

Mrutyunjay Suar

List of Publications by Year in descending order

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Version: 2024-02-01

144
papers

4,951
citations

94433

37
h-index

118850

62
g-index

145
all docs

145
docs citations

145
times ranked

6546
citing authors

#	ARTICLE	IF	CITATIONS
1	Effectiveness of a rural sanitation programme on diarrhoea, soil-transmitted helminth infection, and child malnutrition in Odisha, India: a cluster-randomised trial. <i>The Lancet Global Health</i> , 2014, 2, e645-e653.	6.3	396
2	Like Will to Like: Abundances of Closely Related Species Can Predict Susceptibility to Intestinal Colonization by Pathogenic and Commensal Bacteria. <i>PLoS Pathogens</i> , 2010, 6, e1000711.	4.7	367
3	Cloning and Characterization of lin Genes Responsible for the Degradation of Hexachlorocyclohexane Isomers by <i>Sphingomonas paucimobilis</i> Strain B90. <i>Applied and Environmental Microbiology</i> , 2002, 68, 6021-6028.	3.1	173
4	Polysaccharide-capped silver Nanoparticles inhibit biofilm formation and eliminate multi-drug-resistant bacteria by disrupting bacterial cytoskeleton with reduced cytotoxicity towards mammalian cells. <i>Scientific Reports</i> , 2016, 6, 24929.	3.3	163
5	<i>Mycobacterium tuberculosis</i> Controls MicroRNA-99b (miR-99b) Expression in Infected Murine Dendritic Cells to Modulate Host Immunity. <i>Journal of Biological Chemistry</i> , 2013, 288, 5056-5061.	3.4	146
6	Organization of lin Genes and IS 6100 among Different Strains of Hexachlorocyclohexane-Degrading <i>Sphingomonas paucimobilis</i> : Evidence for Horizontal Gene Transfer. <i>Journal of Bacteriology</i> , 2004, 186, 2225-2235.	2.2	138
7	Structure-based drug designing and immunoinformatics approach for SARS-CoV-2. <i>Science Advances</i> , 2020, 6, eabb8097.	10.3	138
8	Bio-acceptable OD and 1D ZnO nanostructures for cancer diagnostics and treatment. <i>Materials Today</i> , 2021, 50, 533-569.	14.2	95
9	Enantioselective Transformation of α -Hexachlorocyclohexane by the Dehydrochlorinases LinA1 and LinA2 from the Soil Bacterium <i>Sphingomonas paucimobilis</i> B90A. <i>Applied and Environmental Microbiology</i> , 2005, 71, 8514-8518.	3.1	93
10	A network map of Interleukin-10 signaling pathway. <i>Journal of Cell Communication and Signaling</i> , 2016, 10, 61-67.	3.4	85
11	Molecular aspects of core-shell intrinsic defect induced enhanced antibacterial activity of ZnO nanocrystals. <i>Nanomedicine</i> , 2018, 13, 43-68.	3.3	82
12	Solar-photocatalytic disinfection of <i>Vibrio cholerae</i> by using Ag@ZnO core-shell structure nanocomposites. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 142, 68-76.	3.8	79
13	Enhanced biodegradation of hexachlorocyclohexane (HCH) in contaminated soils via inoculation with <i>Sphingobium indicum</i> B90A. <i>Biodegradation</i> , 2008, 19, 27-40.	3.0	71
14	Altered physicochemical properties in industrially synthesized ZnO nanoparticles regulate oxidative stress; induce in vivo cytotoxicity in embryonic zebrafish by apoptosis. <i>Scientific Reports</i> , 2017, 7, 13909.	3.3	71
15	Disinfection of Multidrug Resistant <i>Escherichia coli</i> by Solar-Photocatalysis using Fe-doped ZnO Nanoparticles. <i>Scientific Reports</i> , 2017, 7, 104.	3.3	65
16	Mechanistic insight into the rapid one-step facile biofabrication of antibacterial silver nanoparticles from bacterial release and their biogenicity and concentration-dependent in vitro cytotoxicity to colon cells. <i>RSC Advances</i> , 2017, 7, 40034-40045.	3.6	62
17	<i>Enterobacter bugandensis</i> : a novel enterobacterial species associated with severe clinical infection. <i>Scientific Reports</i> , 2018, 8, 5392.	3.3	61
18	Global Transcriptome and Mutagenic Analyses of the Acid Tolerance Response of <i>Salmonella enterica</i> Serovar Typhimurium. <i>Applied and Environmental Microbiology</i> , 2015, 81, 8054-8065.	3.1	60

