

# Hafiz M N Iqbal

## List of Publications by Year in descending order

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Version: 2024-02-01

532  
papers

23,845  
citations

7087

78  
h-index

17580

121  
g-index

543  
all docs

543  
docs citations

543  
times ranked

20598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmentally-related contaminants of high concern: Potential sources and analytical modalities for detection, quantification, and treatment. <i>Environment International</i> , 2019, 122, 52-66.	4.8	503
2	Emerging contaminants of high concern and their enzyme-assisted biodegradation – A review. <i>Environment International</i> , 2019, 124, 336-353.	4.8	338
3	Immobilized ligninolytic enzymes: An innovative and environmental responsive technology to tackle dye-based industrial pollutants – A review. <i>Science of the Total Environment</i> , 2017, 576, 646-659.	3.9	321
4	Magnetic nanoparticles as versatile carriers for enzymes immobilization: A review. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 2530-2544.	3.6	311
5	Biosorption: An Interplay between Marine Algae and Potentially Toxic Elements – A Review. <i>Marine Drugs</i> , 2018, 16, 65.	2.2	308
6	Fluorescent sensor based models for the detection of environmentally-related toxic heavy metals. <i>Science of the Total Environment</i> , 2018, 615, 476-485.	3.9	303
7	Lignocellulose: A sustainable material to produce value-added products with a zero waste approach – A review. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 308-318.	3.6	294
8	Bio-based active food packaging materials: Sustainable alternative to conventional petrochemical-based packaging materials. <i>Food Research International</i> , 2020, 137, 109625.	2.9	282
9	Green biosynthesis of silver nanoparticles using leaves extract of <i>Artemisia vulgaris</i> and their potential biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 408-415.	2.5	251
10	Emergent contaminants: Endocrine disruptors and their laccase-assisted degradation – A review. <i>Science of the Total Environment</i> , 2018, 612, 1516-1531.	3.9	248
11	Naturally-derived biopolymers: Potential platforms for enzyme immobilization. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 462-482.	3.6	241
12	Nanotherapeutics: An insight into healthcare and multi-dimensional applications in medical sector of the modern world. <i>Biomedicine and Pharmacotherapy</i> , 2018, 97, 1521-1537.	2.5	223
13	Hazardous contaminants in the environment and their laccase-assisted degradation – A review. <i>Journal of Environmental Management</i> , 2019, 234, 253-264.	3.8	216
14	Laccases and peroxidases: The smart, greener and futuristic biocatalytic tools to mitigate recalcitrant emerging pollutants. <i>Science of the Total Environment</i> , 2020, 714, 136572.	3.9	200
15	Multi-point enzyme immobilization, surface chemistry, and novel platforms: a paradigm shift in biocatalyst design. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 202-219.	5.1	199
16	Algal biorefinery: A sustainable approach to valorize algal-based biomass towards multiple product recovery. <i>Bioresource Technology</i> , 2019, 278, 346-359.	4.8	198
17	Mitigation of environmental pollution by genetically engineered bacteria – Current challenges and future perspectives. <i>Science of the Total Environment</i> , 2019, 667, 444-454.	3.9	197
18	Recent trends and valorization of immobilization strategies and ligninolytic enzymes by industrial biotechnology. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 101, 56-66.	1.8	195

