 2019, 173, 30-35.	0.6	18
319	Catechol-based inhibitors of bacterial urease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1085-1089.	1.0	12
320	Kinetic Determination of Urease Activity in Fresh Pig Feces and Slurry and the Effect on Ammonia Production at Different Conditions. <i>Sustainability</i> , 2019, 11, 6396.	1.6	7
321	Calcium carbonate precipitation catalyzed by soybean urease as an improvement method for fine-grained soil. <i>Soils and Foundations</i> , 2019, 59, 1631-1637.	1.3	89
322	Enhanced Diffusion and Oligomeric Enzyme Dissociation. <i>Journal of the American Chemical Society</i> , 2019, 141, 20062-20068.	6.6	31
323	Urease is an essential component of the acid response network of <i>Staphylococcus aureus</i> and is required for a persistent murine kidney infection. <i>PLoS Pathogens</i> , 2019, 15, e1007538.	2.1	82
324	Inhibition Mechanism of Urease by Au(III) Compounds Unveiled by X-ray Diffraction Analysis. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 564-570.	1.3	30
325	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

#	ARTICLE	IF	CITATIONS
326	Synthesis of terpenoid oxo derivatives with antiureolytic activity. <i>Molecular Biology Reports</i> , 2019, 46, 51-58.	1.0	4
327	Study of the effect of temperature on microbially induced carbonate precipitation. <i>Acta Geotechnica</i> , 2019, 14, 627-638.	2.9	96
328	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
329	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
330	Biodegradable oil-based polymeric coatings on urea fertilizer: N release kinetic transformations of urea in soil. <i>Scientia Agricola</i> , 2020, 77, .	0.6	23
331	Cross-linked enzyme lyophilisates (CLELs) of urease: A new method to immobilize ureases. <i>Enzyme and Microbial Technology</i> , 2020, 132, 109390.	1.6	15
332	Urea Biosensor Based on Electrochromic Properties of Prussian Blue. <i>Electroanalysis</i> , 2020, 32, 503-509.	1.5	18
333	Urea removal strategies for dialysate regeneration in a wearable artificial kidney. <i>Biomaterials</i> , 2020, 234, 119735.	5.7	67
334	Periodic Nucleation of Calcium Phosphate in a Stirred Biocatalytic Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2823-2828.	7.2	11
335	Crude Urease Extract for Biocementation. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	1.3	54
336	4-Oxycoumarinyl linked acetohydrazide Schiff bases as potent urease inhibitors. <i>Bioorganic Chemistry</i> , 2020, 105, 104365.	2.0	14
337	Preparation and performance evaluation of environment-friendly biological dust suppressant. <i>Journal of Cleaner Production</i> , 2020, 273, 123162.	4.6	70
338	Performance of UREAstabil in the Nitisols and Vertisols of North-Western Ethiopia. <i>Cogent Food and Agriculture</i> , 2020, 6, 1783175.	0.6	0
339	Urea Biosensor Based on a CO ₂ Microsensor. <i>ACS Omega</i> , 2020, 5, 27582-27590.	1.6	17
340	Co-addition of humic substances and humic acids with urea enhances foliar nitrogen use efficiency in sugarcane (<i>Saccharum officinarum</i> L.). <i>Heliyon</i> , 2020, 6, e05100.	1.4	19
341	Impacts of the Winter Pea Crop (Instead of Rapeseed) on Soil Microbial Communities, Nitrogen Balance and Wheat Yield. <i>Agriculture (Switzerland)</i> , 2020, 10, 548.	1.4	4
342	Impact of acetic acid addition on nitrogen speciation and bacterial communities during urine collection and storage. <i>Science of the Total Environment</i> , 2020, 745, 141010.	3.9	12
343	Novel Bifunctional V ₂ O ₃ Nanosheets Coupled with N-Doped-Carbon Encapsulated Ni Heterostructure for Enhanced Electrocatalytic Oxidation of Urea-Rich Wastewater. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38061-38069.	4.0	47

#	ARTICLE	IF	CITATIONS
344	Urease and Nitrification Inhibitors as Mitigation Tools for Greenhouse Gas Emissions in Sustainable Dairy Systems: A Review. <i>Sustainability</i> , 2020, 12, 6018.	1.6	71
346	Symbiodiniaceae Dinoflagellates Express Urease in Three Subcellular Compartments and Upregulate its Expression Levels in Situ in Three Organs of a Giant Clam (<i>Tridacna squamosa</i>) During Illumination. <i>Journal of Phycology</i> , 2020, 56, 1696-1711.	1.0	9
347	Ammonia Recovery from Hydrolyzed Human Urine by Forward Osmosis with Acidified Draw Solution. <i>Environmental Science & Technology</i> , 2020, 54, 11556-11565.	4.6	30
348	Heavy Metal Immobilization Studies and Enhancement in Geotechnical Properties of Cohesive Soils by EICP Technique. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7568.	1.3	46
