

# Hafiz M N Iqbal

## List of Publications by Year in Descending Order

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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	Nanobioremediation: Status quo and view ahead <b>2022</b> , 573-577		0
512	Lignin removal from pulp and paper industry waste streams and its application <b>2022</b> , 265-283		0
511	Treatment of pulp and paper industry waste effluents and contaminants <b>2022</b> , 349-370		
510	Vinasse bio-valorization for enhancement of Pleurotus biomass productivity: chemical characterization and carbohydrate analysis. <i>Biomass Conversion and Biorefinery</i> , <b>2022</b> , 1	2.3	0
509	Functionalized nanoparticles and their environmental remediation potential: a review. <i>Journal of Nanostructure in Chemistry</i> , <b>2022</b> , 1	7.6	2
508	Prospects of microbial polysaccharides-based hybrid constructs for biomimicking applications.. <i>Journal of Basic Microbiology</i> , <b>2022</b> ,	2.7	3
507	Laccases: catalytic and functional attributes for robust biocatalysis <b>2022</b> , 567-594		0
506	Nanobiocatalysts for wastewater remediation and redefining of pollutants <b>2022</b> , 313-337		
505	Role of laccase in the pulp and paper industry <b>2022</b> , 35-60		0
504	Carrier-Free Cross-linked Laccase Crystals for Biocatalytic Degradation of Textile Industrial Effluents.. <i>Applied Biochemistry and Biotechnology</i> , <b>2022</b> , 1	3.2	1
503	Treatment of synthetic dye containing textile raw wastewater effluent using UV/Chlorine/Br photolysis process followed by activated carbon adsorption.. <i>Environmental Science and Pollution Research</i> , <b>2022</b> , 1	5.1	0
502	Stem Cells and Tissue Engineering-Based Therapeutic Interventions: Promising Strategies to Improve Peripheral Nerve Regeneration.. <i>Cellular and Molecular Neurobiology</i> , <b>2022</b> , 1	4.6	1
501	Soil carbon sequestration - An interplay between soil microbial community and soil organic matter dynamics.. <i>Science of the Total Environment</i> , <b>2022</b> , 815, 152928	10.2	6
500	Persistence, environmental hazards, and mitigation of pharmaceutically active residual contaminants from water matrices.. <i>Science of the Total Environment</i> , <b>2022</b> , 153329	10.2	9
499	Nanomaterial-immobilized lipases for sustainable recovery of biodiesel [A review. <i>Fuel</i> , <b>2022</b> , 316, 123429.1		2
498	Nanobiosorbents: Basic principles, synthesis, and application for contaminants removal <b>2022</b> , 45-59		0
497	Nanoadsorbents for environmental remediation of polluting agents <b>2022</b> , 227-239		0

496	Nanomaterials for removal of heavy metals from wastewater <b>2022</b> , 135-161		1
495	Toxicological impact and adsorptive removal of triclosan from water bodies using chitosan and carbon-based nano-architectures <b>2022</b> , 437-452		
494	Sustainable and optimized bioethanol production using mix microbial consortium of <i>Saccharomyces cerevisiae</i> and <i>Candida cantarelli</i> . <i>Fuel</i> , <b>2022</b> , 314, 122763	7.1	1
493	Equipment and recent advances in supercritical fluids extraction <b>2022</b> , 235-247		1
492	Biological macromolecules for enzyme immobilization <b>2022</b> , 529-546		0
491	Bioremediation and decontamination potentials of metallic nanoparticles loaded nanohybrid matrices - A review. <i>Environmental Research</i> , <b>2022</b> , 204, 112407	7.9	8
490	Biodegradable polymeric conduits: Platform materials for guided nerve regeneration and vascular tissue engineering. <i>Journal of Drug Delivery Science and Technology</i> , <b>2022</b> , 67, 103014	4.5	2
489	Occurrence, toxic effects, and mitigation of pesticides as emerging environmental pollutants using robust nanomaterials - A review.. <i>Chemosphere</i> , <b>2022</b> , 293, 133538	8.4	9
488	Magnetic nanomaterials assisted nanobiocatalysis systems and their applications in biofuels production. <i>Fuel</i> , <b>2022</b> , 312, 122927	7.1	5
487	Laccase-assisted biosensing constructs [Robust modalities to detect and remove environmental contaminants. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2022</b> , 5, 100180	7.5	1
486	Integrated biorefinery approach to valorize citrus waste: A sustainable solution for resource recovery and environmental management.. <i>Chemosphere</i> , <b>2022</b> , 293, 133459	8.4	7
485	Surface-coated magnetic nanostructured materials for robust bio-catalysis and biomedical applications-A review.. <i>Journal of Advanced Research</i> , <b>2022</b> , 38, 157-177	13	2
484	Free and immobilized biocatalysts for removing micropollutants from water and wastewater: Recent progress and challenges. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126201	11	13
483	Enzyme-Assisted Transformation of Lignin-Based Food Bio-residues into High-Value Products with a Zero-Waste Theme: A Review. <i>Waste and Biomass Valorization</i> , <b>2022</b> , 1	3.2	1
482	Biodegradation of micropollutants <b>2022</b> , 477-507		
481	Biodegradation of environmental pollutants using horseradish peroxidase <b>2022</b> , 603-633		1
480	Microbial degradation of environmental pollutants <b>2022</b> , 509-528		2
479	Resource recovery of lignocellulosic biomass waste into lactic acid - Trends to sustain cleaner production. <i>Journal of Environmental Management</i> , <b>2022</b> , 301, 113925	7.9	2