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19	Exploring <i>Klebsiella pneumoniae</i> capsule polysaccharide proteins to design multiepitope subunit vaccine to fight against pneumonia. <i>Expert Review of Vaccines</i> , 2022, 21, 569-587.	4.4	60
20	Virulence of Broad- and Narrow-Host-Range <i>Salmonella enterica</i> Serovars in the Streptomycin-Pre-treated Mouse Model. <i>Infection and Immunity</i> , 2006, 74, 632-644.	2.2	58
21	Doped ZnO nanoparticles impregnated on Kaolinite (Clay): A reusable nanocomposite for photocatalytic disinfection of multidrug resistant <i>Enterobacter</i> sp. under visible light. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 610-623.	9.4	57
22	Effect of mutation on structure, function and dynamics of receptor binding domain of human SARS-CoV-2 with host cell receptor ACE2: a molecular dynamics simulations study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 7231-7245.	3.5	56
23	Quantitative Proteomic and Phosphoproteomic Analysis of H37Ra and H37Rv Strains of <i>Mycobacterium tuberculosis</i> . <i>Journal of Proteome Research</i> , 2017, 16, 1632-1645.	3.7	55
24	Salinity and macrophyte drive the biogeography of the sedimentary bacterial communities in a brackish water tropical coastal lagoon. <i>Science of the Total Environment</i> , 2017, 595, 472-485.	8.0	55
25	Multiple etiologies of infectious diarrhea and concurrent infections in a pediatric outpatient-based screening study in Odisha, India. <i>Gut Pathogens</i> , 2017, 9, 16.	3.4	55
26	Cryptosporidium and Giardia in Humans, Domestic Animals, and Village Water Sources in Rural India. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 93, 596-600.	1.4	52
27	Rapid Novel Facile Biosynthesized Silver Nanoparticles From Bacterial Release Induce Biogenicity and Concentration Dependent In Vivo Cytotoxicity With Embryonic Zebrafish: A Mechanistic Insight. <i>Toxicological Sciences</i> , 2018, 161, 125-138.	3.1	50
28	Molecular insights to alkaline based bio-fabrication of silver nanoparticles for inverse cytotoxicity and enhanced antibacterial activity. <i>Materials Science and Engineering C</i> , 2018, 92, 807-818.	7.3	50
29	Molecular Characterization and Designing of a Novel Multiepitope Vaccine Construct Against <i>Pseudomonas aeruginosa</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2022, 28, 49.	1.9	50
30	In vitro evaluation of anti-infective activity of a <i>Lactobacillus plantarum</i> strain against <i>Salmonella enterica</i> serovar Enteritidis. <i>Gut Pathogens</i> , 2013, 5, 11.	3.4	49
31	Designing a novel multi-epitope vaccine to evoke a robust immune response against pathogenic multidrug-resistant <i>Enterococcus faecium</i> bacterium. <i>Gut Pathogens</i> , 2022, 14, .	3.4	48
32	Mechanistic insight into ROS and neutral lipid alteration induced toxicity in the human model with fins (<i>Danio rerio</i>) by industrially synthesized titanium dioxide nanoparticles. <i>Toxicology Research</i> , 2018, 7, 244-257.	2.1	47
33	Mechanistic Insight into Size-Dependent Enhanced Cytotoxicity of Industrial Antibacterial Titanium Oxide Nanoparticles on Colon Cells Because of Reactive Oxygen Species Quenching and Neutral Lipid Alteration. <i>ACS Omega</i> , 2018, 3, 1244-1262.	3.5	46
34	Investigating <i>hsp</i> Gene Expression in Liver of <i>Channa striatus</i> under Heat Stress for Understanding the Upper Thermal Acclimation. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	45
35	Designing an efficient multi-epitope vaccine displaying interactions with diverse HLA molecules for an efficient humoral and cellular immune response to prevent COVID-19 infection. <i>Expert Review of Vaccines</i> , 2020, 19, 871-885.	4.4	45
36	Immunoinformatics and molecular docking studies reveal a novel Multi-Epitope peptide vaccine against pneumonia infection. <i>Vaccine</i> , 2021, 39, 6221-6237.	3.8	45

