

# Sanjay Kumar

## List of Publications by Year in descending order

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206  
papers

7,587  
citations

43973

48  
h-index

76769

74  
g-index

214  
all docs

214  
docs citations

214  
times ranked

7374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle swarm optimization and intuitionistic fuzzy set-based novel method for fuzzy time series forecasting. <i>Granular Computing</i> , 2022, 7, 285-303.	4.4	40
2	Improving the catalytic efficiency and dimeric stability of Cu,Zn superoxide dismutase by combining structure-guided consensus approach with site-directed mutagenesis. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2022, 1863, 148505.	0.5	7
3	Prevalence and antimicrobial resistance of Salmonella in conventional and no antibiotics ever broiler farms in the United States. <i>Food Control</i> , 2022, 135, 108738.	2.8	4
4	Ice structuring protein extract of <i>Hordeum vulgare</i> var. dolma grain reduces drip loss and loss of soluble vitamin content in peas during frozen storage. <i>Cryobiology</i> , 2022, 104, 1-7.	0.3	6
5	<scp>AtUSP17</scp> negatively regulates salt stress tolerance through modulation of multiple signaling pathways in <i>Arabidopsis</i>. <i>Physiologia Plantarum</i> , 2022, 174, e13635.	2.6	8
6	Pharmaco-immunomodulatory interventions for averting cytokine storm-linked disease severity in SARS-CoV-2 infection. <i>Inflammopharmacology</i> , 2022, 30, 23-49.	1.9	8
7	Multilocus sequence based identification and adaptational strategies of <i>Pseudomonas</i> sp. from the supraglacial site of Sikkim Himalaya. <i>PLoS ONE</i> , 2022, 17, e0261178.	1.1	7
8	Seroprevalence and immunological characterization of <i>Trypanosoma evansi</i> infection in livestock of four agro-climatic zones of Himachal Pradesh, India. <i>Tropical Animal Health and Production</i> , 2022, 54, 60.	0.5	3
9	Polymerase Spiral Reaction (PSR) as a novel rapid colorimetric isothermal point of care assay for detection of <i>Trypanosoma evansi</i> genomic DNA. <i>Veterinary Parasitology</i> , 2022, 302, 109644.	0.7	6
10	Managing irrigation supplies effectively under interrupted electricity supply: Lesson from an arid region of India. <i>Agricultural Water Management</i> , 2022, 263, 107465.	2.4	1
11	Atypical human trypanosomosis: Potentially emerging disease with lack of understanding. <i>Zoonoses and Public Health</i> , 2022, 69, 259-276.	0.9	11
12	Fuzzy time series forecasting based on hesitant fuzzy sets, particle swarm optimization and support vector machine-based hybrid method. <i>Granular Computing</i> , 2022, 7, 861-879.	4.4	19
13	Molecular cloning, characterization, and in-silico analysis of l-asparaginase from Himalayan <i>Pseudomonas</i> sp. PCH44. <i>3 Biotech</i> , 2022, 12, .	1.1	8
14	Bioprocess for co-production of polyhydroxybutyrate and violacein using Himalayan bacterium <i>lodobacter</i> sp. PCH194. <i>Bioresource Technology</i> , 2021, 319, 124235.	4.8	28
15	Numerical and experimental investigations on aggradation and degradation in irrigation canals accounting for infiltration<sup>*</sup>. <i>Irrigation and Drainage</i> , 2021, 70, 342-359.	0.8	1
16	Preharvest food safety. , 2021, , 495-521.		0
17	Validation of Commonly Used Antimicrobial Interventions on Bob Veal Carcasses for Reducing Shiga Toxinâ€™Producing <i>Escherichia coli</i> Surrogate Populations. <i>Journal of Food Protection</i> , 2021, 84, 1114-1121.	0.8	0
18	Comparative transcriptome analysis of <i>Rheum australe</i> , an endangered medicinal herb, growing in its natural habitat and those grown in controlled growth chambers. <i>Scientific Reports</i> , 2021, 11, 3702.	1.6	11