349	Ammonia loss from protected urea in soil under different irrigation depths. <i>Acta Scientiarum - Agronomy</i> , 0, 43, e46764.	0.6	6
350	A coupled bio-chemo-hydraulic model to predict porosity and permeability reduction during microbially induced calcite precipitation. <i>Advances in Water Resources</i> , 2020, 140, 103563.	1.7	40
351	Evaluating the impact of turf care products on soil biological health. <i>Journal of Environmental Quality</i> , 2020, 49, 858-868.	1.0	2
352	Urea detection using bio-synthesized gold nanoparticles: an SPR/LSPR based sensing approach realized on optical fiber. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	20
353	Synthesis, Biological Evaluation and Molecular Docking Studies of Novel Coumarinylthiazolyl Iminothiazolidinone Hybrids as Potent Urease Inhibitors. <i>ChemistrySelect</i> , 2020, 5, 5387-5390.	0.7	4
355	Nitrogen Fertilizers and NH ₃ Volatilization: Effect of Temperature and Soil Moisture. <i>Communications in Soil Science and Plant Analysis</i> , 2020, 51, 1283-1292.	0.6	6
356	Synthesis of diindolylmethane (DIM) bearing thiadiazole derivatives as a potent urease inhibitor. <i>Scientific Reports</i> , 2020, 10, 7969.	1.6	13
357	Technologies for the recovery of nutrients, water and energy from human urine: A review. <i>Chemosphere</i> , 2020, 259, 127372.	4.2	73
358	Complete Genome Sequences of <i>Leclercia</i> sp. W6 and W17 Isolated from a Gastric Cancer Patient. <i>Current Microbiology</i> , 2020, 77, 2775-2782.	1.0	1
359	Oxygen isotope composition of waters recorded in carbonates in strong clumped and oxygen isotopic disequilibrium. <i>Biogeosciences</i> , 2020, 17, 1731-1744.	1.3	12
360	Optimisation of diallyl disulfide concentration and effect of soil condition on urease inhibition. <i>Plant, Soil and Environment</i> , 2020, 66, 81-85.	1.0	5
361	Self-division of giant vesicles driven by an internal enzymatic reaction. <i>Chemical Science</i> , 2020, 11, 3228-3235.	3.7	63
362	Rejection of nitrogen species in real fresh and hydrolyzed human urine by reverse osmosis and nanofiltration. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103993.	3.3	36
363	Structures, kinetic and synergistic mechanisms studies of urease inhibition of copper(II) complex based on MOSs. <i>Journal of Molecular Structure</i> , 2020, 1209, 127958.	1.8	5

#	ARTICLE	IF	CITATIONS
364	Periodic Nucleation of Calcium Phosphate in a Stirred Biocatalytic Reaction. <i>Angewandte Chemie</i> , 2020, 132, 2845-2850.	1.6	4
365	Synthesis, DFT calculations, biological investigation, molecular docking studies of β -lactam derivatives. <i>Journal of Molecular Structure</i> , 2020, 1208, 127891.	1.8	30
366	Characterization of Crude Bacterial Urease for CaCO ₃ Precipitation and Cementation of Silty Sand. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	1.3	56
367	Aggregational differentiation of ureolytic microbes in an Ultisol under long-term organic and chemical fertilizations. <i>Science of the Total Environment</i> , 2020, 716, 137103.	3.9	20
368	Development of a M9-based urea medium (M9U) for sensitive and real-time monitoring of ureolytic activity of bacteria and cell-free urease. <i>MicrobiologyOpen</i> , 2020, 9, e976.	1.2	9
369	Mechanics of bacteria-assisted extrinsic healing. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 139, 103938.	2.3	8
370	Evaluation of MICP treatment through EC and pH tests in urea hydrolysis process. <i>Environmental Geotechnics</i> , 2021, 8, 274-281.	1.3	19
371	Carboxyethyl-functionalized 3D porous polypyrrole synthesized using a porogen-free method for covalent immobilization of urease. <i>Microporous and Mesoporous Materials</i> , 2021, 311, 110690.	2.2	6
372	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
373	Radiation synthesis of urea/hydrogel core shells coated with three different natural oils via a layer-by-layer approach: An investigation of their slow release and effects on plant growth-promoting rhizobacteria. <i>Progress in Organic Coatings</i> , 2021, 151, 106022.	1.9	11
374	Temperature-dependent inactivation and catalysis rates of plant-based ureases for engineered biomineralization. <i>Engineering Reports</i> , 2021, 3, e12299.	0.9	8
375	The diversity of molecular mechanisms of carbonate biomineralization by bacteria. <i>Discover Materials</i> , 2021, 1, 1.	1.0	46
