

Dai-Viet N Vo

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.

527
papers

12,052
citations

55
h-index

83
g-index

565
ext. papers

17,252
ext. citations

6.8
avg, IF

7.45
L-index

#	Paper	IF	Citations
527	Effective mitigation of single-component and mixed textile dyes from aqueous media using recyclable graphene-based nanocomposite.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
526	Surface-Tailored Medium Entropy Alloys as Radically Low Overpotential Oxygen Evolution Electrocatalysts.. <i>Small</i> , 2022 , e2105611	11	6
525	Green synthesis of ZrO nanoparticles and nanocomposites for biomedical and environmental applications: a review.. <i>Environmental Chemistry Letters</i> , 2022 , 1-23	13.3	9
524	ZnO-based heterostructures as photocatalysts for hydrogen generation and depollution: a review. <i>Environmental Chemistry Letters</i> , 2022 , 20, 1047	13.3	6
523	Mesoporous alumina: A comprehensive review on synthesis strategies, structure, and applications as support for enhanced H ₂ generation via CO ₂ -CH ₄ reforming. <i>International Journal of Hydrogen Energy</i> , 2022 ,	6.7	3
522	Invasive plants as biosorbents for environmental remediation: a review.. <i>Environmental Chemistry Letters</i> , 2022 , 20, 1-31	13.3	2
521	Low-Crystalline AuCuIn Catalyst for Gaseous CO Electrolyzer.. <i>Advanced Science</i> , 2022 , e2104908	13.6	1
520	Adsorptive removal of some Cl-VOC's as dangerous environmental pollutants using feather-like FAO derived from aluminium waste with life cycle analysis.. <i>Chemosphere</i> , 2022 , 133795	8.4	0
519	Development of CuN electrocatalyst for hydrogen evolution reaction in alkaline medium.. <i>Scientific Reports</i> , 2022 , 12, 2004	4.9	1
518	Memristive Devices Based on Two-Dimensional Transition Metal Chalcogenides for Neuromorphic Computing.. <i>Nano-Micro Letters</i> , 2022 , 14, 58	19.5	8
517	Biosorptive ascendency of plant based biosorbents in removing hexavalent chromium from aqueous solutions - Insights into isotherm and kinetic studies.. <i>Environmental Research</i> , 2022 , 112902	7.9	1
516	Synthesis, characterization, and application of ZnFe ₂ O ₄ @ZnO nanoparticles for photocatalytic degradation of Rhodamine B under visible-light illumination. <i>Environmental Technology and Innovation</i> , 2022 , 25, 102130	7	5
515	Green technology for sustainable surface protection of steel from corrosion: a review. <i>Environmental Chemistry Letters</i> , 2022 , 20, 929	13.3	2
514	Suppressing inhibitory compounds by nanomaterials for highly efficient biofuel production: A review. <i>Fuel</i> , 2022 , 312, 122934	7.1	21
513	Novel synthesis methods and applications of MXene-based nanomaterials (MBNs) for hazardous pollutants degradation: Future perspectives.. <i>Chemosphere</i> , 2022 , 293, 133542	8.4	7
512	Functional novel ligand based palladium(II) separation and recovery from e-waste using solvent-ligand approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 632, 127767	5.1	9
511	Recent advances and sustainable development of biofuels production from lignocellulosic biomass. <i>Bioresource Technology</i> , 2022 , 344, 126203	11	14

