

Hafiz M N Iqbal

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

513
papers

13,498
citations

61
h-index

93
g-index

543
ext. papers

18,253
ext. citations

5.9
avg. IF

7.81
L-index

#	Paper	IF	Citations
513	Environmentally-related contaminants of high concern: Potential sources and analytical modalities for detection, quantification, and treatment. <i>Environment International</i> , 2019 , 122, 52-66	12.9	302
512	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	10.2	264
511	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	7.9	225
510	Emerging contaminants of high concern and their enzyme-assisted biodegradation - A review. <i>Environment International</i> , 2019 , 124, 336-353	12.9	218
509	Biosorption: An Interplay between Marine Algae and Potentially Toxic Elements-A Review. <i>Marine Drugs</i> , 2018 , 16,	6	210
508	Fluorescent sensor based models for the detection of environmentally-related toxic heavy metals. <i>Science of the Total Environment</i> , 2018 , 615, 476-485	10.2	205
507	Magnetic nanoparticles as versatile carriers for enzymes immobilization: A review. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 2530-2544	7.9	188
506	Emergent contaminants: Endocrine disruptors and their laccase-assisted degradation - A review. <i>Science of the Total Environment</i> , 2018 , 612, 1516-1531	10.2	184
505	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		177
504	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	6	164
503	Naturally-derived biopolymers: Potential platforms for enzyme immobilization. <i>International Journal of Biological Macromolecules</i> , 2019 , 130, 462-482	7.9	163
502	Hazardous contaminants in the environment and their laccase-assisted degradation - A review. <i>Journal of Environmental Management</i> , 2019 , 234, 253-264	7.9	153
501	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	5.9	151
500	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	7.5	149
499	Algal biorefinery: A sustainable approach to valorize algal-based biomass towards multiple product recovery. <i>Bioresource Technology</i> , 2019 , 278, 346-359	11	143
498	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	9.4	137
497	Biotransformation of lignocellulosic materials into value-added products-A review. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 447-458	7.9	136

496	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	7.5	118
495	Mitigation of environmental pollution by genetically engineered bacteria - Current challenges and future perspectives. <i>Science of the Total Environment</i> , 2019 , 667, 444-454	10.2	116
494	Bio-based materials with novel characteristics for tissue engineering applications - A review. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 837-846	7.9	115
493	Endogenous and Exogenous Stimuli-Responsive Drug Delivery Systems for Programmed Site-Specific Release. <i>Molecules</i> , 2019 , 24,	4.8	113
492	"Smart" chemistry and its application in peroxidase immobilization using different support materials. <i>International Journal of Biological Macromolecules</i> , 2018 , 119, 278-290	7.9	111
491	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	10.2	108
490	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	10.2	107
489	Bio-based active food packaging materials: Sustainable alternative to conventional petrochemical-based packaging materials. <i>Food Research International</i> , 2020 , 137, 109625	7	106
488	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	10.2	106
487	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	10.2	105
486	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	23.2	105
485	Electrochemical Biosensors: A Solution to Pollution Detection with Reference to Environmental Contaminants. <i>Biosensors</i> , 2018 , 8,	5.9	104
484	Anthropogenic contaminants of high concern: Existence in water resources and their adverse effects. <i>Science of the Total Environment</i> , 2019 , 690, 1068-1088	10.2	102
483	Organs-on-a-Chip Module: A Review from the Development and Applications Perspective. <i>Micromachines</i> , 2018 , 9,	3.3	97
482	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	5.5	96
481	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	6.7	94
480	Environmental impact and pollution-related challenges of renewable wind energy paradigm - A review. <i>Science of the Total Environment</i> , 2019 , 683, 436-444	10.2	93
479	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,	7.9	93

478	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	7.9	93
477	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	7.9	88
476	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	10.2	88
475	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	5.1	87
474	Enzyme-based solutions for textile processing and dye contaminant biodegradation-a review. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 14005-14018	5.1	87
473	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	7.9	87
472	Potentialities of active membranes with immobilized laccase for Bisphenol A degradation. <i>International Journal of Biological Macromolecules</i> , 2018 , 108, 837-844	7.9	86
471	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	7.9	86
470	Redox-responsive nano-carriers as tumor-targeted drug delivery systems. <i>European Journal of Medicinal Chemistry</i> , 2018 , 157, 705-715	6.8	82
469	Advances in Developing Therapies to Combat Zika Virus: Current Knowledge and Future Perspectives. <i>Frontiers in Microbiology</i> , 2017 , 8, 1469	5.7	81
468	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	4.2	81
467	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	16.2	81
466	Modifying bio-catalytic properties of enzymes for efficient biocatalysis: a review from immobilization strategies viewpoint. <i>Biocatalysis and Biotransformation</i> , 2019 , 37, 159-182	2.5	79
465	Antibiotics traces in the aquatic environment: persistence and adverse environmental impact. <i>Current Opinion in Environmental Science and Health</i> , 2020 , 13, 68-74	8.1	79
464	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	10.2	78
463	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	10.2	76
462	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	7	74
461	Development of silver nanoparticles loaded chitosan-alginate constructs with biomedical potentialities. <i>International Journal of Biological Macromolecules</i> , 2017 , 105, 393-400	7.9	74