376	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
377	Reaction of Ferralsol to Acidifying Effect of Nitrogen Fertilisation. <i>Journal of Agricultural Chemistry and Environment</i> , 2021, 10, 69-79.	0.2	0
378	Properties and Application of <i>Helicobacter pylori</i> Urease. <i>Pharmacy Information</i> , 2021, 10, 138-141.	0.1	0
379	Biocatalysis in the Recycling Landscape for Synthetic Polymers and Plastics towards Circular Textiles. <i>ChemSusChem</i> , 2021, 14, 4028-4040.	3.6	46
380	A Review of Enzyme Induced Carbonate Precipitation (EICP): The Role of Enzyme Kinetics. <i>Sustainable Chemistry</i> , 2021, 2, 92-114.	2.2	41
381	Multiple surface interaction mechanisms direct the anchoring, co-aggregation and formation of dual-species biofilm between <i>Candida albicans</i> and <i>Helicobacter pylori</i> . <i>Journal of Advanced Research</i> , 2022, 35, 169-185.	4.4	15

#	ARTICLE	IF	CITATIONS
382	Synthesis and biological evaluation of benzimidazolone bridged triheterocyclic compounds. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 1259-1267.	1.4	9
383	Enzyme Activities of Five White-Rot Fungi in the Presence of Nanocellulose. <i>Journal of Fungi (Basel)</i> , 2021, 7, 1078-1088.	1.5	8
384	Crackling noise and bio-cementation. <i>Engineering Fracture Mechanics</i> , 2021, 247, 107675.	2.0	16
385	Synthesis of new urease enzyme inhibitors as antiulcer drug and computational study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 8232-8247.	2.0	3
386	Graphene Oxide/Urease Nanobiosensor Applied for Cadmium Detection in River Water. <i>IEEE Sensors Journal</i> , 2021, 21, 9626-9633.	2.4	17
387	Population differentiation of Rhodobacteraceae along with coral compartments. <i>ISME Journal</i> , 2021, 15, 3286-3302.	4.4	16
388	Ureaâ€Urease Reaction in Controlling Properties of Supramolecular Hydrogels: Pros and Cons. <i>Chemistry - A European Journal</i> , 2021, 27, 8928-8939.	1.7	24
389	Design and synthesis of thiobarbituric acid analogues as potent urease inhibitors. <i>Journal of Molecular Structure</i> , 2021, 1231, 129959.	1.8	17
390	Improved Sensing Performance of Amperometric Urea Biosensor by Using Platinum Nanoparticles. <i>Electroanalysis</i> , 2021, 33, 1911-1922.	1.5	2
391	Kinetic and structural analysis of the inactivation of urease by mixed-ligand phosphine halide Ag(I) complexes. <i>Journal of Inorganic Biochemistry</i> , 2021, 218, 111375.	1.5	10
392	Material optimization of microbial dust suppressant nutrient solution based on response surface curve. <i>Powder Technology</i> , 2021, 385, 29-36.	2.1	24
393	Stability characteristics of cantilever nanobiosensors with simple and complex molecules for determination of cadmium. <i>Sensors and Actuators A: Physical</i> , 2021, 324, 112686.	2.0	9
394	Functional Biosensing Platform for Urea Detection: Copolymer of Fc-Substituted 2,5-di(thienyl)pyrrole and 3,4-ethylenedioxythiophene. <i>Journal of the Electrochemical Society</i> , 2021, 168, 067513.	1.3	3
395	Geotechnical Engineering Properties of Soils Solidified by Microbially Induced CaCO ₃ Precipitation (MICP). <i>Advances in Civil Engineering</i> , 2021, 2021, 1-21.	0.4	10
396	Urease Inhibitory Kinetic Studies of Various Extracts and Pure Compounds from Cinnamomum Genus. <i>Molecules</i> , 2021, 26, 3803.	1.7	7
397	Reaction-diffusion hydrogels from urease enzyme particles for patterned coatings. <i>Communications Chemistry</i> , 2021, 4, .	2.0	19
398	Study on the spatial distribution of ureolytic microorganisms in farmland soil around tailings with different heavy metal pollution. <i>Science of the Total Environment</i> , 2021, 775, 144946.	3.9	48
399	Proton-Regulated Catalytic Activity of Nanozymes for Dual-Modal Bioassay of Urease Activity. <i>Analytical Chemistry</i> , 2021, 93, 9897-9903.	3.2	22

#	ARTICLE	IF	CITATIONS
400	Real-time NMR Monitoring of Spatially Segregated Enzymatic Reactions in Multilayered Hydrogel Assemblies**. <i>Angewandte Chemie</i> , 2021, 133, 19325-19331.	1.6	2
401	Real-time NMR Monitoring of Spatially Segregated Enzymatic Reactions in Multilayered Hydrogel Assemblies**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19176-19182.	7.2	4
402	Ureolysis-induced calcium carbonate precipitation (UICP) in the presence of CO ₂ -affected brine: A field demonstration. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103391.	2.3	11