510	A state-of-the-art review on microbial desalination cells. <i>Chemosphere</i> , 2022 , 288, 132386	8.4	4
509	Accelerated charge transfer in well-designed S-scheme Fe@TiO/Boron carbon nitride heterostructures for high performance tetracycline removal and selective photo-reduction of CO greenhouse gas into CH fuel. <i>Chemosphere</i> , 2022 , 287, 132301	8.4	11
508	Inactivation of fungal spores from clinical environment by silver bio-nanoparticles; optimization, artificial neural network model and mechanism. <i>Environmental Research</i> , 2022 , 204, 111926	7.9	2
507	Current advances in microbial fuel cell technology toward removal of organic contaminants - A review. <i>Chemosphere</i> , 2022 , 287, 132186	8.4	8
506	Emerging cocatalysts in TiO ₂ -based photocatalysts for light-driven catalytic hydrogen evolution: Progress and perspectives. <i>Fuel</i> , 2022 , 307, 121745	7.1	11
505	Evaluating green silver nanoparticles as prospective biopesticides: An environmental standpoint. <i>Chemosphere</i> , 2022 , 286, 131761	8.4	12
504	Recent advancements in microbial fuel cells: A review on its electron transfer mechanisms, microbial community, types of substrates and design for bio-electrochemical treatment. <i>Chemosphere</i> , 2022 , 286, 131856	8.4	14
503	Biomass-derived carbon-based and silica-based materials for catalytic and adsorptive applications- An update since 2010. <i>Chemosphere</i> , 2022 , 287, 132222	8.4	1
502	Reduced graphene oxide-incorporated calcium phosphate cements with pulsed electromagnetic fields for bone regeneration.. <i>RSC Advances</i> , 2022 , 12, 5557-5570	3.7	0
501	Thermochemical conversion of municipal solid waste into energy and hydrogen: a review.. <i>Environmental Chemistry Letters</i> , 2022 , 1-25	13.3	1
500	The nitrogen cycle and mitigation strategies for nitrogen loss during organic waste composting: A review.. <i>Chemosphere</i> , 2022 , 134514	8.4	1
499	Graphitic carbon nitride based immobilized and non-immobilized floating photocatalysts for environmental remediation.. <i>Chemosphere</i> , 2022 , 134229	8.4	2
498	Prospects of MXenes in energy storage applications.. <i>Chemosphere</i> , 2022 , 134225	8.4	5
497	An overview of MXene-Based nanomaterials and their potential applications towards hazardous pollutant adsorption.. <i>Chemosphere</i> , 2022 , 298, 134221	8.4	2
496	Evaluate the role of biochar during the organic waste composting process: A critical review.. <i>Chemosphere</i> , 2022 , 134488	8.4	4
495	Electrochemical conversion of CO to value-added chemicals over bimetallic Pd-based nanostructures: Recent progress and emerging trends.. <i>Environmental Research</i> , 2022 , 113116	7.9	0
494	Electrochemical fabrication of Ni-P-B ternary catalyst for hydrogen production in proton exchange membrane water electrolyzer. <i>International Journal of Energy Research</i> , 2022 , 46, 5988-5996	4.5	1
493	Sustainable adsorbents for the removal of pharmaceuticals from wastewater: A review.. <i>Chemosphere</i> , 2022 , 134597	8.4	0