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19	Comparative genomics and physiological investigation supported safety, cold adaptation, efficient hydrolytic and plant growth-promoting potential of psychrotrophic <i>Glutamicibacter arilaitensis</i> LJH19, isolated from night-soil compost. <i>BMC Genomics</i> , 2021, 22, 307.	1.2	17
20	Physiological and genomic evidence supports the role of <i>Serratia quinivorans</i> PKL:12 as a biopriming agent for the biohardening of micropropagated <i>Picrorhiza kurroa</i> plantlets in cold regions. <i>Genomics</i> , 2021, 113, 1448-1457.	1.3	8
21	A thermostable Fe/Mn SOD of <i>Geobacillus</i> sp. PCH100 isolated from glacial soil of Indian trans-Himalaya exhibits activity in the presence of common inhibitors. <i>International Journal of Biological Macromolecules</i> , 2021, 179, 576-585.	3.6	8
22	Prickle morphogenesis in rose is coupled with secondary metabolite accumulation and governed by canonical MBW transcriptional complex. <i>Plant Direct</i> , 2021, 5, e00325.	0.8	13
23	Membrane localized thaumatin-like protein from tea ( <i>CsTLP</i> ) enhanced seed yield and the plant survival under drought stress in <i>Arabidopsis thaliana</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 163, 36-44.	2.8	9
24	Anti-piroplasmic activity of novobiocin as heat shock protein 90 inhibitor against in vitro cultured <i>Theileria equi</i> and <i>Babesia caballi</i> parasites. <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101696.	1.1	3
25	<i>Arnebia euchroma</i> , a Plant Species of Cold Desert in the Himalayas, Harbors Beneficial Cultivable Endophytes in Roots and Leaves. <i>Frontiers in Microbiology</i> , 2021, 12, 696667.	1.5	35
26	The first draft genome of <i>Picrorhiza kurroa</i> , an endangered medicinal herb from Himalayas. <i>Scientific Reports</i> , 2021, 11, 14944.	1.6	10
27	Time-series eco-metabolomics reveals extensive reshuffling in metabolome during transition from cold acclimation to deacclimation in an alpine shrub. <i>Physiologia Plantarum</i> , 2021, 173, 1824-1840.	2.6	9
28	Nutritional and physiological responses of broiler chicken to the dietary supplementation of <i>Moringa oleifera</i> aqueous leaf extract and ascorbic acid in tropics. <i>Tropical Animal Health and Production</i> , 2021, 53, 428.	0.5	5
29	Combating the progression of novel coronavirus SARS-CoV-2 infectious Disease: Current state and future prospects in molecular diagnostic and drug discovery. <i>Current Molecular Medicine</i> , 2021, 21, .	0.6	6
30	Managing reactive oxygen species—Some learnings from high altitude extremophytes. <i>Environmental and Experimental Botany</i> , 2021, 189, 104525.	2.0	10
31	Site-directed mutagenesis (P61G) of copper, zinc superoxide dismutase enhances its kinetic properties and tolerance to inactivation by H <sub>2</sub> O <sub>2</sub> . <i>Plant Physiology and Biochemistry</i> , 2021, 168, 221-229.	2.8	6
32	A Novel Method to Optimize Interval Length for Intuitionistic Fuzzy Time Series. <i>Advances in Intelligent Systems and Computing</i> , 2021, , 55-62.	0.5	4
33	Stress-Responsive cis-Regulatory Elements Underline Podophyllotoxin Biosynthesis and Better Performance of <i>Sinopodophyllum hexandrum</i> Under Water Deficit Conditions. <i>Frontiers in Plant Science</i> , 2021, 12, 751846.	1.7	12
34	Effect of a bioactive product SEL001 from <i>Lactobacillus sakei</i> probio65 on gut microbiota and its anti-colitis effects in a TNBS-induced colitis mouse model. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 261-270.	1.8	21
35	Microbial polyhydroxyalkanoates from extreme niches: Bioprospection status, opportunities and challenges. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 1255-1267.	3.6	24
36	Transport and tumbling of polymers in viscoelastic shear flow. <i>Physical Review E</i> , 2020, 102, 012605.	0.8	1