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37	Mechanistic insight into the disinfection of <i>Salmonella</i> sp. by sun-light assisted sonophotocatalysis using doped ZnO nanoparticles. <i>Chemical Engineering Journal</i> , 2018, 336, 476-488.	12.7	43
38	Whole Genome Sequencing of <i>Mycobacterium tuberculosis</i> Clinical Isolates From India Reveals Genetic Heterogeneity and Region-Specific Variations That Might Affect Drug Susceptibility. <i>Frontiers in Microbiology</i> , 2019, 10, 309.	3.5	41
39	Dynamics of Multiple <i>lin</i> Gene Expression in <i>Sphingomonas paucimobilis</i> B90A in Response to Different Hexachlorocyclohexane Isomers. <i>Applied and Environmental Microbiology</i> , 2004, 70, 6650-6656.	3.1	39
40	Altered electrical properties with controlled copper doping in ZnO nanoparticles infers their cytotoxicity in macrophages by ROS induction and apoptosis. <i>Chemico-Biological Interactions</i> , 2019, 297, 141-154.	4.0	38
41	Determining factors for the nano-biocompatibility of cobalt oxide nanoparticles: proximal discrepancy in intrinsic atomic interactions at differential vicinage. <i>Green Chemistry</i> , 2021, 23, 3439-3458.	9.0	38
42	Genome-based identification and comparative analysis of enzymes for carotenoid biosynthesis in microalgae. <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 8.	3.6	37
43	Deletion of <i>invH</i> gene in <i>Salmonella enterica</i> serovar Typhimurium limits the secretion of Sip effector proteins. <i>Microbes and Infection</i> , 2013, 15, 66-73.	1.9	36
44	Comparative genomics study for identification of drug and vaccine targets in <i>Vibrio cholerae</i> : MurA ligase as a case study. <i>Genomics</i> , 2014, 103, 83-93.	2.9	36
45	The Small RNA DsrA Influences the Acid Tolerance Response and Virulence of <i>Salmonella enterica</i> Serovar Typhimurium. <i>Frontiers in Microbiology</i> , 2016, 7, 599.	3.5	35
46	Biogenic Au@ZnO core-shell nanocomposites kill <i>Staphylococcus aureus</i> without provoking nuclear damage and cytotoxicity in mouse fibroblasts cells under hyperglycemic condition with enhanced wound healing proficiency. <i>Medical Microbiology and Immunology</i> , 2019, 208, 609-629.	4.8	34
47	The Hha-TomB Toxin-Antitoxin System Shows Conditional Toxicity and Promotes Persister Cell Formation by Inhibiting Apoptosis-Like Death in <i>S. Typhimurium</i> . <i>Scientific Reports</i> , 2016, 6, 38204.	3.3	33
48	B and T cell epitope-based peptides predicted from clumping factor protein of <i>Staphylococcus aureus</i> as vaccine targets. <i>Microbial Pathogenesis</i> , 2021, 160, 105171.	2.9	33
49	Immunoinformatic approach employing modeling and simulation to design a novel vaccine construct targeting MDR efflux pumps to confer wide protection against typhoidal <i>Salmonella</i> serovars. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 11809-11821.	3.5	32
50	<i>Streptomyces chilikensis</i> sp. nov., a halophilic streptomycete isolated from brackish water sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2013, 63, 2757-2764.	1.7	30
51	Molecular insight to influential role of Hha-TomB toxin-antitoxin system for antibacterial activity of biogenic silver nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 572-584.	2.8	30
52	The potential of plant-derived secondary metabolites as novel drug candidates against <i>Klebsiella pneumoniae</i> : Molecular docking and simulation investigation. <i>South African Journal of Botany</i> , 2022, 149, 789-797.	2.5	30
53	Cocaine-regulated microRNA miR-124 controls poly (ADP-ribose) polymerase-1 expression in neuronal cells. <i>Scientific Reports</i> , 2020, 10, 11197.	3.3	29
54	Evaluation of <i>Salmonella enterica</i> Serovar Typhimurium TTSS-2 Deficient <i>fur</i> Mutant as Safe Live-Attenuated Vaccine Candidate for Immunocompromised Mice. <i>PLoS ONE</i> , 2012, 7, e52043.	2.5	29