492	Protein nanofibrils as versatile and sustainable adsorbents for an effective removal of heavy metals from wastewater: A review.. <i>Chemosphere</i> , 2022 , 301, 134635	8.4	0
491	Submolecular Tuning of Ligand Size and Spacing for Dynamic Macrophage Modulation.. <i>Advanced Materials</i> , 2022 , e2110340	24	4
490	Pesticide pollutants in the environment - A critical review on remediation techniques, mechanism and toxicological impact.. <i>Chemosphere</i> , 2022 , 134754	8.4	0
489	Linearized and nonlinearized modellings for comparative uptake assessment of metal-organic framework-derived nanocomposite towards sulfonamide antibiotics. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 63448-63463	5.1	2
488	A global systematic review of the concentrations of Malathion in water matrices: Meta-analysis, and probabilistic risk assessment. <i>Chemosphere</i> , 2021 , 132789	8.4	1
487	A Review of Recent Progress on Photocatalytic Carbon dioxide Reduction into Sustainable Energy Products using Carbon Nitride. <i>Chemical Engineering Research and Design</i> , 2021 ,	5.5	5
486	Metal-Organic-Framework- and MXene-Based Taste Sensors and Glucose Detection. <i>Sensors</i> , 2021 , 21,	3.8	1
485	MXenes based nano-heterojunctions and composites for advanced photocatalytic environmental detoxification and energy conversion: A review. <i>Chemosphere</i> , 2021 , 291, 132923	8.4	5
484	Bio-hydrogen production from steam reforming of liquid biomass wastes and biomass-derived oxygenates: A review. <i>Fuel</i> , 2021 , 122623	7.1	3
483	Effect of microwave/hydrothermal combined ionic liquid pretreatment on straw: Rumen anaerobic fermentation and enzyme hydrolysis. <i>Environmental Research</i> , 2021 , 112453	7.9	2
482	A comprehensive review on the removal of noxious pollutants using carrageenan based advanced adsorbents. <i>Chemosphere</i> , 2021 , 289, 133100	8.4	4
481	Sustainable approaches for nickel removal from wastewater using bacterial biomass and nanocomposite adsorbents: A review. <i>Chemosphere</i> , 2021 , 132862	8.4	1
480	Promotion of methane production by magnetite via increasing acetogenesis revealed by metagenome-assembled genomes.. <i>Bioresource Technology</i> , 2021 , 345, 126521	11	4
479	Strong Fermi-level pinning at metal contacts to halide perovskites. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 15212-15220	7.1	3
478	Sustainable nanotechnology based wastewater treatment strategies: achievements, challenges and future perspectives. <i>Chemosphere</i> , 2021 , 132606	8.4	3
477	Optimization of tetracycline adsorption onto zeoliticimidazolate framework-based carbon using response surface methodology. <i>Surfaces and Interfaces</i> , 2021 , 28, 101549	4.1	4
476	Spent coffee grounds biochar from torrefaction as a potential adsorbent for spilled diesel oil recovery and as an alternative fuel. <i>Energy</i> , 2021 , 122467	7.9	2
475	Nano-structured dynamic Schiff base cues as robust self-healing polymers for biomedical and tissue engineering applications: a review. <i>Environmental Chemistry Letters</i> , 2021 , 1	13.3	4

474	Applying a Novel Sequential Double-Column Fluidized Bed Crystallization Process to the Recovery of Nitrogen, Phosphorus, and Potassium from Swine Wastewater. <i>ACS ES&T Water</i> , 2021 , 1, 707-718		3
473	Techniques and modeling of polyphenol extraction from food: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 1-35	13.3	23
472	Comparison of surface-engineered superparamagnetic nanosorbents with low-cost adsorbents of cellulose, zeolites and biochar for the removal of organic and inorganic pollutants: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 3181-3208	13.3	9
471	Electrochemical conversion of carbon dioxide over silver-based catalysts: Recent progress in cathode structure and interface engineering. <i>Chemical Engineering Science</i> , 2021 , 234, 116403	4.4	5
470	Emerging photocatalysts for air purification. <i>Materials Letters</i> , 2021 , 288, 129355	3.3	7
469	Syngas production from ethanol dry reforming using Cu-based perovskite catalysts promoted with rare earth metals. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	4
468	Effects of anaerobic digestion of food waste on biogas production and environmental impacts: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 2921-2939	13.3	15
467	The war using microbes: A sustainable approach for wastewater management. <i>Environmental Pollution</i> , 2021 , 275, 116598	9.3	16
466	Tailoring the Structure of Low-Dimensional Halide Perovskite through a Room Temperature Solution Process: Role of Ligands.. <i>Small Methods</i> , 2021 , 5, e2100054	12.8	2
465	Microbial degradation of recalcitrant pesticides: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 3209-3228	13.3	17
464	Surface-tailored graphene channels. <i>Npj 2D Materials and Applications</i> , 2021 , 5,	8.8	3
463	Photocatalytic degradation of 2,4-dichlorophenol using bio-green assisted TiO-CeO nanocomposite system. <i>Environmental Research</i> , 2021 , 195, 110852	7.9	11
462	A review on cleaner strategies for extraction of chitosan and its application in toxic pollutant removal. <i>Environmental Research</i> , 2021 , 196, 110996	7.9	25
461	Enhanced Optical Properties and Stability of CsPbBr ₃ Nanocrystals Through Nickel Doping. <i>Advanced Functional Materials</i> , 2021 , 31, 2102770	15.6	20
460	Ultrasonic assisted agro waste biomass for rapid removal of Cd(II) ions from aquatic environment: Mechanism and modelling analysis. <i>Chemosphere</i> , 2021 , 271, 129484	8.4	10
459	Recovery of Magnesium from Industrial Effluent and Its Implication on Carbon Capture and Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6732-6740	8.3	3
458	CO ₂ Reforming of CH ₄ on Mesoporous Alumina-Supported Cobalt Catalyst: Optimization of Lanthana Promoter Loading. <i>Topics in Catalysis</i> , 2021 , 64, 338-347	2.3	1
457	Novel micro-structured carbon-based adsorbents for notorious arsenic removal from wastewater. <i>Chemosphere</i> , 2021 , 272, 129653	8.4	13