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37	Drug-induced reactive oxygen species-mediated inhibitory effect on growth of <i>Trypanosoma evansi</i> in axenic culture system. <i>Parasitology Research</i> , 2020, 119, 3481-3489.	0.6	9
38	Two light responsive WRKY genes exhibit positive and negative correlation with picroside content in <i>Picrorhiza kurroa</i> Royle ex Benth, an endangered medicinal herb. <i>3 Biotech</i> , 2020, 10, 255.	1.1	2
39	Elevated CO <sub>2</sub> and temperature influence key proteins and metabolites associated with photosynthesis, antioxidant and carbon metabolism in <i>Picrorhiza kurroa</i> . <i>Journal of Proteomics</i> , 2020, 219, 103755.	1.2	21
40	Identification of host factors limiting the overexpression of recombinant Cu, Zn superoxide dismutase in <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2020, 42, 2389-2401.	1.1	2
41	Approaches for conservation and improvement of Himalayan plant genetic resources. , 2020, , 297-317.		3
42	A Broad Temperature Active Lipase Purified From a Psychrotrophic Bacterium of Sikkim Himalaya With Potential Application in Detergent Formulation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 642.	2.0	34
43	Protein Kinase Inhibitors Arrested the In-Vitro Growth of <i>Theileria equi</i> . <i>Acta Parasitologica</i> , 2020, 65, 644-651.	0.4	0
44	Genome-wide identification and expression profiling of genes encoding universal stress proteins (USP) identify multi-stress responsive USP genes in <i>Arabidopsis thaliana</i> . <i>Plant Physiology Reports</i> , 2019, 24, 434-445.	0.7	14
45	Lumefantrine and o-choline Parasite metabolism specific drug molecules inhibited in vitro growth of <i>Theileria equi</i> and <i>Babesia caballi</i> in MASP culture system. <i>Ticks and Tick-borne Diseases</i> , 2019, 10, 568-574.	1.1	5
46	Global Transcriptional Insights of Pollen-Pistil Interactions Commencing Self-Incompatibility and Fertilization in Tea [ <i>Camellia sinensis</i> (L.) O. Kuntze]. <i>International Journal of Molecular Sciences</i> , 2019, 20, 539.	1.8	34
47	Ectopic expression of SOD and APX genes in <i>Arabidopsis</i> alters metabolic pools and genes related to secondary cell wall cellulose biosynthesis and improve salt tolerance. <i>Molecular Biology Reports</i> , 2019, 46, 1985-2002.	1.0	32
48	Dynamics of a polymer under multi-gradient fields. <i>Journal of Chemical Physics</i> , 2019, 150, 024906.	1.2	4
49	Optimized chromogenic dyes-based identification and quantitative evaluation of bacterial l-asparaginase with low/no glutaminase activity bioprospected from pristine niches in Indian trans-Himalaya. <i>3 Biotech</i> , 2019, 9, 275.	1.1	14
50	Transcriptional profiling of contrasting genotypes revealed key candidates and nucleotide variations for drought dissection in <i>Camellia sinensis</i> (L.) O. Kuntze. <i>Scientific Reports</i> , 2019, 9, 7487.	1.6	32
51	Insight Into Dynamics of Gut Microbial Community of Broilers Fed With Fructooligosaccharides Supplemented Low Calcium and Phosphorus Diets. <i>Frontiers in Veterinary Science</i> , 2019, 6, 95.	0.9	14
52	Kinetics of polymer tumbling in shear flow: A coarse-grained description. <i>Physical Review E</i> , 2019, 99, 030501.	0.8	2
53	Validation of Antimicrobial Interventions for Reducing Shiga Toxin-Producing <i>Escherichia coli</i> Surrogate Populations during Goat Slaughter and Carcass Chilling. <i>Journal of Food Protection</i> , 2019, 82, 364-370.	0.8	3
54	A parsimonious approach to delineating groundwater potential zones using geospatial modeling and multicriteria decision analysis techniques under limited data availability condition. <i>Engineering Reports</i> , 2019, 1, e12073.	0.9	10