460	Environmental threatening concern and efficient removal of pharmaceutically active compounds using metal-organic frameworks as adsorbents. <i>Environmental Research</i> , 2020 , 185, 109436	7.9	70
459	Algal-based removal strategies for hazardous contaminants from the environment - A review. <i>Science of the Total Environment</i> , 2019 , 665, 358-366	10.2	70
458	Bacterial Cellulose: A Sustainable Source to Develop Value-Added Products [A Review]. <i>BioResources</i> , 2016 , 11,	1.3	69
457	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	7.9	69
456	SARS-CoV-2 coronavirus in water and wastewater: A critical review about presence and concern. <i>Environmental Research</i> , 2021 , 193, 110265	7.9	69
455	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	7.9	67
454	Biomarkers in Stress Related Diseases/Disorders: Diagnostic, Prognostic, and Therapeutic Values. <i>Frontiers in Molecular Biosciences</i> , 2019 , 6, 91	5.6	66
453	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	4.2	61
452	Mitigation of bisphenol A using an array of laccase-based robust bio-catalytic cues - A review. <i>Science of the Total Environment</i> , 2019 , 689, 160-177	10.2	61
451	TiO/SiO decorated carbon nanostructured materials as a multifunctional platform for emerging pollutants removal. <i>Science of the Total Environment</i> , 2019 , 688, 299-311	10.2	59
450	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	3.5	59
449	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	7.9	59
448	Multifunctional metal-organic frameworks-based biocatalytic platforms: recent developments and future prospects. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 2359-2371	5.5	57
447	Macromolecular agents with antimicrobial potentialities: A drive to combat antimicrobial resistance. <i>International Journal of Biological Macromolecules</i> , 2017 , 103, 554-574	7.9	56
446	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	7.9	56
445	Multifunctional carbon nanotubes and their derived nano-constructs for enzyme immobilization [A paradigm shift in biocatalyst design. <i>Coordination Chemistry Reviews</i> , 2020 , 422, 213475	23.2	54
444	Engineering Functionalized Chitosan-Based Sorbent Material: Characterization and Sorption of Toxic Elements. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5138	2.6	54
443	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	7.9	52

442	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	7.9	51
441	Microalgae as a source of high-value bioactive compounds. <i>Frontiers in Bioscience - Scholar</i> , 2018 , 10, 197-216	2.4	51
440	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	7.9	51
439	Environmental perspectives of interfacially active and magnetically recoverable composite materials - A review. <i>Science of the Total Environment</i> , 2019 , 670, 523-538	10.2	50
438	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	2.6	50
437	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	16.2	50
436	Silver Nanoparticles: Biosynthesis and Antimicrobial Potentialities. <i>International Journal of Pharmacology</i> , 2017 , 13, 832-845	0.7	49
435	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	4.2	48
434	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	5.4	48
433	Reaction Mechanism and Degradation Pathway of Rhodamine 6G by Photocatalytic Treatment. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	48
432	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		48
431	Potential environmental impacts of wind energy development: A global perspective. <i>Current Opinion in Environmental Science and Health</i> , 2020 , 13, 85-90	8.1	48
430	Chitosan-Based Bio-Composite Modified with Thiocarbamate Moiety for Decontamination of Cations from the Aqueous Media. <i>Molecules</i> , 2020 , 25,	4.8	48
429	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	5.5	47
428	State-of-the-Art Extraction Methodologies for Bioactive Compounds from Algal Biome to Meet Bio-Economy Challenges and Opportunities. <i>Molecules</i> , 2018 , 23,	4.8	47
427	Advances in Diagnosis, Surveillance, and Monitoring of Zika Virus: An Update. <i>Frontiers in Microbiology</i> , 2017 , 8, 2677	5.7	45
426	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, 347-52	4	45
425	Characterization and decolorization applicability of xerogel matrix immobilized manganese peroxidase produced from <i>Trametes versicolor</i> IBL-04. <i>Protein and Peptide Letters</i> , 2013 , 20, 591-600	1.9	45