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19	Endogenous and Exogenous Stimuli-Responsive Drug Delivery Systems for Programmed Site-Specific Release. <i>Molecules</i> , 2019, 24, 1117.	1.7	188
20	Plastic waste and its management strategies for environmental sustainability. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100142.	2.9	186
21	Alkali and enzymatic delignification of sugarcane bagasse to expose cellulose polymers for saccharification and bio-ethanol production. <i>Industrial Crops and Products</i> , 2013, 44, 488-495.	2.5	185
22	Biotransformation of lignocellulosic materials into value-added products—A review. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 447-458.	3.6	183
23	Antibiotics traces in the aquatic environment: persistence and adverse environmental impact. <i>Current Opinion in Environmental Science and Health</i> , 2020, 13, 68-74.	2.1	179
24	Anthropogenic contaminants of high concern: Existence in water resources and their adverse effects. <i>Science of the Total Environment</i> , 2019, 690, 1068-1088.	3.9	176
25	Green tea ( <i>Camellia sinensis</i> ) and L-theanine: Medicinal values and beneficial applications in humans—A comprehensive review. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 1260-1275.	2.5	175
26	Persistence of pesticides-based contaminants in the environment and their effective degradation using laccase-assisted biocatalytic systems. <i>Science of the Total Environment</i> , 2019, 695, 133896.	3.9	175
27	Bio-based materials with novel characteristics for tissue engineering applications — A review. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 837-846.	3.6	168
28	Chemical, physical, and biological coordination: An interplay between materials and enzymes as potential platforms for immobilization. <i>Coordination Chemistry Reviews</i> , 2019, 388, 1-23.	9.5	167
29	Biomarkers in Stress Related Diseases/Disorders: Diagnostic, Prognostic, and Therapeutic Values. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 91.	1.6	161
30	Environmental impact and pollution-related challenges of renewable wind energy paradigm — A review. <i>Science of the Total Environment</i> , 2019, 683, 436-444.	3.9	156
31	Organs-on-a-Chip Module: A Review from the Development and Applications Perspective. <i>Micromachines</i> , 2018, 9, 536.	1.4	155
32	A Comprehensive Review of Autophagy and Its Various Roles in Infectious, Non-Infectious, and Lifestyle Diseases: Current Knowledge and Prospects for Disease Prevention, Novel Drug Design, and Therapy. <i>Cells</i> , 2019, 8, 674.	1.8	154
33	Graphene and graphene oxide: Functionalization and nano-bio-catalytic system for enzyme immobilization and biotechnological perspective. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1430-1440.	3.6	151
34	Smart chemistry and its application in peroxidase immobilization using different support materials. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 278-290.	3.6	150
35	Biocatalytic degradation/redefining removal-fate of pharmaceutically active compounds and antibiotics in the aquatic environment. <i>Science of the Total Environment</i> , 2019, 691, 1190-1211.	3.9	150
36	SARS-CoV-2 coronavirus in water and wastewater: A critical review about presence and concern. <i>Environmental Research</i> , 2021, 193, 110265.	3.7	150