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55	Complete genome sequence of <i>Pseudomonas frederiksbergensis</i> ERDD5:01 revealed genetic bases for survivability at high altitude ecosystem and bioprospection potential. <i>Genomics</i> , 2019, 111, 492-499.	1.3	38
56	Appraisal of diversity and functional attributes of thermotolerant wheat associated bacteria from the peninsular zone of India. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 1882-1895.	1.8	134
57	Risk factor analysis associated with <i>Theileria equi</i> infected equines in semi-arid and sub-humid ecological enzootic zones of India. <i>Veterinary Parasitology: Regional Studies and Reports</i> , 2018, 12, 17-21.	0.3	5
58	Comparative evaluation of lignocellulolytic activities of filamentous cultures of monocentric and polycentric anaerobic fungi. <i>Anaerobe</i> , 2018, 50, 76-79.	1.0	14
59	Strategies for high-altitude adaptation revealed from high-quality draft genome of non-violacein producing <i>Janthinobacterium lividum</i> ERGS5:01. <i>Standards in Genomic Sciences</i> , 2018, 13, 11.	1.5	32
60	Intuitionistic Fuzzy Set-Based Computational Method for Financial Time Series Forecasting. <i>Fuzzy Information and Engineering</i> , 2018, 10, 307-323.	1.0	15
61	Chicken Gut Microbiota: Importance and Detection Technology. <i>Frontiers in Veterinary Science</i> , 2018, 5, 254.	0.9	274
62	Diverse culturable bacterial communities with cellulolytic potential revealed from pristine habitat in Indian trans-Himalaya. <i>Canadian Journal of Microbiology</i> , 2018, 64, 798-808.	0.8	30
63	Bioplastic reservoir of diverse bacterial communities revealed along altitude gradient of Pangi-Chamba trans-Himalayan region. <i>FEMS Microbiology Letters</i> , 2018, 365, .	0.7	30
64	Comparative diversity analysis of ruminal methanogens in Murrah buffaloes ( <i>Bubalus bubalis</i> ) in four states of North India. <i>Anaerobe</i> , 2018, 52, 59-63.	1.0	7
65	Heterologous Expression of Key C and N Metabolic Enzymes Improves Re-assimilation of Photorespired CO <sub>2</sub> and NH <sub>3</sub> , and Growth. <i>Plant Physiology</i> , 2018, 177, 1396-1409.	2.3	15
66	Effect of antibiotic withdrawal in feed on chicken gut microbial dynamics, immunity, growth performance and prevalence of foodborne pathogens. <i>PLoS ONE</i> , 2018, 13, e0192450.	1.1	112
67	Performance Evaluation of a Traveller Irrigation System. <i>Irrigation and Drainage</i> , 2017, 66, 173-181.	0.8	2
68	Effect of elevated [CO <sub>2</sub> ] and temperature on growth, physiology and essential oil composition of <i>Salvia sclarea</i> L. in the western Himalayas. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> , 2017, 6, 22-30.	0.9	14
69	Intra and inter species genetic variability of transferrin receptor gene regions in <i>Trypanosoma evansi</i> isolates of different livestock and geographical regions of India. <i>Acta Parasitologica</i> , 2017, 62, 133-140.	0.4	2
70	A temperature-responsive gene in sorghum encodes a glycine-rich protein that interacts with calmodulin. <i>Biochimie</i> , 2017, 137, 115-123.	1.3	7
71	Plant Adaptation in Mountain Ecosystem. , 2017, , 249-271.		2
72	Molecular dissection of transcriptional reprogramming of steviol glycosides synthesis in leaf tissue during developmental phase transitions in <i>Stevia rebaudiana</i> Bert. <i>Scientific Reports</i> , 2017, 7, 11835.	1.6	51