403	Adsorption of urease as part of a complex protein mixture onto soil and its implications for enzymatic activity. <i>Biochemical Engineering Journal</i> , 2021, 171, 108026.	1.8	9
404	Bioconcrete: The Promising Prospect for Green Construction. , 2022, , 567-584.		1
405	Comprehensive Profiling of Microbiologically Induced CaCO ₃ Precipitation by Ureolytic <i>Bacillus</i> Isolates from Alkaline Soils. <i>Microorganisms</i> , 2021, 9, 1691.	1.6	16
406	Urea Detection of Electrochemical Transistor Sensors based on Polyaniline (PANI)/MWCNT/Cotton Yarns. <i>Electroanalysis</i> , 2021, 33, 2406-2416.	1.5	11
407	Combined effects of climate change and the herbicide diuron on the coral <i>Acropora millepora</i> . <i>Marine Pollution Bulletin</i> , 2021, 169, 112582.	2.3	14
408	Effect of Biochar on Urea Hydrolysis Rate and Soil ureC Gene Copy Numbers. <i>Journal of Soil Science and Plant Nutrition</i> , 2021, 21, 3122-3131.	1.7	6
409	Aryl hydrazones linked thiazolyl coumarin hybrids as potential urease inhibitors. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 1221-1238.	1.2	8
410	DETERMINATION OF THE OPTIMUM CONDITIONS FOR UREASE INHIBITION EXTRACTED FROM SOME LOCAL PLANTS. <i>Iraqi Journal of Agricultural Sciences</i> , 2021, 52, 802-809.	0.1	0
411	CuO-Ni(OH) ₂ nanosheets as effective electro-catalysts for urea oxidation. <i>Applied Surface Science</i> , 2021, 560, 150009.	3.1	31
413	A link between urease and polyamine metabolism in <i>Cryptococcus neoformans</i> . <i>Microbial Pathogenesis</i> , 2021, 158, 105076.	1.3	2
414	Bio-oriented synthesis of new sulphadiazine derivatives for urease inhibition and their pharmacokinetic analysis. <i>Scientific Reports</i> , 2021, 11, 18973.	1.6	7
415	Optimisation of chemical constituents on enzyme-induced carbonate precipitation in test-tube and soil. <i>Geotechnical Research</i> , 2021, 8, 66-84.	0.8	31
416	Non-enzymatic properties of <i>Proteus mirabilis</i> urease subunits. <i>Process Biochemistry</i> , 2021, 110, 263-274.	1.8	8
417	Enzyme induced calcium carbonate precipitation and its engineering application: A systematic review and meta-analysis. <i>Construction and Building Materials</i> , 2021, 308, 125000.	3.2	23
418	Potent urease inhibition and in Silico docking study of four secondary metabolites isolated from <i>Heterophragma adenophyllum</i> Seem. <i>South African Journal of Botany</i> , 2021, 142, 201-205.	1.2	3

#	ARTICLE	IF	CITATIONS
419	New mixed matrix membrane for the removal of urea from dialysate solution. Separation and Purification Technology, 2021, 277, 119408.	3.9	9
420	Synthesis of substituted benzohydrazide derivatives: In vitro urease activities and their molecular docking studies. Chemical Data Collections, 2021, 36, 100778.	1.1	15
421	Drying fresh human urine in magnesium-doped alkaline substrates: Capture of free ammonia, inhibition of enzymatic urea hydrolysis & minimisation of chemical urea hydrolysis. Chemical Engineering Journal, 2022, 428, 131026.	6.6	18
422	Medicinal Au(III) compounds targeting urease as prospective antimicrobial agents: unveiling the structural basis for enzyme inhibition. Dalton Transactions, 2021, 50, 14444-14452.	1.6	10
423	Alkaline Dehydration of Human Urine Collected in Source-Separated Sanitation Systems Using Magnesium Oxide. Frontiers in Environmental Science, 2021, 8, .	1.5	16
426	Moonlighting Toxins: Ureases and Beyond. , 2015, , 1-21.		3
427	Hydrazine clubbed 1,3-thiazoles as potent urease inhibitors: design, synthesis and molecular docking studies. Molecular Diversity, 2021, 25, 1-13.	2.1	22
428	Effect of different ammonia sources on acetoclastic and hydrogenotrophic methanogens. Bioresource Technology, 2018, 250, 390-397.	4.8	70
429	Inhibition of urease activity by different compounds provides insight into the modulation and association of bacterial nickel import and ureolysis. Scientific Reports, 2020, 10, 8503.	1.6	71
430	Urease. 2-Oxoglutarate-Dependent Oxygenases, 2017, , 60-97.	0.8	27
431	CHAPTER 14. Nickel Metallochaperones: Structure, Function, and Nickel-Binding Properties. 2-Oxoglutarate-Dependent Oxygenases, 0, , 284-305.	0.8	2
432	Master curve of boosted diffusion for 10 catalytic enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 29435-29441.	3.3	30
433	Effect of Different Sources and Doses of Nitrogen on Vegetative and Productive Performance of Sugarcane under a Dystrophic Red Latosol Condition. Journal of Agricultural Science and Technology B, 2018, 8, .	0.1	1
