

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
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163
all docs

163
docs citations

163
times ranked

4739
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Insights into polyester plastic biodegradation by carboxyl ester hydrolases. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 359-380.	3.2	39
3	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
4	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
5	Industrial applications of immobilized nano-biocatalysts. <i>Bioprocess and Biosystems Engineering</i> , 2022, 45, 237-256.	3.4	37
6	Advanced nanocellulose-based gas barrier materials: Present status and prospects. <i>Chemosphere</i> , 2022, 286, 131891.	8.2	39
7	Polyethylene over magnetite-multiwalled carbon nanotubes for kerosene removal from water. <i>Chemosphere</i> , 2022, 287, 132310.	8.2	19
8	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
9	Generation patterns and consumer behavior of single-use plastic towards plastic-free university campuses. <i>Chemosphere</i> , 2022, 291, 133059.	8.2	7
10	Incorporation of SiO ₂ functionalized gC ₃ N ₄ sheets with TiO ₂ nanoparticles to enhance the anticorrosion performance of metal specimens in aggressive Cl ⁻ environment. <i>Chemosphere</i> , 2022, 290, 133332.	8.2	11
11	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
12	Nanobiocatalysis: an introduction. , 2022, , 3-15.		0
13	Nanotechnology in paper and wood engineering: an introduction. , 2022, , 3-13.		6
14	Microbial enzymes for green energy and clean environment. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 325-326.	3.2	0
15	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
16	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
17	A sustainable, low-cost carbonaceous hydrochar adsorbent for methylene blue adsorption derived from corncobs. <i>Environmental Research</i> , 2022, 212, 113178.	7.5	20
18	Development of iPSC-based clinical trial selection platform for patients with ultrarare diseases. <i>Science Advances</i> , 2022, 8, eabl4370.	10.3	13

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19	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
20	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
21	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
22	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
23	Mechano-chemical and biological energetics of immobilized enzymes onto functionalized polymers and their applications. <i>Bioengineered</i> , 2022, 13, 10518-10539.	3.2	9
24	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
25	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
26	Poly-NIPAM/Fe ₃ O ₄ /multiwalled carbon nanotube nanocomposites for kerosene removal from water. <i>Environmental Pollution</i> , 2022, 306, 119372.	7.5	9
27	Biopolymers and Environment. Springer Series on Polymer and Composite Materials, 2022, , 19-33.	0.7	7
28	Transforming Wastes into High Value-Added Products: An Introduction. Springer Series on Polymer and Composite Materials, 2022, , 1-18.	0.7	3
29	Enzyme mediated transformation of CO ₂ into calcium carbonate using purified microbial carbonic anhydrase. <i>Environmental Research</i> , 2022, 212, 113538.	7.5	6
30	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
31	Engineered microbes as effective tools for the remediation of polyaromatic aromatic hydrocarbons and heavy metals. <i>Chemosphere</i> , 2022, 306, 135538.	8.2	23
32	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
33	Bioprocess development for efficient conversion of CO ₂ into calcium carbonate using keratin microparticles immobilized <i>Corynebacterium flavescentis</i> . <i>Process Biochemistry</i> , 2021, 100, 171-177.	3.7	13
34	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
35	Microbial Exopolysaccharides: An Introduction. Springer Series on Polymer and Composite Materials, 2021, , 1-18.	0.7	2
36	Recent Advances in Enzymatic Conversion of Carbon Dioxide into Value-Added Product. <i>Energy, Environment, and Sustainability</i> , 2021, , 313-326.	1.0	3