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37	Smart materials-based near-infrared light-responsive drug delivery systems for cancer treatment: A review. <i>Journal of Materials Research and Technology</i> , 2019, 8, 1497-1509.	2.6	149
38	Peroxidases-assisted removal of environmentally-related hazardous pollutants with reference to the reaction mechanisms of industrial dyes. <i>Science of the Total Environment</i> , 2018, 644, 1-13.	3.9	146
39	Enhanced bio-catalytic performance and dye degradation potential of chitosan-encapsulated horseradish peroxidase in a packed bed reactor system. <i>Science of the Total Environment</i> , 2017, 575, 1352-1360.	3.9	140
40	Electrochemical Biosensors: A Solution to Pollution Detection with Reference to Environmental Contaminants. <i>Biosensors</i> , 2018, 8, 29.	2.3	139
41	Environmental threatening concern and efficient removal of pharmaceutically active compounds using metal-organic frameworks as adsorbents. <i>Environmental Research</i> , 2020, 185, 109436.	3.7	137
42	Agarose-chitosan hydrogel-immobilized horseradish peroxidase with sustainable bio-catalytic and dye degradation properties. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 742-749.	3.6	130
43	Green synthesis of ZnO nanoparticles from <i>Syzygium Cumini</i> leaves extract with robust photocatalysis applications. <i>Journal of Molecular Liquids</i> , 2021, 335, 116567.	2.3	127
44	Catalytic potential of bio-synthesized silver nanoparticles using <i>Convolvulus arvensis</i> extract for the degradation of environmental pollutants. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 181, 44-52.	1.7	124
45	Sustainable bioconversion of food waste into high-value products by immobilized enzymes to meet bio-economy challenges and opportunities – A review. <i>Food Research International</i> , 2019, 123, 226-240.	2.9	123
46	Modifying bio-catalytic properties of enzymes for efficient biocatalysis: a review from immobilization strategies viewpoint. <i>Biocatalysis and Biotransformation</i> , 2019, 37, 159-182.	1.1	121
47	An insight into toxicity and human-health-related adverse consequences of cosmeceuticals – A review. <i>Science of the Total Environment</i> , 2019, 670, 555-568.	3.9	120
48	Current status and future trends of bioethanol production from agro-industrial wastes in Mexico. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 102, 63-74.	8.2	116
49	Potentially toxic elements and environmentally-related pollutants recognition using colorimetric and ratiometric fluorescent probes. <i>Science of the Total Environment</i> , 2018, 640-641, 174-193.	3.9	115
50	Redox-responsive nano-carriers as tumor-targeted drug delivery systems. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 705-715.	2.6	114
51	Photocatalytic Degradation of Congo Red Dye from Aqueous Environment Using Cobalt Ferrite Nanostructures: Development, Characterization, and Photocatalytic Performance. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	114
52	Potentialities of active membranes with immobilized laccase for Bisphenol A degradation. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 837-844.	3.6	113
53	Enzyme-based solutions for textile processing and dye contaminant biodegradation – a review. <i>Environmental Science and Pollution Research</i> , 2017, 24, 14005-14018.	2.7	108
54	State-of-the-art protein engineering approaches using biological macromolecules: A review from immobilization to implementation view point. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 893-901.	3.6	108

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55	Multifunctional carbon nanotubes and their derived nano-constructs for enzyme immobilization â€“ A paradigm shift in biocatalyst design. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213475.	9.5	105
56	Development of horseradish peroxidase-based cross-linked enzyme aggregates and their environmental exploitation for bioremediation purposes. <i>Journal of Environmental Management</i> , 2017, 188, 137-143.	3.8	104
57	Anti-Inflammatory Drugs and Herbs with Special Emphasis on Herbal Medicines for Countering Inflammatory Diseases and Disorders - A Review. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , 2018, 12, 39-58.	3.9	104
58	Mitigation of bisphenol A using an array of laccase-based robust bio-catalytic cues â€“ A review. <i>Science of the Total Environment</i> , 2019, 689, 160-177.	3.9	103
59	Herbal Immunomodulators - A Remedial Panacea for Designing and Developing Effective Drugs and Medicines: Current Scenario and Future Prospects. <i>Current Drug Metabolism</i> , 2018, 19, 264-301.	0.7	103
60	Advances in Developing Therapies to Combat Zika Virus: Current Knowledge and Future Perspectives. <i>Frontiers in Microbiology</i> , 2017, 8, 1469.	1.5	101
61	Bio-based degradation of emerging endocrine-disrupting and dye-based pollutants using cross-linked enzyme aggregates. <i>Environmental Science and Pollution Research</i> , 2017, 24, 7035-7041.	2.7	98
62	Bacterial Cellulose: A Sustainable Source to Develop Value-Added Products â€“ A Review. <i>BioResources</i> , 2016, 11, 5641-5655.	0.5	97
63	Multifunctional metalâ€“organic frameworks-based biocatalytic platforms: recent developments and future prospects. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2359-2371.	2.6	97
64	Development of silver nanoparticles loaded chitosan-alginate constructs with biomedical potentialities. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 393-400.	3.6	96
65	Bioremediation of lignin derivatives and phenolics in wastewater with lignin modifying enzymes: Status, opportunities and challenges. <i>Science of the Total Environment</i> , 2021, 777, 145988.	3.9	96
66	Lignocellulose degradation and production of lignin modifying enzymes by <i>Schizophyllum commune</i> IBL-06 in solid-state fermentation. <i>Biocatalysis and Agricultural Biotechnology</i> , 2016, 6, 195-201.	1.5	95
67	Algal-based removal strategies for hazardous contaminants from the environment â€“ A review. <i>Science of the Total Environment</i> , 2019, 665, 358-366.	3.9	92
68	Biotransformation of lignocellulosic biomass into industrially relevant products with the aid of fungi-derived lignocellulolytic enzymes. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 1099-1116.	3.6	91
69	TiO <sub>2</sub> /SiO <sub>2</sub> decorated carbon nanostructured materials as a multifunctional platform for emerging pollutants removal. <i>Science of the Total Environment</i> , 2019, 688, 299-311.	3.9	90
70	Biogenic synthesis and characterization of cobalt oxide nanoparticles for catalytic reduction of direct yellow-142 and methyl orange dyes. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 19, 101154.	1.5	90
71	Potential environmental impacts of wind energy development: A global perspective. <i>Current Opinion in Environmental Science and Health</i> , 2020, 13, 85-90.	2.1	90
72	MXene-based electrochemical and biosensing platforms to detect toxic elements and pesticides pollutants from environmental matrices. <i>Chemosphere</i> , 2022, 291, 132820.	4.2	89

