

Ashok Kumar

List of Publications by Year in descending order

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159
papers

4,515
citations

109321

35
h-index

138484

58
g-index

163
all docs

163
docs citations

163
times ranked

4739
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipase catalysis in organic solvents: advantages and applications. <i>Biological Procedures Online</i> , 2016, 18, 2.	2.9	368
2	Lead Phytochemicals for Anticancer Drug Development. <i>Frontiers in Plant Science</i> , 2016, 7, 1667.	3.6	263
3	Affinity fractionation of lymphocytes using a monolithic cryogel. <i>Journal of Immunological Methods</i> , 2003, 283, 185-194.	1.4	163
4	SiO ₂ microparticles with carbon nanotube-derived mesopores as an efficient support for enzyme immobilization. <i>Chemical Engineering Journal</i> , 2019, 359, 1252-1264.	12.7	154
5	Sustainable and green trends in using plant extracts for the synthesis of biogenic metal nanoparticles toward environmental and pharmaceutical advances: A review. <i>Environmental Research</i> , 2021, 202, 111622.	7.5	113
6	Advances in biogas valorization and utilization systems: A comprehensive review. <i>Journal of Cleaner Production</i> , 2020, 273, 123052.	9.3	106
7	Energizing the CO ₂ utilization by chemo-enzymatic approaches and potentiality of carbonic anhydrases: A review. <i>Journal of Cleaner Production</i> , 2020, 247, 119138.	9.3	90
8	Fe ₂ O ₃ yolk-shell particle-based laccase biosensor for efficient detection of 2,6-dimethoxyphenol. <i>Biochemical Engineering Journal</i> , 2018, 132, 1-8.	3.6	85
9	Microbial lipolytic enzymes – promising energy-efficient biocatalysts in bioremediation. <i>Energy</i> , 2020, 192, 116674.	8.8	85
10	Integrated bioprocess for the production and isolation of urokinase from animal cell culture using supermacroporous cryogel matrices. <i>Biotechnology and Bioengineering</i> , 2006, 93, 636-646.	3.3	76
11	An efficient conversion of waste feather keratin into ecofriendly bioplastic film. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 2157-2167.	4.1	76
12	Affinity binding of cells to cryogel adsorbents with immobilized specific ligands: effect of ligand coupling and matrix architecture. <i>Journal of Molecular Recognition</i> , 2005, 18, 84-93.	2.1	74
13	Fenbendazole acts as a moderate microtubule destabilizing agent and causes cancer cell death by modulating multiple cellular pathways. <i>Scientific Reports</i> , 2018, 8, 11926.	3.3	74
14	<i>Spirulina fusiformis</i> provides protection against mercuric chloride induced oxidative stress in Swiss albino mice. <i>Food and Chemical Toxicology</i> , 2007, 45, 2412-2419.	3.6	63
15	Supermacroporous cryogel matrix for integrated protein isolation. <i>Journal of Chromatography A</i> , 2006, 1103, 35-42.	3.7	61
16	Biological methanol production by immobilized <i>Methylocella tundrae</i> using simulated biohydrogen as a feed. <i>Bioresource Technology</i> , 2017, 241, 922-927.	9.6	61
17	SnO ₂ hollow nanotubes: a novel and efficient support matrix for enzyme immobilization. <i>Scientific Reports</i> , 2017, 7, 15333.	3.3	61
18	Synthesis of TiO ₂ /RGO with plasmonic Ag nanoparticles for highly efficient photoelectrocatalytic reduction of CO ₂ to methanol toward the removal of an organic pollutant from the atmosphere. <i>Environmental Pollution</i> , 2021, 281, 116990.	7.5	61