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37	Progresses in Bioenergy Generation from CO ₂ : Mitigating the Climate Change. Energy, Environment, and Sustainability, 2021, , 297-312.	1.0	3
38	A GIS-based tool for the analysis of the distribution and abundance of Chilo sacchariphagus indicus under the influence of biotic and abiotic factors. Environmental Technology and Innovation, 2021, 21, 101357.	6.1	4
39	Synthesis and studies of ̂thiazolidinedione ̂isatin hybrids as ̂-glucosidase inhibitors for management of diabetes. Future Medicinal Chemistry, 2021, 13, 457-485.	2.3	12
40	Integrated catalytic insights into methanol production: Sustainable framework for CO ₂ conversion. Journal of Environmental Management, 2021, 289, 112468.	7.8	28
41	An overview of process monitoring for anaerobic digestion. Biosystems Engineering, 2021, 207, 106-119.	4.3	37
42	Functional Characterization and Structural Modelling of Peptidoglycan Degrading ̂ ² -N-acetyl-glucosaminidase from a Dental Isolate of Serratia marcescens. Combinatorial Chemistry and High Throughput Screening, 2021, 24, 1514-1526.	1.1	0
43	An overview on cellulose-supported semiconductor photocatalysts for water purification. Nanotechnology for Environmental Engineering, 2021, 6, 1.	3.3	32
44	Evaluation of cell wall-associated direct extracellular electron transfer in thermophilic Geobacillus sp.. 3 Biotech, 2021, 11, 383.	2.2	2
45	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. Environmental Pollution, 2021, 281, 116990.	7.5	61
46	In Vitro and In Silico Toxicological Properties of Natural Antioxidant Therapeutic Agent Azima tetracantha. LAM. Antioxidants, 2021, 10, 1307.	5.1	5
47	Recent advances and emerging trends in (BiO) ₂ CO ₃ based photocatalysts for environmental remediation: A review. Surfaces and Interfaces, 2021, 25, 101273.	3.0	12
48	Mitochondrial dysfunction in perinatal asphyxia: role in pathogenesis and potential therapeutic interventions. Molecular and Cellular Biochemistry, 2021, 476, 4421-4434.	3.1	10
49	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. ACS Applied Energy Materials, 2021, 4, 11408-11418.	5.1	19
50	Plant-Microbe Interaction for Sustainable Agriculture. , 2021, , 1-10.		0
51	In-silico immunoinformatic analysis of SARS-CoV-2 virus for the development of putative vaccine construct. Immunobiology, 2021, 226, 152134.	1.9	3
52	ZnS-based quantum dots as photocatalysts for water purification. Journal of Water Process Engineering, 2021, 43, 102217.	5.6	41
53	New TiO ₂ -doped Cu ̂Mg spinel-ferrite-based photocatalyst for degrading highly toxic rhodamine B dye in wastewater. Journal of Hazardous Materials, 2021, 420, 126636.	12.4	45
54	Photocatalytic degradation of surface-coated tourmaline-titanium dioxide for self-cleaning of formaldehyde emitted from furniture. Journal of Hazardous Materials, 2021, 420, 126565.	12.4	21

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55	A hybrid chemo-biocatalytic system of carbonic anhydrase submerged in CO ₂ -philic 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
56	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
57	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
58	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
59	Stereoselective synthesis and <i>in-silico</i> evaluation of C4-benzimidazoloxypheyl substituted <i>trans</i> - β -lactam derivatives as promising novel PPAR β activators. <i>Synthetic Communications</i> , 2021, 51, 3758-3767.	2.1	4
60	Probiotics and Their Potential Applications: An Introduction. <i>Microorganisms for Sustainability</i> , 2021, , 1-26.	0.7	4
61	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
62	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
63	Chitosan nanofertilizer to foster source activity in maize. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 226-234.	7.5	57
64	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
65	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
66	Microbial lipolytic enzymes – promising energy-efficient biocatalysts in bioremediation. <i>Energy</i> , 2020, 192, 116674.	8.8	85
67	Advances in biogas valorization and utilization systems: A comprehensive review. <i>Journal of Cleaner Production</i> , 2020, 273, 123052.	9.3	106
68	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
69	In-silico analysis of peptidoglycan hydrolases from <i>Serratia marcescens</i> and other <i>Serratia</i> species. <i>International Journal of Computational Biology and Drug Design</i> , 2020, 13, 282.	0.3	0
70	Scalable Fabrication of Modified Graphene Nanoplatelets as an Effective Additive for Engine Lubricant Oil. <i>Nanomaterials</i> , 2020, 10, 877.	4.1	21
71	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
72	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