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73	Novel characteristics of horseradish peroxidase immobilized onto the polyvinyl alcohol-alginate beads and its methyl orange degradation potential. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 328-335.	3.6	88
74	Cypermethrin induced toxicities in fish and adverse health outcomes: Its prevention and control measure adaptation. <i>Journal of Environmental Management</i> , 2018, 206, 863-871.	3.8	87
75	In-situ, Ex-situ, and nano-remediation strategies to treat polluted soil, water, and air – A review. <i>Chemosphere</i> , 2022, 289, 133252.	4.2	87
76	Immobilization of fungal laccase on glutaraldehyde cross-linked chitosan beads and its bio-catalytic potential to degrade bisphenol A. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 19, 101174.	1.5	84
77	Recent advances in structural modifications of photo-catalysts for organic pollutants degradation – A comprehensive review. <i>Chemosphere</i> , 2021, 284, 131263.	4.2	82
78	Decontamination of emerging pharmaceutical pollutants using carbon-dots as robust materials. <i>Journal of Hazardous Materials</i> , 2022, 423, 127145.	6.5	82
79	Horseradish peroxidase-assisted approach to decolorize and detoxify dye pollutants in a packed bed bioreactor. <i>Journal of Environmental Management</i> , 2016, 183, 836-842.	3.8	81
80	The Beast of Beauty: Environmental and Health Concerns of Toxic Components in Cosmetics. <i>Cosmetics</i> , 2020, 7, 13.	1.5	79
81	Antidepressant drugs as emerging contaminants: Occurrence in urban and non-urban waters and analytical methods for their detection. <i>Science of the Total Environment</i> , 2021, 757, 143722.	3.9	78
82	Persistence and impact of steroidal estrogens on the environment and their laccase-assisted removal. <i>Science of the Total Environment</i> , 2019, 690, 447-459.	3.9	77
83	Carbon nanotubes-based cues: A pathway to future sensing and detection of hazardous pollutants. <i>Journal of Molecular Liquids</i> , 2019, 292, 111425.	2.3	76
84	Environmental perspectives of interfacially active and magnetically recoverable composite materials – A review. <i>Science of the Total Environment</i> , 2019, 670, 523-538.	3.9	76
85	Tailoring enzyme microenvironment: State-of-the-art strategy to fulfill the quest for efficient bio-catalysis. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 186-196.	3.6	76
86	Design, engineering and analytical perspectives of membrane materials with smart surfaces for efficient oil/water separation. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 127, 115902.	5.8	76
87	Trends in predictive biodegradation for sustainable mitigation of environmental pollutants: Recent progress and future outlook. <i>Science of the Total Environment</i> , 2021, 770, 144561.	3.9	76
88	Horseradish peroxidase immobilization by copolymerization into cross-linked polyacrylamide gel and its dye degradation and detoxification potential. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 983-990.	3.6	75
89	State-of-the-Art Extraction Methodologies for Bioactive Compounds from Algal Biome to Meet Bio-Economy Challenges and Opportunities. <i>Molecules</i> , 2018, 23, 2953.	1.7	75
90	Effective exploitation of anionic, nonionic, and nanoparticle-stabilized surfactant foams for petroleum hydrocarbon contaminated soil remediation. <i>Science of the Total Environment</i> , 2020, 704, 135391.	3.9	75