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73	Transgenic Potato Plants Overexpressing SOD and APX Exhibit Enhanced Lignification and Starch Biosynthesis with Improved Salt Stress Tolerance. <i>Plant Molecular Biology Reporter</i> , 2017, 35, 504-518.	1.0	65
74	Impact estimation of animal trypanosomosis (surra) on livestock productivity in India using simulation model: Current and future perspective. <i>Veterinary Parasitology: Regional Studies and Reports</i> , 2017, 10, 1-12.	0.3	15
75	Biotechnological interventions for harnessing podophyllotoxin from plant and fungal species: current status, challenges, and opportunities for its commercialization. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 739-753.	5.1	27
76	Molecular characterization of internal transcribed spacer 1 (ITS 1) region of different <i>Trypanosoma evansi</i> isolates of India. <i>Journal of Parasitic Diseases</i> , 2017, 41, 527-533.	0.4	4
77	An approach to handel nondeterminism in fuzzy time series forecasting by hesitant fuzzy sets. , 2017, , .		2
78	Evaluating the impact of artificial groundwater recharge structures using geo-spatial techniques in the hard-rock terrain of Rajasthan, India. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	7
79	Effect of feeding different dietary levels of energy and protein on growth performance and immune status of Vanaraja chicken in the tropic. <i>Veterinary World</i> , 2016, 9, 893-899.	0.7	18
80	Probiotics and Atopic Dermatitis: An Overview. <i>Frontiers in Microbiology</i> , 2016, 7, 507.	1.5	128
81	The Promoter of AtUSP Is Co-regulated by Phytohormones and Abiotic Stresses in <i>Arabidopsis thaliana</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1957.	1.7	39
82	Use of Intuitionistic Fuzzy Time Series in Forecasting Enrollments to an Academic Institution. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 843-852.	0.5	19
83	Molecular diversity and multifarious plant growth promoting attributes of Bacilli associated with wheat ( <i>Triticum aestivum</i> L.) rhizosphere from six diverse agro-ecological zones of India. <i>Journal of Basic Microbiology</i> , 2016, 56, 44-58.	1.8	229
84	Metagenomic Evidence of the Prevalence and Distribution Patterns of Antimicrobial Resistance Genes in Dairy Agroecosystems. <i>Foodborne Pathogens and Disease</i> , 2016, 13, 296-302.	0.8	32
85	Vertical transmission of <i>Trypanosoma evansi</i> in dromedary camels and studies on fetal pathology, diagnosis and treatment. <i>Acta Parasitologica</i> , 2016, 61, 329-36.	0.4	8
86	Fuzzy time series forecasting method based on hesitant fuzzy sets. <i>Expert Systems With Applications</i> , 2016, 64, 557-568.	4.4	99
87	Modeling of groundwater draft based on satellite-derived crop acreage estimation over an arid region of northwest India. <i>Hydrogeology Journal</i> , 2016, 24, 1681-1698.	0.9	8
88	Copper, zinc superoxide dismutase from <i>Caragana jubata</i> : A thermostable enzyme that functions under a broad pH and temperature window. <i>Process Biochemistry</i> , 2016, 51, 1434-1444.	1.8	9
89	Amino acids flanking the central core of Cu,Zn superoxide dismutase are important in retaining enzyme activity after autoclaving. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 475-485.	2.0	11
90	Spatial distribution, risk factors and haemato-biochemical alterations associated with <i>Theileria equi</i> infected equids of Punjab (India) diagnosed by indirect ELISA and nested PCR. <i>Acta Tropica</i> , 2016, 155, 104-112.	0.9	29