478	Biodegradation and biodeterioration at the nanoscale: an introduction <b>2022</b> , 1-7		0
477	Broadening the Catalytic Role of Enzymes in Cosmeceutical Sector: A Robust Tool from White Biotechnology. <i>Catalysis Letters</i> , <b>2022</b> , 1	2.8	2
476	Decontamination of emerging pharmaceutical pollutants using carbon-dots as robust materials. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127145	12.8	26
475	Application of TiO <sub>2</sub> photocatalysts hybridized with carbonaceous for degradation of pharmaceuticals <b>2022</b> , 323-348		
474	Covalent organic frameworks-based smart materials for mitigation of pharmaceutical pollutants from aqueous solution. <i>Chemosphere</i> , <b>2022</b> , 286, 131710	8.4	11
473	Analytical and regulatory considerations to mitigate highly hazardous toxins from environmental matrices. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127031	12.8	9
472	Regulations and risk assessment of microbial green nanotechnology <b>2022</b> , 191-208		
471	Biosensors for the detection of disease outbreaks through Wastewater-based Epidemiology.. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2022</b> , 116585	14.6	2
470	Exploring Marine as a Rich Source of Bioactive Peptides: Challenges and Opportunities from Marine Pharmacology.. <i>Marine Drugs</i> , <b>2022</b> , 20,	6	3
469	Nephroprotective Plants: A Review on the Use in Pre-Renal and Post-Renal Diseases.. <i>Plants</i> , <b>2022</b> , 11,	4.5	2
468	Current challenges for modern vaccines and perspectives for novel treatment alternatives. <i>Journal of Drug Delivery Science and Technology</i> , <b>2022</b> , 70, 103222	4.5	0
467	Nanostructures for drug delivery in respiratory diseases therapeutics: Revision of current trends and its comparative analysis.. <i>Journal of Drug Delivery Science and Technology</i> , <b>2022</b> , 70, 103219	4.5	2
466	Genetic modifications associated with sustainability aspects for sustainable developments.. <i>Bioengineered</i> , <b>2022</b> , 13, 9508-9520	5.7	3
465	Application of nanomaterials for enhanced production of biodiesel, biooil, biogas, bioethanol, and biohydrogen via lignocellulosic biomass transformation. <i>Fuel</i> , <b>2022</b> , 315, 122840	7.1	2
464	Lignocellulosic residues as supports for enzyme immobilization, and biocatalysts with potential applications.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 208, 748-759	7.9	0
463	Prospecting carbon-based nanomaterials for the treatment and degradation of endocrine-disrupting pollutants.. <i>Chemosphere</i> , <b>2022</b> , 134172	8.4	5
462	Soil carbon sequestration, greenhouse gas emissions, and water pollution under different tillage practices.. <i>Science of the Total Environment</i> , <b>2022</b> , 154161	10.2	1
461	A predictive toolset for the identification of degradation pattern and toxic hazard estimation of multimeric hazardous compounds persists in water bodies.. <i>Science of the Total Environment</i> , <b>2022</b> , 824, 153979	10.2	1