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55	Aurora Borealis in dentistry: The applications of cold plasma in biomedicine. <i>Materials Today Bio</i> , 2022, 13, 100200.	5.5	29
56	Î±-Lipoic acid inhibits the migration and invasion of breast cancer cells through inhibition of TGFÎ² signaling. <i>Life Sciences</i> , 2018, 207, 15-22.	4.3	28
57	Structural and metabolic diversity of rhizosphere microbial communities of <i>Phragmites karka</i> in a tropical coastal lagoon. <i>Applied Soil Ecology</i> , 2018, 125, 202-212.	4.3	27
58	A Novel Phage Element of <i>Salmonella enterica</i> Serovar Enteritidis P125109 Contributes to Accelerated Type III Secretion System 2-Dependent Early Inflammation Kinetics in a Mouse Colitis Model. <i>Infection and Immunity</i> , 2012, 80, 3236-3246.	2.2	26
59	Photo-bioreduction of Ag ⁺ ions towards the generation of multifunctional silver nanoparticles: Mechanistic perspective and therapeutic potential. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 164, 306-313.	3.8	26
60	Etiology, seasonality, and clinical characteristics of respiratory viruses in children with respiratory tract infections in Eastern India (Bhubaneswar, Odisha). <i>Journal of Medical Virology</i> , 2017, 89, 553-558.	5.0	26
61	Accelerated Type III Secretion System 2-Dependent Enteropathogenesis by a <i>Salmonella enterica</i> Serovar Enteritidis PT4/6 Strain. <i>Infection and Immunity</i> , 2009, 77, 3569-3577.	2.2	25
62	Development of a Conserved Chimeric Vaccine for Induction of Strong Immune Response against <i>Staphylococcus aureus</i> Using Immunoinformatics Approaches. <i>Vaccines</i> , 2021, 9, 1038.	4.4	25
63	Live Attenuated <i>S. Typhimurium</i> Vaccine with Improved Safety in Immuno-Compromised Mice. <i>PLoS ONE</i> , 2012, 7, e45433.	2.5	25
64	In Vivo Molecular Toxicity Profile of Dental Bioceramics in Embryonic Zebrafish (<i>Danio rerio</i>). <i>Chemical Research in Toxicology</i> , 2018, 31, 914-923.	3.3	24
65	<i>Streptomyces barkulensis</i> sp. nov., isolated from an estuarine lake. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 1365-1372.	1.7	23
66	Disinfection of the Water Borne Pathogens <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> by Solar Photocatalysis Using Sonochemically Synthesized Reusable Ag@ZnO Core-Shell Nanoparticles. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 747.	2.6	23
67	Molecular nanoinformatics approach assessing the biocompatibility of biogenic silver nanoparticles with channelized intrinsic steatosis and apoptosis. <i>Green Chemistry</i> , 2022, 24, 1190-1210.	9.0	23
68	Phage delivered CRISPR-Cas system to combat multidrug-resistant pathogens in gut microbiome. <i>Biomedicine and Pharmacotherapy</i> , 2022, 151, 113122.	5.6	23
69	Whole Genome Sequencing of <i>Mycobacterium tuberculosis</i> Isolates From Extrapulmonary Sites. <i>OMICS A Journal of Integrative Biology</i> , 2017, 21, 413-425.	2.0	22
70	TTSS2-deficient <i>hha</i> mutant of <i>Salmonella</i> Typhimurium exhibits significant systemic attenuation in immunocompromised hosts. <i>Virulence</i> , 2014, 5, 311-320.	4.4	20
71	Purification and characterization of an extracellular thermo-alkali stable, metal tolerant chitinase from <i>Streptomyces chilikensis</i> RC1830 isolated from a brackish water lake sediment. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 21, e00311.	4.4	20
72	Biological Effects of Green-Synthesized Metal Nanoparticles: A Mechanistic View of Antibacterial Activity and Cytotoxicity. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 145-171.	0.5	20