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19	Synthesis of ethyl ferulate in organic medium using celite-immobilized lipase. <i>Bioresource Technology</i> , 2011, 102, 2162-2167.	9.6	59
20	Improved production of lipid contents by cultivating <i>Chlorella pyrenoidosa</i> in heterogeneous organic substrates. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 1969-1978.	4.1	58
21	Immobilization of Xylanase Using a Protein-Inorganic Hybrid System. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 638-644.	2.1	58
22	Chitosan nanofertilizer to foster source activity in maize. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 226-234.	7.5	57
23	Artificial neural network and statistical modelling of biosorptive removal of hexavalent chromium using macroalgal spent biomass. <i>Chemosphere</i> , 2022, 296, 133965.	8.2	53
24	Purification of histidine-tagged single-chain Fv-antibody fragments by metal chelate affinity precipitation using thermoresponsive copolymers. <i>Biotechnology and Bioengineering</i> , 2003, 84, 494-503.	3.3	52
25	Immobilization of a novel cold active esterase onto Fe ₃ O ₄ /cellulose nano-composite enhances catalytic properties. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 488-497.	7.5	50
26	Evaluation of <i>Lemna minor</i> and <i>Chlamydomonas</i> to treat palm oil mill effluent and fertilizer production. <i>Journal of Water Process Engineering</i> , 2017, 17, 229-236.	5.6	45
27	New TiO ₂ -doped Cu ²⁺ /Mg spinel-ferrite-based photocatalyst for degrading highly toxic rhodamine B dye in wastewater. <i>Journal of Hazardous Materials</i> , 2021, 420, 126636.	12.4	45
28	Synthesis of Protein-Inorganic Nanohybrids with Improved Catalytic Properties Using Co ₃ (PO ₄) ₂ . <i>Indian Journal of Microbiology</i> , 2018, 58, 100-104.	2.7	44
29	Cellulose binding domain assisted immobilization of lipase (GSlip-CBD) onto cellulosic nanogel: characterization and application in organic medium. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 1042-1050.	5.0	42
30	ZnS-based quantum dots as photocatalysts for water purification. <i>Journal of Water Process Engineering</i> , 2021, 43, 102217.	5.6	41
31	Palm Oil Mill Effluent as an Environmental Pollutant. , 0, , .		40
32	Insights into polyester plastic biodegradation by carboxyl ester hydrolases. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 359-380.	3.2	39
33	Advanced nanocellulose-based gas barrier materials: Present status and prospects. <i>Chemosphere</i> , 2022, 286, 131891.	8.2	39
34	Evaluation of protective efficacy of <i>Spirulina fusiformis</i> against mercury induced nephrotoxicity in Swiss albino mice. <i>Food and Chemical Toxicology</i> , 2007, 45, 879-887.	3.6	38
35	Synthesis and characterization of cross-linked enzyme aggregates (CLEAs) of thermostable xylanase from <i>Geobacillus thermodenitrificans</i> X1. <i>Process Biochemistry</i> , 2019, 80, 72-79.	3.7	38
36	Biopolymers and nanostructured materials to develop pectinases-based immobilized nano-biocatalytic systems for biotechnological applications. <i>Food Research International</i> , 2021, 140, 109979.	6.2	38