456	Performance study on adsorptive removal of acetaminophen from wastewater using silica microspheres: Kinetic and isotherm studies.. <i>Chemosphere</i> , 2021 , 272, 129896	8.4	11
455	BoxBehnken design, kinetic, and isotherm models for oxytetracycline adsorption onto Co-based ZIF-67. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 2347-2359	3.3	2
454	In situ sintered silver decorated 3D structure of cellulose scaffold for highly thermoconductive electromagnetic interference shielding epoxy nanocomposites. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51193	2.9	3
453	Cobalt and nickel oxides supported activated carbon as an effective photocatalysts for the degradation Methylene Blue dye from aquatic environment. <i>Sustainable Chemistry and Pharmacy</i> , 2021 , 21, 100406	3.9	10
452	Greenhouse gas mitigation and hydrogen generation via enhanced ethylene glycol dry reforming on La-promoted Co/Al ₂ O ₃ catalyst. <i>Chemical Engineering Research and Design</i> , 2021 , 150, 356-364	5.5	3
451	Robust magnetic ZnO-FeO Z-scheme heterojunctions with in-built metal-redox for high performance photo-degradation of sulfamethoxazole and electrochemical dopamine detection. <i>Environmental Research</i> , 2021 , 197, 111074	7.9	25
450	A comprehensive review on different approaches for CO ₂ utilization and conversion pathways. <i>Chemical Engineering Science</i> , 2021 , 236, 116515	4.4	41
449	Immunoregulation of Macrophages by Controlling Winding and Unwinding of Nanohelical Ligands. <i>Advanced Functional Materials</i> , 2021 , 31, 2103409	15.6	10
448	Struvite recovery from swine wastewater using fluidized-bed homogeneous granulation process. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105019	6.8	9
447	Recent advancements of spinel ferrite based binary nanocomposite photocatalysts in wastewater treatment. <i>Chemosphere</i> , 2021 , 274, 129734	8.4	30
446	C-doped SnO ₂ nanostructure/MoS ₂ /p-Si electrodes for visible light-driven photoelectrochemical hydrogen evolution reaction. <i>International Journal of Energy Research</i> , 2021 , 45, 18201-18211	4.5	2
445	Core-shell architecture of NiSe ₂ nanoparticles@nitrogen-doped carbon for hydrogen evolution reaction in acidic and alkaline media. <i>International Journal of Energy Research</i> , 2021 , 45, 20463	4.5	4
444	The sunflower plant family for bioenergy, environmental remediation, nanotechnology, medicine, food and agriculture: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 3701-3726	13.3	9
443	Review on the catalytic tri-reforming of methane - Part I: Impact of operating conditions, catalyst deactivation and regeneration. <i>Applied Catalysis A: General</i> , 2021 , 621, 118202	5.1	10
442	Ligand-Assisted Sulfide Surface Treatment of CsPbI ₃ Perovskite Quantum Dots to Increase Photoluminescence and Recovery. <i>ACS Photonics</i> , 2021 , 8, 1979-1987	6.3	10
441	Hydrogen production via CO ₂ CH ₄ reforming over cobalt-supported mesoporous alumina: A kinetic evaluation. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 24742-24753	6.7	4
440	Grain Boundaries Boost Oxygen Evolution Reaction in NiFe Electrocatalysts.. <i>Small Methods</i> , 2021 , 5, e2000755	12.8	7
439	A fuzzy cognitive map approach to predict the hazardous effects of malathion to environment (air, water and soil). <i>Chemosphere</i> , 2021 , 263, 127926	8.4	11