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73	Selective in vivo molecular and cellular biocompatibility of black peppercorns by piperine-protein intrinsic atomic interaction with elicited oxidative stress and apoptosis in zebrafish eleuthero embryos. <i>Ecotoxicology and Environmental Safety</i> , 2020, 192, 110321.	6.0	20
74	Identification of a novel gene in ROD9 island of <i>Salmonella</i> Enteritidis involved in the alteration of virulence-associated genes expression. <i>Virulence</i> , 2018, 9, 348-362.	4.4	19
75	DBCOPV: A database of coronavirus virulent glycoproteins. <i>Computers in Biology and Medicine</i> , 2021, 129, 104131.	7.0	19
76	Plausible role of bacterial toxin-antitoxin system in persister cell formation and elimination. <i>Molecular Oral Microbiology</i> , 2019, 34, 97-107.	2.7	18
77	In silico comparative genomics analysis of <i>Plasmodium falciparum</i> for the identification of putative essential genes and therapeutic candidates. <i>Journal of Microbiological Methods</i> , 2015, 109, 1-8.	1.6	17
78	Synthesis and characterization of novel polymer-hybrid silver nanoparticles and its biomedical study. <i>Materials Today: Proceedings</i> , 2016, 3, 1949-1957.	1.8	17
79	Functional elucidation of hypothetical proteins associated with lipid accumulation: Prioritizing genetic engineering targets for improved algal biofuel production. <i>Algal Research</i> , 2020, 47, 101887.	4.6	17
80	Targeting DNA Repair through Podophyllotoxin and Rutin Formulation in Hematopoietic Radioprotection: An in Silico, in Vitro, and in Vivo Study. <i>Frontiers in Pharmacology</i> , 2017, 8, 750.	3.5	16
81	A Polyphasic Taxonomic Approach for Designation and Description of Novel Microbial Species. , 2019, , 137-152.		16
82	Prevalence and multidrug resistance in <i>Salmonella enterica</i> Typhimurium: an overview in South East Asia. <i>World Journal of Microbiology and Biotechnology</i> , 2021, 37, 185.	3.6	16
83	Molecular insight to size and dose-dependent cellular toxicity exhibited by a green synthesized bioceramic nanohybrid with macrophages for dental applications. <i>Toxicology Research</i> , 2018, 7, 959-969.	2.1	15
84	Next-Generation Bioinformatics Approaches and Resources for Coronavirus Vaccine Discovery and Development—A Perspective Review. <i>Vaccines</i> , 2021, 9, 812.	4.4	15
85	Ca ²⁺ -dependent Focal Exocytosis of Golgi-derived Vesicles Helps Phagocytic Uptake in Macrophages. <i>Journal of Biological Chemistry</i> , 2017, 292, 5144-5165.	3.4	14
86	Molecular Mechanism of Drug Resistance. , 2017, , 47-110.		14
87	Role of OB-Fold Protein Ydel in Stress Response and Virulence of <i>Salmonella enterica</i> Serovar Enteritidis. <i>Journal of Bacteriology</i> , 2020, 203, .	2.2	14
88	Next-generation computational tools and resources for coronavirus research: From detection to vaccine discovery. <i>Computers in Biology and Medicine</i> , 2021, 128, 104158.	7.0	14
89	Purification and characterization of a novel histone H2A specific protease (H2Asp) from chicken liver nuclear extract. <i>Gene</i> , 2013, 512, 47-54.	2.2	13
90	Nanoparticle-biological interactions: the renaissance of bionomics in the myriad nanomedical technologies. <i>Nanomedicine</i> , 2021, 16, 2249-2254.	3.3	13