424	Carbon nanotubes assisted analytical detection sensing/delivery cues for environmental and biomedical monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 132, 116066	14.6	45
423	A comprehensive ligninolytic pre-treatment approach from lignocellulose green biotechnology to produce bio-ethanol. <i>Chemical Engineering Research and Design</i> , 2014 , 92, 1571-1578	5.5	44
422	Tailoring Multipurpose Biocatalysts via Protein Engineering Approaches: A Review. <i>Catalysis Letters</i> , 2019 , 149, 2204-2217	2.8	43
421	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	14.6	41
420	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	10.2	41
419	. <i>Frontiers in Bioscience - Scholar</i> , 2017 , 9, 319-342	2.4	41
418	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,	4.6	40
417	Biomedical Potentialities of Taraxacum officinale-based Nanoparticles Biosynthesized Using Methanolic Leaf Extract. <i>Current Pharmaceutical Biotechnology</i> , 2017 , 18, 1116-1123	2.6	40
416	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	10.2	40
415	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	4.2	39
414	Characterization and deployment of surface-engineered chitosan-triethylenetetramine nanocomposite hybrid nano-adsorbent for divalent cations decontamination. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 663-671	7.9	39
413	A chemical approach to manipulate the algal growth, lipid content and high-value alpha-linolenic acid for biodiesel production. <i>Algal Research</i> , 2017 , 26, 312-322	5	39
412	Mitigation of environmentally-related hazardous pollutants from water matrices using nanostructured materials - A review. <i>Chemosphere</i> , 2020 , 253, 126770	8.4	38
411	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	10.2	38
410	Carbon nanotubes-based cues: A pathway to future sensing and detection of hazardous pollutants. <i>Journal of Molecular Liquids</i> , 2019 , 292, 111425	6	38
409	Laccase-assisted grafting of poly(3-hydroxybutyrate) onto the bacterial cellulose as backbone polymer: development and characterisation. <i>Carbohydrate Polymers</i> , 2014 , 113, 131-7	10.3	38
408	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	7.9	38
407	Delignification and fruit juice clarification properties of alginate-chitosan-immobilized ligninolytic cocktail. <i>LWT - Food Science and Technology</i> , 2017 , 80, 348-354	5.4	37

406	Bioreactors for Cardiac Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1701504	10.1	37
405	Enzyme-Based Biodegradation of Hazardous Pollutants –An Overview. <i>Journal of Experimental Biology and Agricultural Sciences</i> , 2017 , 5, 402-411	0.6	37
404	Heat Shock Proteins: Therapeutic Perspectives in Inflammatory Disorders. <i>Recent Patents on Inflammation and Allergy Drug Discovery</i> , 2017 , 10, 94-104	5.4	37
403	Marine Seaweed Polysaccharides-Based Engineered Cues for the Modern Biomedical Sector. <i>Marine Drugs</i> , 2019 , 18,	6	37
402	Nanoadsorbents in focus for the remediation of environmentally-related contaminants with rising toxicity concerns. <i>Science of the Total Environment</i> , 2021 , 779, 146465	10.2	37
401	Bioremediation potential of Sargassum sp. biomass to tackle pollution in coastal ecosystems: Circular economy approach. <i>Science of the Total Environment</i> , 2020 , 715, 136978	10.2	36
400	New Insights on Unique Features and Role of Nanostructured Materials in Cosmetics. <i>Cosmetics</i> , 2020 , 7, 24	2.7	36
399	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	3.2	36
398	Development of bio-composites with novel characteristics: Evaluation of phenol-induced antibacterial, biocompatible and biodegradable behaviours. <i>Carbohydrate Polymers</i> , 2015 , 131, 197-207	10.3	36
397	Poly(3-hydroxybutyrate)-ethyl cellulose based bio-composites with novel characteristics for infection free wound healing application. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 552-9	7.9	35
396	TiO ₂ /UV-assisted rhodamine B degradation: putative pathway and identification of intermediates by UPLC/MS. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 1533-1543	2.6	35
395	Mitigation of salt stress in white clover (<i>Trifolium repens</i>) by <i>Azospirillum brasilense</i> and its inoculation effect. <i>Botanical Studies</i> , 2017 , 58, 5	2.3	34
394	Environmentally responsive and anti-bugs textile finishes - Recent trends, challenges, and future perspectives. <i>Science of the Total Environment</i> , 2019 , 690, 667-682	10.2	34
393	In situ development of self-defensive antibacterial biomaterials: phenol-g-keratin-EC based bio-composites with characteristics for biomedical applications. <i>Green Chemistry</i> , 2015 , 17, 3858-3869	10	34
392	Chitosan-based green sorbent material for cations removal from an aqueous environment. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104064	6.8	34
391	Enhanced Bio-ethanol Production from Old Newspapers Waste Through Alkali and Enzymatic Delignification. <i>Waste and Biomass Valorization</i> , 2017 , 8, 2271-2281	3.2	33
390	Engineering <i>Pseudomonas</i> for phenazine biosynthesis, regulation, and biotechnological applications: a review. <i>World Journal of Microbiology and Biotechnology</i> , 2017 , 33, 191	4.4	33
389	The Beast of Beauty: Environmental and Health Concerns of Toxic Components in Cosmetics. <i>Cosmetics</i> , 2020 , 7, 13	2.7	33