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37	A cold-adapted, solvent and salt tolerant esterase from marine bacterium <i>Psychrobacter pacificensis</i> . <i>International Journal of Biological Macromolecules</i> , 2015, 81, 180-187.	7.5	37
38	An overview of process monitoring for anaerobic digestion. <i>Biosystems Engineering</i> , 2021, 207, 106-119.	4.3	37
39	Industrial applications of immobilized nano-biocatalysts. <i>Bioprocess and Biosystems Engineering</i> , 2022, 45, 237-256.	3.4	37
40	A new peptide (Ruviprase) purified from the venom of <i>Daboia russelii russelii</i> shows potent anticoagulant activity via non-enzymatic inhibition of thrombin and factor Xa. <i>Biochimie</i> , 2014, 105, 149-158.	2.6	35
41	Enhanced nematicidal potential of the chitinase pachi from <i>Pseudomonas aeruginosa</i> in association with Cry21Aa. <i>Scientific Reports</i> , 2015, 5, 14395.	3.3	33
42	Microbial Fuel Cell – A Sustainable Approach for Simultaneous Wastewater Treatment and Energy Recovery. <i>Journal of Water Process Engineering</i> , 2021, 40, 101768.	5.6	32
43	An overview on cellulose-supported semiconductor photocatalysts for water purification. <i>Nanotechnology for Environmental Engineering</i> , 2021, 6, 1.	3.3	32
44	Role of microbes in bioaccumulation of heavy metals in municipal solid waste: Impacts on plant and human being. <i>Environmental Pollution</i> , 2022, 305, 119248.	7.5	32
45	Adsorptive removal of Acid Blue 113 using hydroxyapatite nanoadsorbents synthesized using <i>Peltophorum pterocarpum</i> pod extract. <i>Chemosphere</i> , 2022, 299, 134752.	8.2	32
46	Combined biochar vertical flow and free-water surface constructed wetland system for dormitory sewage treatment and reuse. <i>Science of the Total Environment</i> , 2020, 713, 136404.	8.0	31
47	Preventive effects of β -cryptoxanthin against cadmium-induced oxidative stress in the rat testis. <i>Asian Journal of Andrology</i> , 2016, 18, 920.	1.6	31
48	Evaluation of Lipid Content in Microalgae Biomass Using Palm Oil Mill Effluent (Pome). <i>Jom</i> , 2017, 69, 1361-1367.	1.9	29
49	Removal of beta-lactam antibiotic in water environment by adsorption technique using cationic surfactant functionalized nanosilica rice husk. <i>Environmental Research</i> , 2022, 210, 112943.	7.5	29
50	Integrated catalytic insights into methanol production: Sustainable framework for CO ₂ conversion. <i>Journal of Environmental Management</i> , 2021, 289, 112468.	7.8	28
51	RuBisCo activase – a catalytic chaperone involved in modulating the RuBisCo activity and heat stress-tolerance in wheat. <i>Journal of Plant Biochemistry and Biotechnology</i> , 2019, 28, 63-75.	1.7	26
52	Catalytic potential of a nitrocellulose membrane-immobilized lipase in aqueous and organic media. <i>Journal of Applied Polymer Science</i> , 2012, 124, E37.	2.6	25
53	High throughput synthesis of ethyl pyruvate by employing superparamagnetic iron nanoparticles-bound esterase. <i>Process Biochemistry</i> , 2018, 71, 109-117.	3.7	25
54	Application of response surface method for Total organic carbon reduction in leachate treatment using Fenton process. <i>Environmental Technology and Innovation</i> , 2020, 19, 101009.	6.1	25

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55	Characterization and directed evolution of BliGO, a novel glycine oxidase from <i>Bacillus licheniformis</i> . <i>Enzyme and Microbial Technology</i> , 2016, 85, 12-18.	3.2	24
56	Facile fabrication of chitosan-cl-poly(AA)/ZrPO ₄ nanocomposite for remediation of rhodamine B and antimicrobial activity. <i>Journal of King Saud University - Science</i> , 2020, 32, 1359-1365.	3.5	23
57	Lignin-modifying enzymes: a green and environmental responsive technology for organic compound degradation. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 327-342.	3.2	23
58	Engineered microbes as effective tools for the remediation of polyaromatic aromatic hydrocarbons and heavy metals. <i>Chemosphere</i> , 2022, 306, 135538.	8.2	23
59	EPS bound flavins driven mediated electron transfer in thermophilic <i>Geobacillus</i> sp.. <i>Microbiological Research</i> , 2019, 229, 126324.	5.3	21
60	Scalable Fabrication of Modified Graphene Nanoplatelets as an Effective Additive for Engine Lubricant Oil. <i>Nanomaterials</i> , 2020, 10, 877.	4.1	21
61	Photocatalytic degradation of surface-coated tourmaline-titanium dioxide for self-cleaning of formaldehyde emitted from furniture. <i>Journal of Hazardous Materials</i> , 2021, 420, 126565.	12.4	21
62	Bioprocesses for the recovery of bioenergy and value-added products from wastewater: A review. <i>Journal of Environmental Management</i> , 2021, 300, 113831.	7.8	21
63	Synthesis, antiproliferative, acute toxicity and assessment of antiandrogenic activities of some newly synthesized steroidal lactams. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 2229-2236.	5.5	20
64	Synthesis of Isopropyl Ferulate Using Silica-Immobilized Lipase in an Organic Medium. <i>Enzyme Research</i> , 2011, 2011, 1-8.	1.8	20
65	Anti-inflammatory potential of Î ² -cryptoxanthin against LPS-induced inflammation in mouse Sertoli cells. <i>Reproductive Toxicology</i> , 2016, 60, 148-155.	2.9	20
66	Improved catalytic properties of a serine hydroxymethyl transferase from <i>Idiomarina loihiensis</i> by site directed mutagenesis. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 1216-1223.	7.5	20
67	Highly alkali-stable and cellulase-free xylanases from <i>Fusarium</i> sp. 21 and their application in clarification of orange juice. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 572-580.	7.5	20
68	A sustainable, low-cost carbonaceous hydrochar adsorbent for methylene blue adsorption derived from corncobs. <i>Environmental Research</i> , 2022, 212, 113178.	7.5	20
69	Self-Assembled Co ₃ O ₄ Nanospheres on N-Doped Reduced Graphene Oxide (Co ₃ O ₄ /N-RGO) Bifunctional Electrocatalysts for Cathodic Reduction of CO ₂ and Anodic Oxidation of Organic Pollutants. <i>ACS Applied Energy Materials</i> , 2021, 4, 11408-11418.	5.1	19
70	Polyethylene over magnetite-multiwalled carbon nanotubes for kerosene removal from water. <i>Chemosphere</i> , 2022, 287, 132310.	8.2	19
71	Enzymatic Synthesis of Butyl Ferulate by Silica-Immobilized Lipase in a Non-Aqueous Medium. <i>Journal of Biomaterials and Nanobiotechnology</i> , 2011, 02, 400-408.	0.5	19
72	Effective immobilisation of lipase to enhance esterification potential and reusability. <i>Chemical Papers</i> , 2013, 67, .	2.2	18