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91	In vivo intrinsic atomic interaction infer molecular eco-toxicity of industrial TiO ₂ nanoparticles via oxidative stress channelized steatosis and apoptosis in <i>Paramecium caudatum</i> . <i>Ecotoxicology and Environmental Safety</i> , 2022, 241, 113708.	6.0	13
92	Comparative genomics study for the identification of drug and vaccine targets in <i>Staphylococcus aureus</i> : MurA ligase enzyme as a proposed candidate. <i>Journal of Microbiological Methods</i> , 2014, 101, 1-8.	1.6	12
93	Molecular modeling, simulation and virtual screening of MurD ligase protein from <i>Salmonella typhimurium</i> LT2. <i>Journal of Pharmacological and Toxicological Methods</i> , 2015, 73, 34-41.	0.7	12
94	Tear biomarkers in latanoprost and bimatoprost treated eyes. <i>PLoS ONE</i> , 2018, 13, e0201740.	2.5	12
95	Identification of a new alanine racemase in <i>Salmonella</i> Enteritidis and its contribution to pathogenesis. <i>Gut Pathogens</i> , 2018, 10, 30.	3.4	12
96	<i>Streptomyces chitinivorans</i> sp. nov., a chitinolytic strain isolated from estuarine lake sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3241-3248.	1.7	12
97	<i>Mangrovibacter phragmitis</i> sp. nov., an endophyte isolated from the roots of <i>Phragmites karka</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1228-1234.	1.7	12
98	The expanding targetome of small RNAs in <i>Salmonella</i> Typhimurium. <i>Biochimie</i> , 2017, 137, 69-77.	2.6	11
99	RpoS-regulated <i>SEN1538</i> gene promotes resistance to stress and influences <i>Salmonella enterica</i> serovar enteritidis virulence. <i>Virulence</i> , 2020, 11, 295-314.	4.4	11
100	Theragnostic application of nanoparticle and CRISPR against food-borne multi-drug resistant pathogens. <i>Materials Today Bio</i> , 2022, 15, 100291.	5.5	11
101	The O-antigen negative Δ twbA mutant of <i>Salmonella enterica</i> serovar Enteritidis shows adaptive resistance to antimicrobial peptides and elicits colitis in streptomycin pretreated mouse model. <i>Gut Pathogens</i> , 2015, 7, 24.	3.4	10
102	Biological and regulatory roles of acid-induced small RNA RyeC in <i>Salmonella</i> Typhimurium. <i>Biochimie</i> , 2018, 150, 48-56.	2.6	10
103	Vaccine development for enteric bacterial pathogens: Where do we stand?. <i>Pathogens and Disease</i> , 2018, 76, .	2.0	10
104	The Hha Δ TomB toxin Δ antitoxin module in <i>Salmonella enterica</i> serovar Typhimurium limits its intracellular survival profile and regulates host immune response. <i>Cell Biology and Toxicology</i> , 2022, 38, 111-127.	5.3	10
105	Characterization of Nuclear Glutamate Dehydrogenase of Chicken Liver and Brain. <i>Protein and Peptide Letters</i> , 2011, 18, 1194-1203.	0.9	9
106	<i>Salmonella</i> Typhimurium TTSS-2 deficient mig-14 mutant shows attenuation in immunocompromised mice and offers protection against wild-type <i>Salmonella</i> Typhimurium infection. <i>BMC Microbiology</i> , 2013, 13, 236.	3.3	9
107	Taxonomic description and genome sequence of <i>Halobacillus marinus</i> sp. nov., a novel strain isolated from Chilika Lake, India. <i>Journal of Microbiology</i> , 2018, 56, 223-230.	2.8	9
108	Taxonomic description and draft genome of <i>Pseudomonas sediminis</i> sp. nov., isolated from the rhizospheric sediment of <i>Phragmites karka</i> . <i>Journal of Microbiology</i> , 2018, 56, 458-466.	2.8	9