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91	Complete genome sequence of <i>Arthrobacter alpinus</i> ERGS4:06, a yellow pigmented bacterium tolerant to cold and radiations isolated from Sikkim Himalaya. <i>Journal of Biotechnology</i> , 2016, 220, 86-87.	1.9	30
92	GIS-based assessment of non-equilibrium pattern between groundwater recharge and irrigation draft in a semi-arid region of Rajasthan, India. <i>Journal of Arid Land</i> , 2016, 8, 184-196.	0.9	8
93	Metagenomic assessment of the functional potential of the rumen microbiome in Holstein dairy cows. <i>Anaerobe</i> , 2016, 38, 50-60.	1.0	93
94	Transcriptome analysis of stem wood of <i>Nothapodytes nimmoniana</i> (Graham) Mabb. identifies genes associated with biosynthesis of camptothecin, an anti-carcinogenic molecule. <i>Journal of Biosciences</i> , 2016, 41, 119-131.	0.5	22
95	Intuitionistic Fuzzy Time Series: An Approach for Handling Nondeterminism in Time Series Forecasting. <i>IEEE Transactions on Fuzzy Systems</i> , 2016, 24, 1270-1281.	6.5	86
96	In vitro growth inhibitory efficacy of some target specific novel drug molecules against <i>Theileria equi</i> . <i>Veterinary Parasitology</i> , 2016, 217, 1-6.	0.7	11
97	Dysbiosis of the Fecal Microbiota in Cattle Infected with <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> . <i>PLoS ONE</i> , 2016, 11, e0160353.	1.1	44
98	Effect of feeding <i>Acacia nilotica</i> pod meal on hematobiochemical profile and fecal egg count in goats. <i>Veterinary World</i> , 2016, 9, 1400-1406.	0.7	7
99	A comparison of rumen microbial profiles in dairy cows as retrieved by 454 Roche and Ion Torrent (PGM) sequencing platforms. <i>PeerJ</i> , 2016, 4, e1599.	0.9	17
100	Associative patterns among anaerobic fungi, methanogenic archaea, and bacterial communities in response to changes in diet and age in the rumen of dairy cows. <i>Frontiers in Microbiology</i> , 2015, 6, 781.	1.5	112
101	Molecular evidence of <i>Theileria equi</i> infection in <i>Hyalomma anatolicum</i> ticks infested on sero-positive Indian horses. <i>Acta Parasitologica</i> , 2015, 60, 322-9.	0.4	11
102	Multiplex PCR for detection of <i>Trypanosoma evansi</i> and <i>Theileria equi</i> in equids of Punjab, India. <i>Veterinary Parasitology</i> , 2015, 211, 293-299.	0.7	22
103	A fuzzy time series forecasting method induced by intuitionistic fuzzy sets. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2015, 06, 1550041.	0.9	25
104	Role of live microbial feed supplements with reference to anaerobic fungi in ruminant productivity: A review. <i>Journal of Integrative Agriculture</i> , 2015, 14, 550-560.	1.7	46
105	An A20/AN1-zinc-finger domain containing protein gene in tea is differentially expressed during winter dormancy and in response to abiotic stress and plant growth regulators. <i>Plant Gene</i> , 2015, 1, 1-7.	1.4	12
106	Prospective use of bacteriocinogenic <i>Pediococcus pentosaceus</i> as direct-fed microbial having methane reducing potential. <i>Journal of Integrative Agriculture</i> , 2015, 14, 561-566.	1.7	4
107	Assessment of genetic diversity and plant growth promoting attributes of psychrotolerant bacteria allied with wheat ( <i>Triticum aestivum</i> ) from the northern hills zone of India. <i>Annals of Microbiology</i> , 2015, 65, 1885-1899.	1.1	245
108	Transplacental Transmission of <i>Trypanosoma evansi</i> From Experimentally Infected Donkey Mare to Neonatal Foal. <i>Journal of Equine Veterinary Science</i> , 2015, 35, 337-341.	0.4	8