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73	Synthesis and characterization of cross linked enzyme aggregates of serine hydroxyl methyltransferase from <i>Idiomarina leihiensis</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 117, 683-690.	7.5	18
74	Improvement of glycine oxidase by DNA shuffling, and site-saturation mutagenesis of F247 residue. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 965-970.	7.5	17
75	Lignin as Potent Industrial Biopolymer: An Introduction. <i>Springer Series on Polymer and Composite Materials</i> , 2020, , 1-15.	0.7	17
76	An Innovative Approach to Immobilize Lipase onto Natural Fiber and its Application for the Synthesis of 2-Octyl Ferulate in an Organic Medium. <i>Current Biotechnology</i> , 2012, 1, 241-248.	0.4	17
77	Bioelectrochemical Detoxification of Phenolic Compounds during Enzymatic Pre-Treatment of Rice Straw. <i>Journal of Microbiology and Biotechnology</i> , 2019, 29, 1760-1768.	2.1	17
78	Photocatalytic transition-metal-oxides-based p-n heterojunction materials: synthesis, sustainable energy and environmental applications, and perspectives. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 129-166.	9.1	17
79	Compositional Difference of the Exopolysaccharides Produced by the Virulent and Virulence-Deficient Strains of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <i>Current Microbiology</i> , 2003, 46, 251-255.	2.2	16
80	Neonatal anoxia leads to time dependent progression of mitochondrial linked apoptosis in rat cortex and associated long term sensorimotor deficits. <i>International Journal of Developmental Neuroscience</i> , 2016, 52, 55-65.	1.6	16
81	Antimicrobial Activity and Phylogenetic Analysis of <i>Streptomyces Parvulus</i> Dosmb-D105 Isolated from the Mangrove Sediments of Andaman Islands. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2016, 63, 27-46.	0.8	15
82	Sodium Dodecyl Sulphate-Supported Nanocomposite as Drug Carrier System for Controlled Delivery of Ondansetron. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 414.	2.6	15
83	Electrocatalytic Activity of rGO/PEDOT-PSS Nanocomposite towards Methanol Oxidation in Alkaline Media. <i>Electroanalysis</i> , 2018, 30, 2131-2144.	2.9	15
84	Keratin Production and Its Applications: Current and Future Perspective. <i>Springer Series on Polymer and Composite Materials</i> , 2019, , 19-34.	0.7	15
85	SSH Analysis of Endosperm Transcripts and Characterization of Heat Stress Regulated Expressed Sequence Tags in Bread Wheat. <i>Frontiers in Plant Science</i> , 2016, 7, 1230.	3.6	14
86	Magnetic Nanocomposites and their Industrial Applications. <i>Nano Hybrids and Composites</i> , 0, 20, 149-172.	0.8	14
87	SRD5A2 gene expression inhibits cell migration and invasion in prostate cancer cell line via F-actin reorganization. <i>Molecular and Cellular Biochemistry</i> , 2015, 408, 15-23.	3.1	13
88	Bioprocess development for efficient conversion of CO ₂ into calcium carbonate using keratin microparticles immobilized <i>Corynebacterium flavescens</i> . <i>Process Biochemistry</i> , 2021, 100, 171-177.	3.7	13
89	Development of iPSC-based clinical trial selection platform for patients with ultrarare diseases. <i>Science Advances</i> , 2022, 8, eabl4370.	10.3	13
90	Improvement of chitinase Pachi with nematicidal activities by random mutagenesis. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 171-176.	7.5	12