435	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
436	Application of Gold Nanoseeds in Surface- Enhanced Raman Spectroscopy for Detection of Urea. KnE Engineering, 0, 1, .	0.1	1
437	Detection of Rutin, Kaepferol, and Quercetin based Crude from Corn Silk and Studying their Effects on the Inhibition of Pure Urease Enzyme and Urease of Klebsiella Species. International Journal of Current Microbiology and Applied Sciences, 2017, 6, 2676-2685.	0.0	5
438	Insights into the Design of Inhibitors of the Urease Enzyme - A Major Target for the Treatment of Helicobacter pylori Infections. Current Medicinal Chemistry, 2020, 27, 3967-3982.	1.2	16
439	Lead Molecules for Targeted Urease Inhibition: An Updated Review from 2010 -2018. Current Protein and Peptide Science, 2019, 20, 1158-1188.	0.7	9

#	ARTICLE	IF	CITATIONS
441	Influence of hydrolysis rate of urea on ruminal bacterial diversity level and cellulolytic bacteria abundance in vitro. PeerJ, 2018, 6, e5475.	0.9	7
442	Kinetics of urease mediated calcite precipitation and permeability reduction of porous media evidenced by magnetic resonance imaging. International Journal of Environmental Science and Technology, 2013, 10, 881-890.	1.8	5
443	Stochastic pH Oscillations in a Model of the Urea-Urease Reaction Confined to Lipid Vesicles. Journal of Physical Chemistry Letters, 2021, 12, 9888-9893.	2.1	7
445	Valorization of Polyphenols from <i>Stryphnodendron adstringens</i> Bark for Use as a Sustainable Inhibitor of Nitrogen Volatilization in Soil. ACS Agricultural Science and Technology, 2021, 1, 606-614.	1.0	1
446	POTENTIOMETRIC BIOSENSOR BASED ON THE RECOMBINANT UREASE FOR THE CONTROL OF THE UREA CONTENTATION IN REAL BIOLOGICAL SAMPLES. Sensor Electronics and Microsystem Technologies, 2014, 9, .	0.1	1
447	Native Bacterial Mixed Culture: A Proportionate Solution for Refinery and Petrochemical Wastewaters. <i>Thrita Journal of Medical Sciences</i> , 2012, 1, 149-54.	0.2	2
448	Utilisation d'une souche bactérienne alcalino-résistante productrice de CaCO ₃ pour l'amélioration de la qualité des granulats de béton recyclés. <i>Materiaux Et Techniques</i> , 2016, 104, 506.	0.3	1
449	Detection of Some Types of Bacteria in Patients with Kidney Stones and the Use of Corn Silk Extracts to Effectively Inhibit the Urease Enzyme in <i>Klebsiella</i> Species. <i>International Journal of Current Microbiology and Applied Sciences</i> , 2018, 7, 545-554.	0.0	1
450	<i>trans</i> -Bis(dimethyl sulfoxide- <i>d</i> ₆)bis(3-nitrobenzohydroxamate) ² Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 422	0.1	0
451	Remediation of soil cadmium pollution by biomineralization using microbial-induced precipitation: a review. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 208.	1.7	37
452	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
454	Highly Stable Potentiometric (Bio)Sensor for Urea and Urease Activity Determination. <i>Membranes</i> , 2021, 11, 898.	1.4	5
455	Combining multiple <i>Bacillus</i> spp. with fish protein hydrolysates mitigates root rot (<i>Fusarium solani</i>) and improves cucumber seedlings growth and substrate nutrients. <i>Journal of Applied Microbiology</i> , 2022, 132, 3058-3072.	1.4	1
456	Mathematical Modeling of Urea Reaction with Sulfuric Acid and Phosphoric Acid to Produce Ammonium Sulfate and Ammonium Dihydrogen Phosphate Respectively. <i>Energies</i> , 2021, 14, 8004.	1.6	1
457	Fungal colonization and biomineralization for bioprotection of concrete. <i>Journal of Cleaner Production</i> , 2022, 330, 129793.	4.6	10
458	Improvement in silty sand with enzyme-induced carbonate precipitation: laboratory model experiment. <i>Acta Geotechnica</i> , 2022, 17, 2895-2905.	2.9	12
459	Feasibility study of enzyme-induced calcium carbonate precipitation (EICP) for CO ₂ leakage prevention. <i>Geosciences Journal</i> , 2022, 26, 279-288.	0.6	2
461	Inhibition of the urea-urease reaction by the components of the zeolite imidazole frameworks-8 and the formation of urease-zinc-imidazole hybrid compound. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022, 135, 15-28.	0.8	5

#	ARTICLE	IF	CITATIONS
462	An inexpensive Ni-doped Co ₃ O ₄ electrocatalyst for urea oxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 635, 128101.	2.3	11