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91	Metal-Organic Framework-Based Engineered Materials—Fundamentals and Applications. <i>Molecules</i> , 2020, 25, 1598.	1.7	75
92	Macromolecular agents with antimicrobial potentialities: A drive to combat antimicrobial resistance. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 554-574.	3.6	74
93	Reaction Mechanism and Degradation Pathway of Rhodamine 6G by Photocatalytic Treatment. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	74
94	Marine Seaweed Polysaccharides-Based Engineered Cues for the Modern Biomedical Sector. <i>Marine Drugs</i> , 2020, 18, 7.	2.2	74
95	Highly hazardous pesticides and related pollutants: Toxicological, regulatory, and analytical aspects. <i>Science of the Total Environment</i> , 2022, 807, 151879.	3.9	74
96	Metabolic engineering and enzyme-mediated processing: A biotechnological venture towards biofuel production — A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 436-447.	8.2	73
97	Microalgae as a source of high-value bioactive compounds. <i>Frontiers in Bioscience - Scholar</i> , 2018, 10, 197-216.	0.8	72
98	Enzyme-mimicking capacities of carbon-dots nanozymes: Properties, catalytic mechanism, and applications — A review. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 676-687.	3.6	72
99	Carbon nanotubes assisted analytical detection — Sensing/delivery cues for environmental and biomedical monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 132, 116066.	5.8	71
100	Engineering Functionalized Chitosan-Based Sorbent Material: Characterization and Sorption of Toxic Elements. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5138.	1.3	70
101	Chitosan-Based Bio-Composite Modified with Thiocarbamate Moiety for Decontamination of Cations from the Aqueous Media. <i>Molecules</i> , 2020, 25, 226.	1.7	69
102	Nanoadsorbents in focus for the remediation of environmentally-related contaminants with rising toxicity concerns. <i>Science of the Total Environment</i> , 2021, 779, 146465.	3.9	69
103	Silver Nanoparticles: Biosynthesis and Antimicrobial Potentialities. <i>International Journal of Pharmacology</i> , 2017, 13, 832-845.	0.1	69
104	Sustainable biodiesel production via catalytic and non-catalytic transesterification of feedstock materials — A review. <i>Fuel</i> , 2022, 328, 125254.	3.4	69
105	Photocatalytic degradation, toxicological assessment and degradation pathway of C.I. Reactive Blue 19 dye. <i>Chemical Engineering Research and Design</i> , 2018, 129, 384-390.	2.7	68
106	Lignin peroxidase in focus for catalytic elimination of contaminants — A critical review on recent progress and perspectives. <i>International Journal of Biological Macromolecules</i> , 2021, 177, 58-82.	3.6	68
107	Insight Into Nanoliposomes as Smart Nanocarriers for Greening the Twenty-First Century Biomedical Settings. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 579536.	2.0	68
108	Occurrence, toxic effects, and mitigation of pesticides as emerging environmental pollutants using robust nanomaterials — A review. <i>Chemosphere</i> , 2022, 293, 133538.	4.2	66