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91	Synthesis and studies of thiiazolidinedione–isatin hybrids as α -glucosidase inhibitors for management of diabetes. <i>Future Medicinal Chemistry</i> , 2021, 13, 457-485.	2.3	12
92	Recent advances and emerging trends in (BiO)2CO3 based photocatalysts for environmental remediation: A review. <i>Surfaces and Interfaces</i> , 2021, 25, 101273.	3.0	12
93	An Overview of Nitro Group-Containing Compounds and Herbicides Degradation in Microorganisms. <i>Microorganisms for Sustainability</i> , 2019, , 319-335.	0.7	11
94	Sulforaphane Attenuates Al^{2+} Oligomers Mediated Decrease in Phagocytic Activity of Microglial Cells. <i>Neuroscience</i> , 2020, 429, 225-234.	2.3	11
95	Efficient reduction of CO2 using a novel carbonic anhydrase producing <i>Corynebacterium flavescens</i> . <i>Environmental Engineering Research</i> , 0, , .	2.5	11
96	Incorporation of SiO2 functionalized gC3N4 sheets with TiO2 nanoparticles to enhance the anticorrosion performance of metal specimens in aggressive Cl ⁻ environment. <i>Chemosphere</i> , 2022, 290, 133332.	8.2	11
97	Green synthesis of highly stable zero-valent iron nanoparticles for organic dye treatment using <i>Cleistocalyx operculatus</i> leaf extract. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 25, 100598.	3.3	11
98	Characterization of an L-phosphinothricin resistant glutamine synthetase from <i>Exiguobacterium</i> sp. and its improvement. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3653-3661.	3.6	10
99	Mitochondrial dysfunction in perinatal asphyxia: role in pathogenesis and potential therapeutic interventions. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 4421-4434.	3.1	10
100	Microbial Degradation of Phenolic Compounds. <i>Microorganisms for Sustainability</i> , 2019, , 305-320.	0.7	10
101	Effects of domains modification on the catalytic potential of chitinase from <i>Pseudomonas aeruginosa</i> . <i>International Journal of Biological Macromolecules</i> , 2015, 78, 266-272.	7.5	9
102	Whey peptide-encapsulated silver nanoparticles as a colorimetric and spectrophotometric probe for palladium(II). <i>Mikrochimica Acta</i> , 2019, 186, 763.	5.0	9
103	Keratin: An Introduction. <i>Springer Series on Polymer and Composite Materials</i> , 2019, , 1-18.	0.7	9
104	Lignocellulose-derived monosugars: a review of biomass pre-treating techniques and post-methods to produce sustainable biohydrogen. <i>Biomass Conversion and Biorefinery</i> , 2020, , 1.	4.6	9
105	Emerging chemo-biocatalytic routes for valorization of major greenhouse gases (GHG) into industrial products: A comprehensive review. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 109, 1-20.	5.8	9
106	Mechano-chemical and biological energetics of immobilized enzymes onto functionalized polymers and their applications. <i>Bioengineered</i> , 2022, 13, 10518-10539.	3.2	9
107	Poly-NIPAM/Fe3O4/multiwalled carbon nanotube nanocomposites for kerosene removal from water. <i>Environmental Pollution</i> , 2022, 306, 119372.	7.5	9
108	Asn336 is involved in the substrate affinity of glycine oxidase from <i>Bacillus cereus</i> . <i>Electronic Journal of Biotechnology</i> , 2016, 22, 26-30.	2.2	8