463	Cow urine as a source of nutrients for Microbial-Induced Calcite Precipitation in sandy soil. <i>Journal of Environmental Management</i> , 2022, 304, 114307.	3.8	12
464	Lost circulation mitigation using modified enzyme induced calcite precipitation technique. <i>Journal of Petroleum Science and Engineering</i> , 2022, 210, 110043.	2.1	6
465	Antiureolytic 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
466	Microbially Induced Calcite Precipitation (MICP): Review from an Engineering Perspective. <i>Geotechnical and Geological Engineering</i> , 2022, 40, 2379-2396.	0.8	10
467	Ammonia recovery and fouling mitigation of hydrolyzed human urine treated by nanofiltration and reverse osmosis. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 429-442.	1.2	5
468	Methimazole Analogs as Urease Inhibitors: Synthesis, <i>In Silico</i> and <i>In Vitro</i> Evaluation. <i>ChemistrySelect</i> , 2022, 7, .	0.7	2
469	Research progress and applications of nickel-based catalysts for electrooxidation of urea. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 7693-7712.	3.8	33
470	Biochar mitigated more N-related global warming potential in rice season than that in wheat season: An investigation from ten-year biochar-amended rice-wheat cropping system of China. <i>Science of the Total Environment</i> , 2022, 821, 153344.	3.9	12
471	A quantitative, high-throughput urease activity assay for comparison and rapid screening of ureolytic bacteria. <i>Environmental Research</i> , 2022, 208, 112738.	3.7	12
472	Biosensor Based on Coupled Enzyme Reactions for Determination of Arginase Activity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
473	Collective Behavior of Urease pH Clocks in Nano- and Microvesicles Controlled by Fast Ammonia Transport. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1979-1984.	2.1	10
474	Experimental Study of Enzyme-Induced Carbonate Precipitation for High Temperature Applications by Controlling Enzyme Activity. <i>Geomicrobiology Journal</i> , 2022, 39, 502-514.	1.0	6
475	Advanced Nickel-Based Catalysts for Urea Oxidation Reaction: Challenges and Developments. <i>Catalysts</i> , 2022, 12, 337.	1.6	34
476	Carbon Dioxide and the Carbamate Post-Translational Modification. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 825706.	1.6	9
477	Different spacer-arm attached magnetic nanoparticles for covalent immobilization of Jack bean urease. <i>Biyokimya Dergisi</i> , 2022, .	0.1	0
478	An overview on the synthetic urease inhibitors with structure-activity relationship and molecular docking. <i>European Journal of Medicinal Chemistry</i> , 2022, 234, 114273.	2.6	24
479	Phosphinic acid-based enzyme inhibitors. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 0, , 1-6.	0.8	0

#	ARTICLE	IF	CITATIONS
480	Microbial induced calcite precipitation can consolidate martian and lunar regolith simulants. PLoS ONE, 2022, 17, e0266415.	1.1	7
481	Stabilization and concentration of nitrogen in synthetic urine with peracetic acid and progressive freeze concentration. Journal of Environmental Chemical Engineering, 2022, 10, 107768.	3.3	7
485	Steps towards a nature inspired inorganic crystal engineering. Dalton Transactions, 2022, , .	1.6	8
487	Function of Urease in Plants with Reference to Legumes: A Review. , 0, , .		3
488	Spatiotemporal Distribution of Precipitates and Mineral Phase Transition During Biomineralization Affect Porosityâ€“Permeability Relationships. Transport in Porous Media, 2022, 143, 527-549.	1.2	8
489	Rational Development of Bacterial Ureasases Inhibitors. Chemical Record, 2022, 22, e202200026.	2.9	11
490	Biosensor based on coupled enzyme reactions for determination of arginase activity. Bioelectrochemistry, 2022, 146, 108137.	2.4	1
491	Influence of temperature and water quality on the persistence of human mitochondrial DNA, human Hf183 Bacteroidales, fecal coliforms and enterococci in surface water in human fecal source tracking context. Science of the Total Environment, 2022, 838, 156025.	3.9	2
492	Synthesis of quinazolinone derivatives containing an acyl hydrazone skeleton as potent anti-urease agents enzyme kinetic studies and anti-oxidant properties. Journal of Chemical Research, 2022, 46, 174751982210965.	0.6	4
493	A biocatalytic system obtained via immobilization of urease onto magnetic metal/alginate nanocomposite: Improving reusability and enhancing stability. Biocatalysis and Biotransformation, 2023, 41, 456-465.	1.1	2