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109	Tailoring Multipurpose Biocatalysts via Protein Engineering Approaches: A Review. <i>Catalysis Letters</i> , 2019, 149, 2204-2217.	1.4	65
110	New Insights on Unique Features and Role of Nanostructured Materials in Cosmetics. <i>Cosmetics</i> , 2020, 7, 24.	1.5	63
111	Soil carbon sequestration – An interplay between soil microbial community and soil organic matter dynamics. <i>Science of the Total Environment</i> , 2022, 815, 152928.	3.9	63
112	Bioremediation potential of <i>Sargassum</i> sp. biomass to tackle pollution in coastal ecosystems: Circular economy approach. <i>Science of the Total Environment</i> , 2020, 715, 136978.	3.9	62
113	Mitigation of environmentally-related hazardous pollutants from water matrices using nanostructured materials – A review. <i>Chemosphere</i> , 2020, 253, 126770.	4.2	62
114	Environmental impact of lignocellulosic wastes and their effective exploitation as smart carriers – A drive towards greener and eco-friendlier biocatalytic systems. <i>Science of the Total Environment</i> , 2020, 722, 137903.	3.9	62
115	Heat Shock Proteins: Therapeutic Perspectives in Inflammatory Disorders. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , 2017, 10, 94-104.	3.9	62
116	Improvement of Catalytic Efficiency, Thermo-stability and Dye Decolorization Capability of <i>Pleurotus ostreatus</i> IBL-02 laccase by Hydrophobic Sol Gel Entrapment. <i>Chemistry Central Journal</i> , 2012, 6, 110.	2.6	61
117	Multi-enzyme co-immobilized nano-assemblies: Bringing enzymes together for expanding bio-catalysis scope to meet biotechnological challenges. <i>International Journal of Biological Macromolecules</i> , 2021, 186, 735-749.	3.6	61
118	Free and immobilized biocatalysts for removing micropollutants from water and wastewater: Recent progress and challenges. <i>Bioresource Technology</i> , 2022, 344, 126201.	4.8	61
119	Microbial-derived biosensors for monitoring environmental contaminants: Recent advances and future outlook. <i>Chemical Engineering Research and Design</i> , 2019, 124, 8-17.	2.7	60
120	Enhanced decolorization of Solar brilliant red 80 textile dye by an indigenous white rot fungus <i>Schizophyllum commune</i> IBL-06. <i>Saudi Journal of Biological Sciences</i> , 2013, 20, 347-352.	1.8	59
121	Bio-catalytic performance and dye-based industrial pollutants degradation potential of agarose-immobilized MnP using a Packed Bed Reactor System. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 582-590.	3.6	59
122	Advances in Diagnosis, Surveillance, and Monitoring of Zika Virus: An Update. <i>Frontiers in Microbiology</i> , 2017, 8, 2677.	1.5	59
123	Lignin peroxidase immobilization on Ca-alginate beads and its dye degradation performance in a packed bed reactor system. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101205.	1.5	59
124	Smart chemistry of enzyme immobilization using various support matrices – A review. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 396-408.	3.6	59
125	Biogenic Nanoparticle–Chitosan Conjugates with Antimicrobial, Antibiofilm, and Anticancer Potentialities: Development and Characterization. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 598.	1.2	58
126	Bioinspired biomolecules: Mycosporine-like amino acids and scytonemin from <i>Lyngbya</i> sp. with UV-protection potentialities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 201, 111684.	1.7	57