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109	Tempol (4 hydroxy-tempo) inhibits anoxia-induced progression of mitochondrial dysfunction and associated neurobehavioral impairment in neonatal rats. <i>Journal of the Neurological Sciences</i> , 2017, 375, 58-67.	0.6	8
110	Microalgal Biotechnology Application Towards Environmental Sustainability. , 2019, , 445-465.		8
111	A hybrid chemo-biocatalytic system of carbonic anhydrase submerged in CO ₂ -phillic sterically hindered amines for enhanced CO ₂ capture and conversion into carbonates. <i>International Journal of Greenhouse Gas Control</i> , 2021, 111, 103465.	4.6	8
112	Synthesis, antiproliferative activity, acute toxicity and assessment of the antiandrogenic activities of new androstane derivatives. <i>Archives of Pharmacal Research</i> , 2011, 34, 1055-1063.	6.3	7
113	Pyrimidine and Pyrazole Linked Azetidinones: Entry to Novel Class of β -Lactam Heterocycles. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 2297-2306.	2.6	7
114	Characterization and improved properties of Glutamine synthetase from <i>Providencia vermicola</i> by site-directed mutagenesis. <i>Scientific Reports</i> , 2018, 8, 15640.	3.3	7
115	Polypropylene as a selective support for the immobilization of lipolytic enzymes: hyperactivation, purification and biotechnological applications. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 436-445.	3.2	7
116	Generation patterns and consumer behavior of single-use plastic towards plastic-free university campuses. <i>Chemosphere</i> , 2022, 291, 133059.	8.2	7
117	Biopolymers and Environment. <i>Springer Series on Polymer and Composite Materials</i> , 2022, , 19-33.	0.7	7
118	17-Oximino-5-androsten-3 β -yl esters: synthesis, antiproliferative activity, acute toxicity, and effect on serum androgen level. <i>Medicinal Chemistry Research</i> , 2011, 20, 817-825.	2.4	6
119	2,4 Dinitrophenol Attenuates Mitochondrial Dysfunction and Improves Neurobehavioral Outcomes Postanoxia in Neonatal Rats. <i>Neurotoxicity Research</i> , 2018, 34, 121-136.	2.7	6
120	Production of n-Propyl Cinnamate (Musty Vine Amber Flavor) by Lipase Catalysis in a Non-Aqueous Medium. <i>Current Biotechnology</i> , 2012, 1, 234-240.	0.4	6
121	Emerging trends in environmental and industrial applications of marine carbonic anhydrase: a review. <i>Bioprocess and Biosystems Engineering</i> , 2022, 45, 431-451.	3.4	6
122	Nanotechnology in paper and wood engineering: an introduction. , 2022, , 3-13.		6
123	Ameliorations in dyslipidemia and atherosclerotic plaque by the inhibition of HMG-CoA reductase and antioxidant potential of phytoconstituents of an aqueous seed extract of <i>Acacia senegal</i> (L.) Willd in rabbits. <i>PLoS ONE</i> , 2022, 17, e0264646.	2.5	6
124	Enzyme mediated transformation of CO ₂ into calcium carbonate using purified microbial carbonic anhydrase. <i>Environmental Research</i> , 2022, 212, 113538.	7.5	6
125	Surveillance of omicron variants through wastewater epidemiology: Latest developments in environmental monitoring of pandemic. <i>Science of the Total Environment</i> , 2022, 843, 156724.	8.0	6
126	In Vitro and In Silico Toxicological Properties of Natural Antioxidant Therapeutic Agent <i>Azima tetracantha</i> . <i>LAM. Antioxidants</i> , 2021, 10, 1307.	5.1	5