494	Antibacteria, Antiurease, and Antiproliferative Abruquinones from <i>Abrus precatorius</i> Roots. Journal of Biologically Active Products From Nature, 2022, 12, 276-290.	0.1	0
495	Di-n-butyl phthalate negatively affects humic acid conversion and microbial enzymatic dynamics during composting. Journal of Hazardous Materials, 2022, 436, 129306.	6.5	11
496	Immobilization of urease enzyme on chitosan/polyvinyl alcohol electrospun nanofibers. Biotechnology Progress, 2022, 38, .	1.3	4
497	Exploring the Chemical Space of Urease Inhibitors to Extract Meaningful Trends and Drivers of Activity. Journal of Chemical Information and Modeling, 2022, 62, 3535-3550.	2.5	6
498	Thiohydantoins and hydantoins derived from amino acids as potent urease inhibitors: Inhibitory activity and ligand-target interactions. Chemico-Biological Interactions, 2022, 365, 110045.	1.7	0
499	Enzymes Inhibition and Antioxidant Potential of Medicinal Plants Growing in Oman. BioMed Research International, 2022, 2022, 1-9.	0.9	7
500	Factors Affecting Soybean Crude Urease Extraction and Biocementation via Enzyme-Induced Carbonate Precipitation (EICP) for Soil Improvement. Energies, 2022, 15, 5566.	1.6	21
501	Cephalosporin as Potent Urease and Tyrosinase Inhibitor: Exploration through Enzyme Inhibition, Kinetic Mechanism, and Molecular Docking Studies. BioMed Research International, 2022, 2022, 1-11.	0.9	2

#	ARTICLE	IF	CITATIONS
502	Urea hydrolysis in different farmland soils as affected by long-term biochar application. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	5
503	2-Chloro-5-(1-hydroxy-3-oxoisindolin-1-yl)benzenesulfonamides as potential inhibitors of urease: Synthesis, in vitro and molecular modeling approach. <i>Journal of the Chinese Chemical Society</i> , 0, , .	0.8	1
504	Inhibition of Urease by Hydroquinones: A Structural and Kinetic Study. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	6
505	Cyclodextrin polymer-confined urease for the fast and efficient removal of urea. <i>New Journal of Chemistry</i> , 0, , .	1.4	0
506	Investigating purification and activity analysis of urease enzyme extracted from jack bean source: A green chemistry approach. <i>Analytical Biochemistry</i> , 2022, 659, 114925.	1.1	5
507	Enzymatic Activities of Bok Choy (<i>Brassica rapa</i> subsp. <i>Chinensis</i>) Grown Soil with the Amendment of Sandwich Compost. <i>International Journal of Agronomy</i> , 2022, 2022, 1-12.	0.5	1
508	Synthesis, biochemical characterization and <i>in silico</i> investigation of 3-(butylamino)-4-phenoxy-5-sulfamoylbenzoic acid derivatives: dual action mode inhibitors of urease and virulent bacterial stains. <i>Biochemical Journal</i> , 2022, 479, 2035-2048.	1.7	0
509	New frontiers in sustainable cements: Improving the performance of carbonated reactive MgO concrete via microbial carbonation process. <i>Construction and Building Materials</i> , 2022, 356, 129243.	3.2	4
510	Improving crop productivity and nitrogen use efficiency using sulfur and zinc-coated urea: A review. <i>Frontiers in Plant Science</i> , 0, 13, .	1.7	8
511	Optimization of Urease Production Capacity of a Novel Salt-Tolerant <i>Staphylococcus xylosum</i> Strain through Response Surface Modeling. <i>Sustainability</i> , 2022, 14, 13623.	1.6	0
512	Assessment of urease enzyme extraction for superior and economic bio-cementation of granular materials using enzyme-induced carbonate precipitation. <i>Acta Geotechnica</i> , 2023, 18, 2263-2279.	2.9	8
513	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
514	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
515	Microbial Enzymes: Role in Soil Fertility. <i>Environmental and Microbial Biotechnology</i> , 2022, , 155-187.	0.4	1
516	Diversity of Microbial Enzymes in a Soil Ecosystem. <i>Environmental and Microbial Biotechnology</i> , 2022, , 19-35.	0.4	0
517	Urease inhibitors increased soil ureC gene abundance and intracellular urease activity when extracellular urease activity was inhibited. <i>Geoderma</i> , 2023, 430, 116295.	2.3	9
518	An overview: metal-based inhibitors of urease. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2023, 38, 361-375.	2.5	6
520	Ammonia emission from sandy loam soil amended with manure compost and urea. <i>Applied Biological Chemistry</i> , 2022, 65, .	0.7	5

#	ARTICLE	IF	CITATIONS
521	Urease and Carbonic Anhydrase Inhibitory Effect of Xanthenes from <i>Aspergillus nidulans</i> , an Endophytic Fungus of <i>Nyctanthes arbor-tristis</i> . <i>Planta Medica</i> , 0, , .	0.7	0