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73	Lignin as Potent Industrial Biopolymer: An Introduction. Springer Series on Polymer and Composite Materials, 2020, , 1-15.	0.7	17
74	Sulforaphane Attenuates A β 2 Oligomers Mediated Decrease in Phagocytic Activity of Microglial Cells. Neuroscience, 2020, 429, 225-234.	2.3	11
75	RuBisCo activase a catalytic chaperone involved in modulating the RuBisCo activity and heat stress-tolerance in wheat. Journal of Plant Biochemistry and Biotechnology, 2019, 28, 63-75.	1.7	26
76	Improved production of lipid contents by cultivating Chlorella pyrenoidosa in heterogeneous organic substrates. Clean Technologies and Environmental Policy, 2019, 21, 1969-1978.	4.1	58
77	Whey peptide-encapsulated silver nanoparticles as a colorimetric and spectrophotometric probe for palladium(II). Mikrochimica Acta, 2019, 186, 763.	5.0	9
78	EPS bound flavins driven mediated electron transfer in thermophilic Geobacillus sp.. Microbiological Research, 2019, 229, 126324.	5.3	21
79	Synthesis and characterization of cross-linked enzyme aggregates (CLEAs) of thermostable xylanase from Geobacillus thermodenitrificans X1. Process Biochemistry, 2019, 80, 72-79.	3.7	38
80	An Overview of Nitro Group-Containing Compounds and Herbicides Degradation in Microorganisms. Microorganisms for Sustainability, 2019, , 319-335.	0.7	11
81	Microalgal Biotechnology Application Towards Environmental Sustainability. , 2019, , 445-465.		8
82	Utility of Detecting sof Gene as Evidence of Streptococcus pyogenes Infection in Acute Rheumatic Fever. Indian Pediatrics, 2019, 56, 311-313.	0.4	2
83	Myxococcus xanthus truncated globin HbO: in silico analysis and functional characterization. Molecular Biology Reports, 2019, 46, 2101-2110.	2.3	0
84	Microalgae Cultivation Using Various Sources of Organic Substrate for High Lipid Content. Green Energy and Technology, 2019, , 893-898.	0.6	4
85	SiO2 microparticles with carbon nanotube-derived mesopores as an efficient support for enzyme immobilization. Chemical Engineering Journal, 2019, 359, 1252-1264.	12.7	154
86	Keratin Production and Its Applications: Current and Future Perspective. Springer Series on Polymer and Composite Materials, 2019, , 19-34.	0.7	15
87	Keratin: An Introduction. Springer Series on Polymer and Composite Materials, 2019, , 1-18.	0.7	9
88	Microbial Degradation of Phenolic Compounds. Microorganisms for Sustainability, 2019, , 305-320.	0.7	10
89	Bioelectrochemical Detoxification of Phenolic Compounds during Enzymatic Pre-Treatment of Rice Straw. Journal of Microbiology and Biotechnology, 2019, 29, 1760-1768.	2.1	17
90	Let's Protect Our Earth: Environmental Challenges and Implications. Microorganisms for Sustainability, 2019, , 1-10.	0.7	3

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91	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	0
92	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
93	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
94	Synthesis of Protein-Inorganic Nanohybrids with Improved Catalytic Properties Using $\text{Co}_3(\text{PO}_4)_2$. <i>Indian Journal of Microbiology</i> , 2018, 58, 100-104.	2.7	44
95	Fe_2O_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
96	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
97	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
98	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
99	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
100	High throughput synthesis of ethyl pyruvate by employing superparamagnetic iron nanoparticles-bound esterase. <i>Process Biochemistry</i> , 2018, 71, 109-117.	3.7	25
101	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
102	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
103	Electrocatalytic Activity of rGO/PEDOT-PSS Nanocomposite towards Methanol Oxidation in Alkaline Media. <i>Electroanalysis</i> , 2018, 30, 2131-2144.	2.9	15
104	Immobilization of Xylanase Using a Protein-Inorganic Hybrid System. <i>Journal of Microbiology and Biotechnology</i> , 2018, 28, 638-644.	2.1	58
105	Natural Language Processing and Unsupervised Learning: Its Significance on Biomedical Literature. <i>International Journal of Current Research and Review (discontinued)</i> , 2018, 10, 9-15.	0.1	0
106	Pyrimidine and Pyrazole Linked Azetidines: Entry to Novel Class of β -Lactam Heterocycles. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 2297-2306.	2.6	7
107	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
108	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