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109	Expression of SOD and APX genes positively regulates secondary cell wall biosynthesis and promotes plant growth and yield in Arabidopsis under salt stress. <i>Plant Molecular Biology</i> , 2015, 87, 615-631.	2.0	183
110	Complete genome sequence of <i>Arthrobacter</i> sp. ERGS1:01, a putative novel bacterium with prospective cold active industrial enzymes, isolated from East Rathong glacier in India. <i>Journal of Biotechnology</i> , 2015, 214, 139-140.	1.9	37
111	A new anaerobic fungus ( <i>Oontomyces anksri</i> gen. nov., sp. nov.) from the digestive tract of the Indian camel ( <i>Camelus dromedarius</i> ). <i>Fungal Biology</i> , 2015, 119, 731-737.	1.1	71
112	Oxidative Damage Inflicted by <i>Theileria equi</i> on Horse Erythrocytes When Cultured In Vitro by Microaerophilous Stationary Phase Technique. <i>Journal of Equine Veterinary Science</i> , 2015, 35, 763-767.	0.4	7
113	Revolution in Rumen Microbiology. , 2015, , 357-379.		4
114	Genome Assembly of <i>Chryseobacterium polytrichastri</i> ERM1:04, a Psychrotolerant Bacterium with Cold Active Proteases, Isolated from East Rathong Glacier in India. <i>Genome Announcements</i> , 2015, 3, .	0.8	18
115	Comparative efficacy of different in vitro cultivation media for <i>Trypanosoma evansi</i> isolated from different mammalian hosts inhabiting different geographical areas of India. <i>Journal of Parasitic Diseases</i> , 2015, 39, 174-178.	0.4	10
116	Improved callus induction, shoot regeneration, and salt stress tolerance in <i>Arabidopsis</i> overexpressing superoxide dismutase from <i>Potentilla atrosanguinea</i> . <i>Protoplasma</i> , 2015, 252, 41-51.	1.0	24
117	Diagnostic application of recombinant equine merozoite surface antigen-1 in elisa for detection of <i>Theileria equi</i> specific antibodies. <i>Japanese Journal of Veterinary Research</i> , 2015, 63, 129-37.	0.7	2
118	A stress-responsive late embryogenesis abundant protein 7 (CsLEA7) of tea [ <i>Camellia sinensis</i> (L.) O. Kuntze] encodes for a chaperone that imparts tolerance to <i>Escherichia coli</i> against stresses. <i>Molecular Biology Reports</i> , 2014, 41, 7191-7200.	1.0	15
119	Transcriptome sequencing of rhizome tissue of <i>Sinopodophyllum hexandrum</i> at two temperatures. <i>BMC Genomics</i> , 2014, 15, 871.	1.2	35
120	New aspects and strategies for methane mitigation from ruminants. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 31-44.	1.7	120
121	2-Cys peroxiredoxin responds to low temperature and other cues in <i>Caragana jubata</i> , a plant species of cold desert of Himalaya. <i>Molecular Biology Reports</i> , 2014, 41, 2951-2961.	1.0	4
122	The GATA and SORLIP motifs in the 3-hydroxy-3-methylglutaryl-CoA reductase promoter of <i>Picrorhiza kurroa</i> for the control of light-mediated expression. <i>Functional and Integrative Genomics</i> , 2014, 14, 191-203.	1.4	18
123	PROBABILISTIC AND INTUITIONISTIC FUZZY SETSâ€“BASED METHOD FOR FUZZY TIME SERIES FORECASTING. <i>Cybernetics and Systems</i> , 2014, 45, 349-361.	1.6	51
124	Bacterial diversity associated with feeding dry forage at different dietary concentrations in the rumen contents of Mehshana buffalo ( <i>Bubalus bubalis</i> ) using 16S pyrotags. <i>Anaerobe</i> , 2014, 25, 31-41.	1.0	84
125	Copper, zinc superoxide dismutase of <i>Curcuma aromatica</i> is a kinetically stable protein. <i>Process Biochemistry</i> , 2014, 49, 1288-1296.	1.8	28
126	RNA-seq-mediated transcriptome analysis of actively growing and winter dormant shoots identifies non-deciduous habit of evergreen tree tea during winters. <i>Scientific Reports</i> , 2014, 4, 5932.	1.6	52



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127	Bacterial Diversity Dynamics Associated with Different Diets and Different Primer Pairs in the Rumen of Kankrej Cattle. PLoS ONE, 2014, 9, e111710.	1.1	71
128	Dehydrin2 is a stress-inducible, whereas Dehydrin1 is constitutively expressed but up-regulated gene under varied cues in tea [ <i>Camellia sinensis</i> (L.) O. Kuntze]. Molecular Biology Reports, 2013, 40, 3859-3863.	1.0	18
129	Cloning and expression analysis of ten genes associated with picosides biosynthesis in <i>Picrorhiza kurrooa</i> . Gene, 2013, 515, 320-328.	1.0	29
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138	Genome Sequence of <i>Methanobrevibacter</i> sp. Strain JH1, Isolated from Rumen of Korean Native Cattle. Genome Announcements, 2013, 1, .	0.8	20
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148	Partitions based computational method for high-order fuzzy time series forecasting. <i>Expert Systems With Applications</i> , 2012, 39, 12158-12164.	4.4	65
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