460	Nanoparticles as stimulants for efficient generation of biofuels and renewables. <i>Fuel</i> , <b>2022</b> , 319, 123724-123731	7.1	1
459	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> , <b>2022</b> , 211, 112971	7.9	
458	Omics approaches in bioremediation of environmental contaminants: An integrated approach for environmental safety and sustainability.. <i>Environmental Research</i> , <b>2022</b> , 113102	7.9	6
457	Carbon dots-based nanomaterials for fluorescent sensing of toxic elements in environmental samples: Strategies for enhanced performance.. <i>Chemosphere</i> , <b>2022</b> , 300, 134515	8.4	4
456	Nano-remediation technologies for the sustainable mitigation of persistent organic pollutants.. <i>Environmental Research</i> , <b>2022</b> , 211, 113060	7.9	3
455	Ultrasonication expedited As(III) adsorption onto chitosan impregnated Ni-Fe layered double hydroxide biosorbent: Optimization studies and artificial intelligence modelling.. <i>Environmental Research</i> , <b>2022</b> , 113184	7.9	0
454	Nanostructured materials for water/wastewater remediation <b>2022</b> , 413-432		
453	Bioprospecting and biotechnological insights into sweet-tasting proteins by microbial hosts-a review.. <i>Bioengineered</i> , <b>2022</b> , 13, 9815-9828	5.7	1
452	Bioprospecting as a Robust Host for Industrial Biotechnology.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 851768	5.8	1
451	Oxidoreductases for Removal of Environmental Pollutants. <i>Microorganisms for Sustainability</i> , <b>2022</b> , 1-17	1.1	
450	Micro-algae assisted green bioremediation of water pollutants rich leachate and source products recovery.. <i>Environmental Pollution</i> , <b>2022</b> , 306, 119422	9.3	2
449	Recent advancements in microbial-assisted remediation strategies for toxic contaminants <b>2022</b> , 100020		2
448	Silk-based nano-hydrogels for futuristic biomedical applications. <i>Journal of Drug Delivery Science and Technology</i> , <b>2022</b> , 103385	4.5	1
447	Emerging biotechnological strategies for food waste management: A green leap towards achieving high-value products and environmental abatement. <i>Energy Nexus</i> , <b>2022</b> , 6, 100077		1
446	Robust strategies to eliminate endocrine disruptive estrogens in water resources.. <i>Environmental Pollution</i> , <b>2022</b> , 119373	9.3	1
445	Broadening the scope of on-site detection and bioanalytical perspective of toxic elements using fluorescent sensing constructs <b>2022</b> , 100019		0
444	Microbial fingerprinting techniques and their role in the remediation of environmental pollution <b>2022</b> , 100026		2
443	Carbon-based nanocomposite materials with multifunctional attributes for environmental remediation of emerging pollutants. <i>Chemosphere</i> , <b>2022</b> , 303, 135054	8.4	1

442	Microalgae Bioactive Compounds to Topical Applications Products A Review. <i>Molecules</i> , <b>2022</b> , 27, 3512	4.8	2
441	Evaluation of three methods for betanin quantification in fruits from cacti. <i>MethodsX</i> , <b>2022</b> , 101746	1.9	
440	Dendritic Cell-Targeted Therapies to Treat Neurological Disorders. <i>Molecular Neurobiology</i> , <b>2021</b> , 1	6.2	1
439	Nanomaterial-based catalysts for the degradation of endocrine-disrupting chemicals A way forward to environmental remediation. <i>Materials Letters</i> , <b>2021</b> , 308, 131217	3.3	14
438	MXene-based electrochemical and biosensing platforms to detect toxic elements and pesticides pollutants from environmental matrices. <i>Chemosphere</i> , <b>2021</b> , 132820	8.4	20
437	Fungal Enzymes as Catalytic Tools For Polyethylene Terephthalate (PET) Degradation. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7,	5.6	2
436	Expanding the Biocatalytic Scope of Enzyme-Loaded Polymeric Hydrogels. <i>Gels</i> , <b>2021</b> , 7,	4.2	1
435	Biocatalytic remediation of pharmaceutically active micropollutants for environmental sustainability. <i>Environmental Pollution</i> , <b>2021</b> , 293, 118582	9.3	5
434	Carbon-based nanomaterials with multipurpose attributes for water treatment: Greening the 21st-century nanostructure materials deployment <b>2021</b> , 1, 48-58		4
433	Separation and remediation of environmental pollutants using metal-organic framework-based tailored materials. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	3
432	Highly hazardous pesticides and related pollutants: Toxicological, regulatory, and analytical aspects. <i>Science of the Total Environment</i> , <b>2021</b> , 151879	10.2	15
431	Emerging trends in environmental and industrial applications of marine carbonic anhydrase: a review. <i>Bioprocess and Biosystems Engineering</i> , <b>2021</b> , 1	3.7	0
430	Enzyme-mimicking capacities of carbon-dots nanozymes: Properties, catalytic mechanism, and applications - A review. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> ,	7.9	11
429	Evaluation of pollution parameters and toxic elements in wastewater of pulp and paper industries in India: A case study. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2021</b> , 100163	7.5	11
428	Hydrogen-based catalyst-assisted advanced oxidation processes to mitigate emerging pharmaceutical contaminants. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> ,	6.7	7
427	Microbial bioremediation strategies with wastewater treatment potentialities - A review. <i>Science of the Total Environment</i> , <b>2021</b> , 818, 151754	10.2	6
426	Immobilized Enzymes-Based Biosensing Cues for Strengthening Biocatalysis and Biorecognition. <i>Catalysis Letters</i> , <b>2021</b> , 1	2.8	0
425	Insight of nanotechnological processing for nano-fortified functional foods and nutraceutical-opportunities, challenges, and future scope in food for better health. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-18	11.5	1