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109	Evaluation of Lemna minor and Chlamydomonas to treat palm oil mill effluent and fertilizer production. Journal of Water Process Engineering, 2017, 17, 229-236.	5.6	45
110	Major Source of Marine Actinobacteria and Its Biomedical Application. , 2017, , 55-82.		4
111	Evaluation of Lipid Content in Microalgae Biomass Using Palm Oil Mill Effluent (Pome). Jom, 2017, 69, 1361-1367.	1.9	29
112	Biological methanol production by immobilized Methylocella tundrae using simulated biohythane as a feed. Bioresource Technology, 2017, 241, 922-927.	9.6	61
113	Improvement of chitinase Pachi with nematicidal activities by random mutagenesis. International Journal of Biological Macromolecules, 2017, 96, 171-176.	7.5	12
114	SnO ₂ hollow nanotubes: a novel and efficient support matrix for enzyme immobilization. Scientific Reports, 2017, 7, 15333.	3.3	61
115	Text-Mining Applications for Creation of Biofilm Literature Database. Canadian Journal of Biotechnology, 2017, 1, 24-24.	0.3	0
116	SSH Analysis of Endosperm Transcripts and Characterization of Heat Stress Regulated Expressed Sequence Tags in Bread Wheat. Frontiers in Plant Science, 2016, 7, 1230.	3.6	14
117	Lead Phytochemicals for Anticancer Drug Development. Frontiers in Plant Science, 2016, 7, 1667.	3.6	263
118	Antimicrobial Activity and Phylogenetic Analysis of Streptomyces Parvulus Dosmb-D105 Isolated from the Mangrove Sediments of Andaman Islands. Acta Microbiologica Et Immunologica Hungarica, 2016, 63, 27-46.	0.8	15
119	Molecular Analysis of VP7 Gene of Rotavirus G1 Strains Isolated from North India. Current Microbiology, 2016, 73, 781-789.	2.2	1
120	Asn336 is involved in the substrate affinity of glycine oxidase from Bacillus cereus. Electronic Journal of Biotechnology, 2016, 22, 26-30.	2.2	8
121	Neonatal anoxia leads to time dependent progression of mitochondrial linked apoptosis in rat cortex and associated long term sensorimotor deficits. International Journal of Developmental Neuroscience, 2016, 52, 55-65.	1.6	16
122	Lipase catalysis in organic solvents: advantages and applications. Biological Procedures Online, 2016, 18, 2.	2.9	368
123	Anti-inflammatory potential of β -cryptoxanthin against LPS-induced inflammation in mouse Sertoli cells. Reproductive Toxicology, 2016, 60, 148-155.	2.9	20
124	Immobilization of a novel cold active esterase onto Fe ₃ O ₄ /cellulose nano-composite enhances catalytic properties. International Journal of Biological Macromolecules, 2016, 87, 488-497.	7.5	50
125	Characterization and directed evolution of BliGO, a novel glycine oxidase from Bacillus licheniformis. Enzyme and Microbial Technology, 2016, 85, 12-18.	3.2	24
126	Text Mining and Network Analysis for Discovery of Novel Genes Associated with Staphylococcus Biofilms. MOJ Proteomics & Bioinformatics, 2016, 4, .	0.1	1

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127	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
128	RT PCR Data Plagiarism Their Ignorance and Impact. <i>MOJ Cell Science & Report</i> , 2016, 3, .	0.1	0
129	Enhanced nematocidal potential of the chitinase pachi from <i>Pseudomonas aeruginosa</i> in association with Cry21Aa. <i>Scientific Reports</i> , 2015, 5, 14395.	3.3	33
130	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
131	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
132	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
133	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
134	Cellulose binding domain assisted immobilization of lipase (GSlip α -CBD) onto cellulosic nanogel: characterization and application in organic medium. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 1042-1050.	5.0	42
135	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
136	Screening of microbial metabolites and bioactive components. , 2014, , 9-42.		2
137	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
138	Effective immobilisation of lipase to enhance esterification potential and reusability. <i>Chemical Papers</i> , 2013, 67, .	2.2	18
139	Catalytic potential of a nitrocellulose membrane α -immobilized lipase in aqueous and organic media. <i>Journal of Applied Polymer Science</i> , 2012, 124, E37.	2.6	25
140	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
141	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
142	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
143	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
144	Synthesis of ethyl ferulate in organic medium using celite-immobilized lipase. <i>Bioresource Technology</i> , 2011, 102, 2162-2167.	9.6	59

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145	Synthesis of Isopropyl Ferulate Using Silica-Immobilized Lipase in an Organic Medium. <i>Enzyme Research</i> , 2011, 2011, 1-8.	1.8	20
146	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
147	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
148	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
149	<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
150	Supermacroporous cryogel matrix for integrated protein isolation. <i>Journal of Chromatography A</i> , 2006, 1103, 35-42.	3.7	61
151	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
152	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
153	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
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