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109	Spatial analysis of bacteria in brackish lake sediment. International Journal of Sediment Research, 2020, 35, 227-236.	3.5	9
110	Intrinsic atomic interaction at molecular proximal vicinity infer cellular biocompatibility of antibacterial nanopepper. Nanomedicine, 2021, 16, 307-322.	3.3	9
111	Cholera toxin-B (ctxB) antigen expressing Salmonella Typhimurium polyvalent vaccine exerts protective immune response against Vibrio cholerae infection. Vaccine, 2015, 33, 1880-1889.	3.8	8
112	Small RNA in the acid tolerance response of <i>Salmonella</i> and their role in virulence. Virulence, 2015, 6, 105-106.	4.4	7
113	Altered virulence potential of Salmonella Enteritidis cultured in different foods: A cumulative effect of differential gene expression and immunomodulation. International Journal of Food Microbiology, 2016, 230, 64-72.	4.7	7
114	γ H2AX formation kinetics in PBMCs of rabbits exposed to acute and fractionated radiation and attenuation of focus frequency through preadministration of a combination of podophyllotoxin and rutin hydrate. Environmental and Molecular Mutagenesis, 2016, 57, 455-468.	2.2	7
115	<i>Lactobacillus acidophilus</i> binds to MUC3 component of cultured intestinal epithelial cells with highest affinity. FEMS Microbiology Letters, 2016, 363, fnw050.	1.8	7
116	Omics of Food-Borne Gastroenteritis: Global Proteomic and Mutagenic Analysis of <i>Salmonella enterica</i> Serovar Enteritidis. OMICS A Journal of Integrative Biology, 2017, 21, 571-583.	2.0	7
117	Switch to Autophagy the Key Mechanism for Trabecular Meshwork Death in Severe Glaucoma. Clinical Ophthalmology, 2021, Volume 15, 3027-3039.	1.8	7
118	Comparative genomics study of Salmonella Typhimurium LT2 for the identification of putative therapeutic candidates. Journal of Theoretical Biology, 2015, 369, 67-79.	1.7	6
119	Bacteria Generated Antibacterial Gold Nanoparticles and Potential Mechanistic Insight. Journal of Cluster Science, 2015, 26, 1707-1721.	3.3	6
120	Nanotoxicity of Rare Earth Metal Oxide Anchored Graphene Nanohybrid: A Facile Synthesis and In Vitro Cellular Response Studies. Nano, 2015, 10, 1550091.	1.0	6
121	The draft genome sequence of Mangrovibacter sp. strain MP23, an endophyte isolated from the roots of Phragmites karka. Genomics Data, 2016, 9, 128-129.	1.3	6
122	Template-Free Assembly in Living Bacterial Suspension under an External Electric Field. ACS Omega, 2017, 2, 1019-1024.	3.5	6
123	Genome analysis and virulence gene expression profile of a multi drug resistant Salmonella enterica serovar Typhimurium ms202. Gut Pathogens, 2022, 14, .	3.4	6
124	Microbial Biodiversity Study of a Brackish Water Ecosystem in Eastern India. , 2019, , 47-63.		5
125	Hydroxylated β - and γ -Hexachlorocyclohexane metabolites infer influential intrinsic atomic pathways interaction to elicit oxidative stress-induced apoptosis for bio-toxicity. Environmental Research, 2022, 212, 113496.	7.5	5
126	Draft Genome Sequence of Halobacillus sp. Strain KGW1, a Moderately Halophilic and Alkaline Protease-Producing Bacterium Isolated from the Rhizospheric Region of Phragmites karka from Chilika Lake, Odisha, India. Genome Announcements, 2016, 4, .	0.8	4

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127	Green Synthesized Metal Oxide Nanomaterials Photocatalysis in Combating Bacterial Infection. Environmental Chemistry for A Sustainable World, 2020, , 73-86.	0.5	4
128	Controlled nano-particle dyeing of cotton can ensure low cytotoxicity risk with multi-functional property enhancement. Materials Today Chemistry, 2020, 17, 100345.	3.5	4
129	dEMBF v2.0: An Updated Database of Enzymes for Microalgal Biofuel Feedstock. Plant and Cell Physiology, 2020, 61, 1019-1024.	3.1	3
130	Structural investigation on <i>SPI</i> associated <i>Salmonella typhimurium</i> <i>VirG</i> like stress protein that promotes pathogen survival in macrophages. Protein Science, 2022, 31, 835-849.	7.6	3
131	Draft Genome Sequence of <i>Pseudomonas</i> sp. Strain BMS12, a Plant Growth-Promoting and Protease-Producing Bacterium, Isolated from the Rhizosphere Sediment of <i>Phragmites karka</i> of Chilika Lake, India. Genome Announcements, 2016, 4, .	0.8	2
132	A ROD9 island encoded gene in Salmonella Enteritidis plays an important role in acid tolerance response and helps in systemic infection in mice. Virulence, 2020, 11, 247-259.	4.4	2
133	Magnetic nanoparticles: fabrication, characterization, properties, and application for environment sustainability. , 2021, , 33-64.		2
134	The interrelation of COVID-19 and neurological modalities. Neurological Sciences, 2021, 42, 2157-2160.	1.9	2
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