424	Nanohybrids-assisted photocatalytic removal of pharmaceutical pollutants to abate their toxicological effects - A review. <i>Chemosphere</i> , <b>2021</b> , 291, 133056	8.4	3
423	Bio-applications and biotechnological applications of nanodiamonds. <i>Journal of Materials Research and Technology</i> , <b>2021</b> , 15, 6175-6189	5.5	2
422	MXene-based hybrid composites as photocatalyst for the mitigation of pharmaceuticals. <i>Chemosphere</i> , <b>2021</b> , 133062	8.4	3
421	Carbon dots as a new fluorescent nanomaterial with switchable sensing potential and its sustainable deployment for metal sensing applications. <i>Materials Letters</i> , <b>2021</b> , 131372	3.3	2
420	Early Optimization Stages of Bagasse Processing toward Biorefinement: Drying Procedure and Enzymatic Hydrolysis for Flavonoid Extraction. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
419	In-situ, Ex-situ, and nano-remediation strategies to treat polluted soil, water, and air - A review.. <i>Chemosphere</i> , <b>2021</b> , 289, 133252	8.4	14
418	Green remediation potential of immobilized oxidoreductases to treat halo-organic pollutants persist in wastewater and soil matrices - A way forward.. <i>Chemosphere</i> , <b>2021</b> , 290, 133305	8.4	1
417	Nano-engineered materials for sensing food pollutants: Technological advancements and safety issues.. <i>Chemosphere</i> , <b>2021</b> , 292, 133320	8.4	8
416	In silico analytical toolset for predictive degradation and toxicity of hazardous pollutants in water sources.. <i>Chemosphere</i> , <b>2021</b> , 292, 133250	8.4	2
415	Alginate-based nano-adsorbent materials - Bioinspired solution to mitigate hazardous environmental pollutants. <i>Chemosphere</i> , <b>2021</b> , 288, 132618	8.4	11
414	Exploring the potential of ligninolytic armory for lignin valorization A way forward for sustainable and cleaner production. <i>Journal of Cleaner Production</i> , <b>2021</b> , 326, 129420	10.3	7
413	Bioprospecting microbial hosts to valorize lignocellulose biomass - Environmental perspectives and value-added bioproducts. <i>Chemosphere</i> , <b>2021</b> , 132574	8.4	8
412	Enzyme (Single and Multiple) and Nanozyme Biosensors: Recent Developments and Their Novel Applications in the Water-Food-Health Nexus. <i>Biosensors</i> , <b>2021</b> , 11,	5.9	7
411	Ecotoxicological Assessment and Environmental Risk of the Insecticide Chlorpyrifos for Aquatic Neotropical Indicators. <i>Water, Air, and Soil Pollution</i> , <b>2021</b> , 232, 1	2.6	3
410	Bioengineered microbial platforms for biomass-derived biofuel production - A review. <i>Chemosphere</i> , <b>2021</b> , 288, 132528	8.4	9
409	Bio-purification of sugar industry wastewater and production of high-value industrial products with a zero-waste concept. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 61, 3537-3554	11.5	5
408	Impacts of Different Tillage Practices on Soil Water Infiltration for Sustainable Agriculture. <i>Sustainability</i> , <b>2021</b> , 13, 3155	3.6	2
407	A Comprehensive Review on Chemical Profile and Pharmacological Activities of Ocimum basilicum. <i>Food Reviews International</i> , <b>2021</b> , 1-29	5.5	17