522	Syntheses, characterization, crystal structures and Jack bean urease inhibitory property of NiII, CdII, CuII and FeIII complexes with bis-Schiff bases. <i>Polyhedron</i> , 2023, 231, 116254.	1.0	1
523	Urease inhibitory activity on 1,2,3-triazoles-linked indomethacin derivatives; in vitro and in silico studies. <i>Journal of Molecular Structure</i> , 2023, 1278, 134945.	1.8	0
524	Flavonoids and related privileged scaffolds as potential urease inhibitors: a review. <i>RSC Advances</i> , 2023, 13, 3210-3233.	1.7	11
525	Inhibiting N ₂ O emissions and improving environmental benefits by integrating garlic growing in grain production systems. <i>Agriculture, Ecosystems and Environment</i> , 2023, 347, 108371.	2.5	5
526	Synthesis, Crystal Structures and Urease Inhibition of Zinc(II) and Copper(II) Complexes Derived from 2-Amino-N ² -(1-(Pyridin-2-yl) Ethylidene)Benzohydrazide. <i>Journal of Structural Chemistry</i> , 2023, 64, 365-376.	0.3	1
527	Factors influencing the recovery of organic nitrogen from fresh human urine dosed with organic/inorganic acids and concentrated by evaporation in ambient conditions. <i>Science of the Total Environment</i> , 2023, 879, 163053.	3.9	1
528	In situ forming dialdehyde xanthan gum-gelatin Schiff-base hydrogels as potent controlled release fertilizers. <i>Science of the Total Environment</i> , 2023, 875, 162660.	3.9	12
530	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
531	Synthesis, Characterization, and Biological Evaluation of 2-(N-((2-(2H-tetrazole-5-yl)-[1,1'-biphenyl]-4-yl)-methyl)-pentanamido)-3-methyl Butanoic Acid Derivatives. <i>Molecules</i> , 2023, 28, 1908.	1.7	2
532	Design, Synthesis and Evaluation of Aryl-Tailored Oxadiazole-thiones as New Urease Inhibitors. <i>ChemistrySelect</i> , 2023, 8, .	0.7	2
533	<i>Staphylococcus aureus</i> ST1 promotes persistent urinary tract infection by highly expressing the urease. <i>Frontiers in Microbiology</i> , 0, 14, .	1.5	3
534	Synthesis and biological evaluation of 2-nitrocinnamaldehyde derived thiosemicarbazones as urease inhibitors. <i>Journal of Molecular Structure</i> , 2023, 1284, 135387.	1.8	4
535	The use of N-(N-butyl)-thiophosphoric triamide to improve the efficiency of enzyme induced carbonate precipitation at high temperature. <i>Acta Geotechnica</i> , 2023, 18, 5063-5081.	2.9	1
536	Accurate Reduced Models for the pH Oscillations in the Urea-Urease Reaction Confined to Giant Lipid Vesicles. <i>Journal of Physical Chemistry B</i> , 2023, 127, 2955-2967.	1.2	0
537	Computational Strategies Targeting Inhibition of <i>Helicobacter pylori</i> and <i>Cryptococcus neoformans</i> Ureasases. <i>Current Pharmaceutical Design</i> , 2023, 29, 777-792.	0.9	1
538	Urease Inhibition and Structure-Activity Relationship Study of Thiazolidinone-, Triazole-, and Benzothiazole-Based Heterocyclic Derivatives: A Focus Review. <i>ChemistrySelect</i> , 2023, 8, .	0.7	2
539	An Improved Method for Determining Urease Activity from Electrical Conductivity Measurements. <i>ACS Omega</i> , 2023, 8, 13791-13798.	1.6	2

#	ARTICLE	IF	CITATIONS
540	A facile green synthesis of 3,4-dihydropyrimidin-2(1H)-ones using cysteine as a bio-organic catalyst: Potent urease inhibitors, in vitro evaluation, kinetic mechanism, and molecular docking studies. Journal of Molecular Structure, 2023, 1286, 135638.	1.8	3
543	Removal of Urea and Ammonia from Wastewater. Energy, Environment, and Sustainability, 2023, , 335-353.	0.6	0
548	Urea electrooxidation: Research progress and application of supported nickel-based catalysts. Ionics, 2023, 29, 2969-2987.	1.2	0
561	Urease. , 2024, , 393-410.		0
577	Urea catalytic oxidation for energy and environmental applications. Chemical Society Reviews, 2024, 53, 1552-1591.	18.7	2
593	Plant ureases: biochemistry, structure, physiological functions, role of urease inhibitors, and urease applications in industry. , 2024, , 99-117.		0
594	Urease: structure, function, catalysis, and inhibition. , 2024, , 165-208.		0
595	Ureases in the beverage industry. , 2024, , 401-419.		0
596	Inhibition of ureases: studies and applications. , 2024, , 209-254.		0
597	Fungal ureases. , 2024, , 147-161.		0
598	Ureases: an overview. , 2024, , 3-11.		0
599	Microbial ureases. , 2024, , 47-98.		0
600	Historical hallmarks in urease study. , 2024, , 15-24.		0