388	Turn-on fluorescent sensor-based probing of toxic Hg(II) and Cu(II) with potential intracellular monitoring. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019 , 17, 696-701	4.2	32
387	Toxicological Assessment and UV/TiO-Based Induced Degradation Profile of Reactive Black 5 Dye. <i>Environmental Management</i> , 2018 , 61, 171-180	3.1	32
386	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	10.2	32
385	Metal-Organic Framework-Based Engineered Materials-Fundamentals and Applications. <i>Molecules</i> , 2020 , 25,	4.8	32
384	Microbial-derived biosensors for monitoring environmental contaminants: Recent advances and future outlook. <i>Chemical Engineering Research and Design</i> , 2019 , 124, 8-17	5.5	31
383	Enhanced catalytic features of sol-gel immobilized MnP isolated from solid state culture of <i>Pleurotus ostreatus</i> IBL-02. <i>Chinese Chemical Letters</i> , 2013 , 24, 344-346	8.1	31
382	Medicinal and Beneficial Health Applications of <i>Tinospora cordifolia</i> (Guduchi): A Miraculous Herb Countering Various Diseases/Disorders and its Immunomodulatory Effects. <i>Recent Patents on Endocrine, Metabolic & Immune Drug Discovery</i> , 2017 , 10, 96-111		31
381	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	10.2	31
380	Engineering enzyme-coupled hybrid nanoflowers: The quest for optimum performance to meet biocatalytic challenges and opportunities. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 677-690	7.9	30
379	A preliminary study on the development and characterisation of enzymatically grafted P(3HB)-ethyl cellulose based novel composites. <i>Cellulose</i> , 2014 , 21, 3613-3621	5.5	30
378	Decolorization applicability of sol-gel matrix immobilized manganese peroxidase produced from an indigenous white rot fungal strain <i>Ganoderma lucidum</i> . <i>BMC Biotechnology</i> , 2013 , 13, 56	3.5	30
377	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	0.9	30
376	Gelatin-Immobilized Manganese Peroxidase with Novel Catalytic Characteristics and Its Industrial Exploitation for Fruit Juice Clarification Purposes. <i>Catalysis Letters</i> , 2016 , 146, 2221-2228	2.8	30
375	Bacterial cellulose-assisted de-lignified wheat straw-PVA based bio-composites with novel characteristics. <i>Carbohydrate Polymers</i> , 2017 , 161, 244-252	10.3	29
374	Marine-derived bioactive compounds for value-added applications in bio- and non-bio sectors. <i>Journal of Cleaner Production</i> , 2017 , 168, 1559-1565	10.3	29
373	Dynamics of oil-water interface demulsification using multifunctional magnetic hybrid and assembly materials. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113434	6	29
372	Selenide-chitosan as High-performance Nanophotocatalyst for Accelerated Degradation of Pollutants. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2660-2673	4.5	29
371	Ligninolytic Enzymes Mediated Ligninolysis: An Untapped Biocatalytic Potential to Deconstruct Lignocellulosic Molecules in a Sustainable Manner. <i>Catalysis Letters</i> , 2020 , 150, 524-543	2.8	29

370	Green synthesis of ZnO nanoparticles from Syzygium Cumini leaves extract with robust photocatalysis applications. <i>Journal of Molecular Liquids</i> , 2021 , 335, 116567	6	29
369	One-pot synthesis and characterisation of novel P(3HB)-ethyl cellulose based graft composites through lipase catalysed esterification. <i>Polymer Chemistry</i> , 2014 , 5, 7004-7012	4.9	28
368	Advances in Designing and Developing Vaccines, Drugs and Therapeutic Approaches to Counter Human Papilloma Virus. <i>Frontiers in Immunology</i> , 2018 , 9, 2478	8.4	28
367	Protein and Peptide Biopharmaceuticals: An Overview. <i>Protein and Peptide Letters</i> , 2017 , 24, 94-101	1.9	27
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