406	Mutagenesis and Immobilization of ChitB-Protease for Induced De-staining and Goat Skin Dehairing Potentialities. <i>Catalysis Letters</i> , <b>2021</b> , 1	2.8	1
405	Risk management strategies and therapeutic modalities to tackle COVID-19/SARS-CoV-2. <i>Journal of Infection and Public Health</i> , <b>2021</b> , 14, 331-346	7.4	6
404	Therapeutic and Biomedical Potentialities of Terpenoids [A Review]. <i>Journal of Pure and Applied Microbiology</i> , <b>2021</b> , 15, 471-483	0.9	7
403	High Throughput Profiling of Flavonoid Abundance in Residue-Valorizing under Explored Mexican Plant. <i>Plants</i> , <b>2021</b> , 10,	4.5	4
402	Socio-Economic and Environmental Impacts of Biomass Valorisation: A Strategic Drive for Sustainable Bioeconomy. <i>Sustainability</i> , <b>2021</b> , 13, 4200	3.6	10
401	Lignin peroxidase in focus for catalytic elimination of contaminants - A critical review on recent progress and perspectives. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 177, 58-82	7.9	38
400	Algae-Derived Bioactive Molecules for the Potential Treatment of SARS-CoV-2. <i>Molecules</i> , <b>2021</b> , 26,	4.8	18
399	Oxidoreductases as a versatile biocatalytic tool to tackle pollutants for clean environment [A review]. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2021</b> ,	3.5	4
398	Gums-Based Bionanostructures for Medical Applications <b>2021</b> , 385-398		3
397	Treatment of lymphomas via regulating the Signal transduction pathways by natural therapeutic approaches: A review. <i>Leukemia Research</i> , <b>2021</b> , 104, 106554	2.7	2
396	Monitoring microbial contamination of antibiotic resistant Escherichia coli isolated from the surface water of urban park in southeastern Brazil. <i>Environmental Nanotechnology, Monitoring and Management</i> , <b>2021</b> , 15, 100438	3.3	5
395	Enzyme-Loaded Flower-Shaped Nanomaterials: A Versatile Platform with Biosensing, Biocatalytic, and Environmental Promise. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	9
394	Trends in predictive biodegradation for sustainable mitigation of environmental pollutants: Recent progress and future outlook. <i>Science of the Total Environment</i> , <b>2021</b> , 770, 144561	10.2	31
393	Environment friendly degradation and detoxification of Congo red dye and textile industry wastewater by a newly isolated Bacillus cohnii (RKS9). <i>Environmental Technology and Innovation</i> , <b>2021</b> , 22, 101425	7	22
392	Implementation of ka-Based Strategy for Scaling Up (Red Marine Microalga) to Produce High-Value Phycoerythrin, Fatty Acids, and Proteins. <i>Marine Drugs</i> , <b>2021</b> , 19,	6	1
391	Nanoclay/Polymer-Based Hydrogels and Enzyme-Loaded Nanostructures for Wound Healing Applications. <i>Gels</i> , <b>2021</b> , 7,	4.2	5
390	Urease-Based Biocatalytic Platforms [A Modern View of a Classic Enzyme with Applied Perspectives]. <i>Catalysis Letters</i> , <b>2021</b> , 1	2.8	1
389	Synthesis and Nano-Sized Characterization of Bioactive Oregano Essential Oil Molecule-Loaded Small Unilamellar Nanoliposomes with Antifungal Potentialities. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3