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127	Synthesis of Methyl Succinate by Natural-Fibre Immobilized Lipase of <i>Streptomyces</i> sp. STL-D8. <i>Current Biotechnology</i> , 2014, 3, 152-156.	0.4	5
128	A Quantitative Proteomics Approach to Gain Insight into NRF2-KEAP1 Skeletal Muscle System and Its Cysteine Redox Regulation. <i>Genes</i> , 2021, 12, 1655.	2.4	5
129	Mitigation of hazards and risks of emerging pollutants through innovative treatment techniques of post methanated distillery effluent - A review. <i>Chemosphere</i> , 2022, 300, 134586.	8.2	5
130	Major Source of Marine Actinobacteria and Its Biomedical Application. , 2017, , 55-82.		4
131	Serological evidence of anti- <i>Leptospira</i> antibodies in goats in various agro climatic zones of India. <i>Small Ruminant Research</i> , 2018, 169, 74-80.	1.2	4
132	Microalgae Cultivation Using Various Sources of Organic Substrate for High Lipid Content. <i>Green Energy and Technology</i> , 2019, , 893-898.	0.6	4
133	A GIS-based tool for the analysis of the distribution and abundance of <i>Chilo sacchariphagus indicus</i> under the influence of biotic and abiotic factors. <i>Environmental Technology and Innovation</i> , 2021, 21, 101357.	6.1	4
134	Stereoselective synthesis and <i>in-silico</i> evaluation of C4-benzimidazolyloxyphenyl substituted <i>trans</i> - β -lactam derivatives as promising novel PPAR β activators. <i>Synthetic Communications</i> , 2021, 51, 3758-3767.	2.1	4
135	Probiotics and Their Potential Applications: An Introduction. <i>Microorganisms for Sustainability</i> , 2021, , 1-26.	0.7	4
136	Effective adsorption of diclofenac and naproxen from water using fixed-bed column loaded with composite of heavy sugarcane ash and polyethylene terephthalate. <i>Environmental Research</i> , 2022, 211, 112971.	7.5	4
137	Recent Advances in Enzymatic Conversion of Carbon Dioxide into Value-Added Product. <i>Energy, Environment, and Sustainability</i> , 2021, , 313-326.	1.0	3
138	Progresses in Bioenergy Generation from CO ₂ : Mitigating the Climate Change. <i>Energy, Environment, and Sustainability</i> , 2021, , 297-312.	1.0	3
139	<i>In-silico</i> immunoinformatic analysis of SARS-CoV-2 virus for the development of putative vaccine construct. <i>Immunobiology</i> , 2021, 226, 152134.	1.9	3
140	Let's Protect Our Earth: Environmental Challenges and Implications. <i>Microorganisms for Sustainability</i> , 2019, , 1-10.	0.7	3
141	Production and Characterization of Cross-Linked Aggregates of <i>Geobacillus thermoleovorans</i> CCR11 Thermoalkaliphilic Recombinant Lipase. <i>Molecules</i> , 2021, 26, 7569.	3.8	3
142	Transforming Wastes into High Value-Added Products: An Introduction. <i>Springer Series on Polymer and Composite Materials</i> , 2022, , 1-18.	0.7	3
143	Screening of microbial metabolites and bioactive components. , 2014, , 9-42.		2
144	Utility of Detecting <i>sof</i> Gene as Evidence of <i>Streptococcus pyogenes</i> Infection in Acute Rheumatic Fever. <i>Indian Pediatrics</i> , 2019, 56, 311-313.	0.4	2

#	ARTICLE	IF	CITATIONS
145	Microbial Exopolysaccharides: An Introduction. Springer Series on Polymer and Composite Materials, 2021, , 1-18.	0.7	2
146	Evaluation of cell wall-associated direct extracellular electron transfer in thermophilic <i>Geobacillus</i> sp.. 3 Biotech, 2021, 11, 383.	2.2	2
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152	Functional Characterization and Structural Modelling of Peptidoglycan Degrading Î²-N-acetyl-glucosaminidase from a Dental Isolate of <i>Serratia marcescens</i> . Combinatorial Chemistry and High Throughput Screening, 2021, 24, 1514-1526.	1.1	0
153	Plant-Microbe Interaction for Sustainable Agriculture. , 2021, , 1-10.		0
154	RT PCR Data Plagiarism Their Ignorance and Impact. MOJ Cell Science & Report, 2016, 3, .	0.1	0
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159	Utility of Detecting <i>sof</i> Gene as Evidence of <i>Streptococcus pyogenes</i> Infection in Acute Rheumatic Fever. Indian Pediatrics, 2019, 56, 311-313.	0.4	0