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127	Exploring current tendencies in techniques and materials for immobilization of laccases – A review. International Journal of Biological Macromolecules, 2021, 181, 683-696.	3.6	56
128	A comprehensive ligninolytic pre-treatment approach from lignocellulose green biotechnology to produce bio-ethanol. Chemical Engineering Research and Design, 2014, 92, 1571-1578.	2.7	55
129	Enzyme-Based Biodegradation of Hazardous Pollutants – An Overview. Journal of Experimental Biology and Agricultural Sciences, 2017, 5, 402-411.	0.1	55
130	Environmentally responsive and anti-bugs textile finishes – Recent trends, challenges, and future perspectives. Science of the Total Environment, 2019, 690, 667-682.	3.9	54
131	Characterization and deployment of surface-engineered chitosan-triethylenetetramine nanocomposite hybrid nano-adsorbent for divalent cations decontamination. International Journal of Biological Macromolecules, 2020, 152, 663-671.	3.6	54
132	Engineering enzyme-coupled hybrid nanoflowers: The quest for optimum performance to meet biocatalytic challenges and opportunities. International Journal of Biological Macromolecules, 2019, 135, 677-690.	3.6	53
133	The regulation of Endosomal Sorting Complex Required for Transport and accessory proteins in multivesicular body sorting and enveloped viral budding - An overview. International Journal of Biological Macromolecules, 2019, 127, 1-11.	3.6	53
134	Phyco-remediation of swine wastewater as a sustainable model based on circular economy. Journal of Environmental Management, 2021, 278, 111534.	3.8	53
135	Nano and micro architected cues as smart materials to mitigate recalcitrant pharmaceutical pollutants from wastewater. Chemosphere, 2021, 274, 129785.	4.2	53
136	TiO <sub>2</sub> /UV-assisted rhodamine B degradation: putative pathway and identification of intermediates by UPLC/MS. Environmental Technology (United Kingdom), 2018, 39, 1533-1543.	1.2	52
137	Harnessing the biocatalytic attributes and applied perspectives of nanoengineered laccases – A review. International Journal of Biological Macromolecules, 2021, 166, 352-373.	3.6	52
138	Delignification and fruit juice clarification properties of alginate-chitosan-immobilized ligninolytic cocktail. LWT - Food Science and Technology, 2017, 80, 348-354.	2.5	51
139	Medicinal and Beneficial Health Applications of <i>Tinospora cordifolia</i> (Guduchi): A Miraculous Herb Countering Various Diseases/Disorders and its Immunomodulatory Effects. Recent Patents on Endocrine, Metabolic & Immune Drug Discovery, 2017, 10, 96-111.	0.7	51
140	High-value compounds from microalgae with industrial exploitability – A review. Frontiers in Bioscience - Scholar, 2017, 9, 319-342.	0.8	51
141	Bioreactors for Cardiac Tissue Engineering. Advanced Healthcare Materials, 2019, 8, e1701504.	3.9	51
142	Characterization and Decolorization Applicability of Xerogel Matrix Immobilized Manganese Peroxidase Produced from <i>Trametes versicolor</i> IBL-04. Protein and Peptide Letters, 2013, 20, 591-600.	0.4	50
143	A Comprehensive Review on Chemical Profile and Pharmacological Activities of <i>Ocimum basilicum</i> . Food Reviews International, 2023, 39, 119-147.	4.3	50
144	Environment friendly degradation and detoxification of Congo red dye and textile industry wastewater by a newly isolated <i>Bacillus cohnii</i> (RKS9). Environmental Technology and Innovation, 2021, 22, 101425.	3.0	50

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145	Correlation Between Temperature and COVID-19 (Suspected, Confirmed and Death) Cases based on Machine Learning Analysis. <i>Journal of Pure and Applied Microbiology</i> , 2020, 14, 1017-1024.	0.3	50
146	Engineering <i>Pseudomonas</i> for phenazine biosynthesis, regulation, and biotechnological applications: a review. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 191.	1.7	49
147	Delignification of Lignocellulose Biomasses by Alginate-Chitosan Immobilized Laccase Produced from <i>Trametes versicolor</i> IBL-04. <i>Waste and Biomass Valorization</i> , 2018, 9, 2071-2079.	1.8	49
148	Food Safety and COVID-19: Precautionary Measures to Limit the Spread of Coronavirus at Food Service and Retail Sector. <i>Journal of Pure and Applied Microbiology</i> , 2020, 14, 749-756.	0.3	49
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