388	Advances and Applications of Water Phytoremediation: A Potential Biotechnological Approach for the Treatment of Heavy Metals from Contaminated Water. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	5
387	Enzyme mimics in-focus: Redefining the catalytic attributes of artificial enzymes for renewable energy production. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 179, 80-89	7.9	8
386	Effect of protic ionic liquid treatment on the pyrolysis products of lignin extracted from oil palm biomass. <i>Fuel</i> , <b>2021</b> , 291, 120133	7.1	17
385	Environmental impact of emerging contaminants from battery waste: A mini review. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2021</b> , 3, 100104	7.5	9
384	Therapeutic Attributes of Endocannabinoid System against Neuro-Inflammatory Autoimmune Disorders. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
383	Seasonal Dynamics of Microbial Contamination and Antibiotic Resistance in the Water at the Tiet" Ecological Park, Brazil. <i>Water, Air, and Soil Pollution</i> , <b>2021</b> , 232, 1	2.6	5
382	Antidepressants surveillance in wastewater: Overview extraction and detection. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2021</b> , 3, 100074	7.5	9
381	Immobilized Soybean Peroxidase Hybrid Biocatalysts for Efficient Degradation of Various Emerging Pollutants. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	7
380	Deployment of metal-organic frameworks as robust materials for sustainable catalysis and remediation of pollutants in environmental settings. <i>Chemosphere</i> , <b>2021</b> , 272, 129605	8.4	25
379	Exploring current tendencies in techniques and materials for immobilization of laccases - A review. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 181, 683-696	7.9	16
378	Revisiting the Role of Biologically Active Natural and Synthetic Compounds as an Intervention to Treat Injured Nerves. <i>Molecular Neurobiology</i> , <b>2021</b> , 58, 4980-4998	6.2	0
377	Bioremediation of lignin derivatives and phenolics in wastewater with lignin modifying enzymes: Status, opportunities and challenges. <i>Science of the Total Environment</i> , <b>2021</b> , 777, 145988	10.2	32
376	Catalytic transformation of Brassica nigra oil into biodiesel using in-house engineered green catalyst: Development and characterization. <i>Clean Technologies and Environmental Policy</i> , <b>2021</b> , 1	4.3	0
375	Efficacy of low-level laser therapy in nerve injury repair-a new era in therapeutic agents and regenerative treatments. <i>Neurological Sciences</i> , <b>2021</b> , 42, 4029-4043	3.5	2
374	Nano and micro architected cues as smart materials to mitigate recalcitrant pharmaceutical pollutants from wastewater. <i>Chemosphere</i> , <b>2021</b> , 274, 129785	8.4	20
373	Unrevealing the Sources and Catalytic Functions of Phytase with Multipurpose Characteristics. <i>Catalysis Letters</i> , <b>2021</b> , 1	2.8	0
372	as an emerging biotechnological chassis for functional sugars biosynthesis. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 61, 535-552	11.5	18
371	Microneedles in Smart Drug Delivery. <i>Advances in Wound Care</i> , <b>2021</b> , 10, 204-219	4.8	8

370	SARS-CoV-2 coronavirus in water and wastewater: A critical review about presence and concern. <i>Environmental Research</i> , <b>2021</b> , 193, 110265	7.9	69
369	One-pot synthesis and characterization of in-house engineered silver nanoparticles from Flacourtia jangomas fruit extract with effective antibacterial profiles. <i>Journal of Nanostructure in Chemistry</i> , <b>2021</b> , 11, 131-141	7.6	7
368	Diatoms recovery from wastewater: Overview from an ecological and economic perspective. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 39, 101705	6.7	11
367	Tyrosine kinase inhibitors and their unique therapeutic potentialities to combat cancer. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 168, 22-37	7.9	9
366	Robust membranes with tunable functionalities for sustainable oil/water separation. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 321, 114701	6	10
365	Bio-capture and influence of CO <sub>2</sub> on the growth rate and biomass composition of the microalgae <i>Botryococcus braunii</i> and <i>Scenedesmus</i> sp. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2021</b> , 43, 101371	7.6	24
364	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> , <b>2021</b> , 757, 143722	10.2	27
363	Armoring bio-catalysis via structural and functional coordination between nanostructured materials and lipases for tailored applications. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 166, 818-838	7.9	17
362	Portable microfluidic devices for in-field detection of pharmaceutical residues in water: Recent outcomes and current technological situation [A short review]. <i>Case Studies in Chemical and Environmental Engineering</i> , <b>2021</b> , 3, 100069	7.5	1
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356	Biochemical conversion of lignocellulosic waste into renewable energy <b>2021</b> , 147-171		3
355	Biopolymer-based sorbents for emerging pollutants <b>2021</b> , 463-491		2
354	Recent trends on the food wastes valorization to value-added commodities <b>2021</b> , 171-196		1
353	Clean-green technologies for removal of emerging contaminants from industrial effluents <b>2021</b> , 125-145		

352	Enzyme-Oriented Strategies to Mitigate Polluting Agents from Environment. <i>Microorganisms for Sustainability</i> , <b>2021</b> , 267-290	1.1	1
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350	Sustainable management of municipal solid waste to fuel: an overview for a better tomorrow <b>2021</b> , 289-314		
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