438	Renewable cellulosic nanocomposites for food packaging to avoid fossil fuel plastic pollution: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 613-641	13.3	47
437	Biogenic synthesis of MgO nanoparticles from different extracts (flower, bark, leaf) of <i>Tecoma stans</i> (L.) and their utilization in selected organic dyes treatment. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124146	12.8	51
436	A review on biosynthesis of metal nanoparticles and its environmental applications. <i>Chemosphere</i> , 2021 , 264, 128580	8.4	82
435	Silicate glass matrix@CuO/CuVO p-n heterojunction for enhanced visible light photo-degradation of sulfamethoxazole: High charge separation and interfacial transfer. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123790	12.8	45
434	Green ionic liquids and deep eutectic solvents for desulphurization, denitrification, biomass, biodiesel, bioethanol and hydrogen fuels: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 1001-1023	13.3	14
433	Metal-organic framework-derived MoS _x composites as efficient electrocatalysts for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021 , 852, 156952	5.7	21
432	Data-driven prediction of biomass pyrolysis pathways toward phenolic and aromatic products. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104836	6.8	5
431	Recent developments in photocatalytic remediation of textile effluent using semiconductor based nanostructured catalyst: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104881	6.8	23
430	Enhanced photocatalytic degradation of diclofenac by Sn _{0.15} Mn _{0.85} Fe ₂ O ₄ catalyst under solar light. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104875	6.8	8
429	Environmental friendly and robust Mg _{0.5-x} Cu _x Zn _{0.5} Fe ₂ O ₄ spinel nanoparticles for visible light driven degradation of Carbamazepine: Band shift driven by dopants. <i>Materials Letters</i> , 2021 , 284, 129005	3.3	12
428	A short review on bimetallic Co-based catalysts for carbon dioxide reforming of methane. <i>Materials Today: Proceedings</i> , 2021 , 42, 94-100	1.4	1
427	Hydrothermal production of algal biochar for environmental and fertilizer applications: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 1025-1042	13.3	8
426	Construction of dual Z-scheme g-C ₃ N ₄ /Bi ₄ Ti ₃ O ₁₂ /Bi ₄ O ₅ I ₂ heterojunction for visible and solar powered coupled photocatalytic antibiotic degradation and hydrogen production: Boosting via Bi ³⁺ and Bi ⁵⁺ redox mediators. <i>Applied Catalysis B: Environmental</i> , 2021 , 284, 119808	21.8	109
425	Zeolitic-imidazolate framework-derived N-self-doped porous carbons with ultrahigh theoretical adsorption capacities for tetracycline and ciprofloxacin. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104938	6.8	26
424	Elimination of energy-consuming mechanical stirring: Development of auto-suspending ZnO-based photocatalyst for organic wastewater treatment. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124532	12.8	3
423	Sequential production of hydrogen and methane by anaerobic digestion of organic wastes: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 1043-1063	13.3	13
422	Environmental applications of carbon-based materials: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 557-582	13.3	62
421	Production of optically pure lactic acid by microbial fermentation: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 539-556	13.3	34

4 ²⁰	Techniques of lipid extraction from microalgae for biofuel production: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 231-251	13.3	28
4 ¹⁹	Photocatalysis for removal of environmental pollutants and fuel production: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 441-463	13.3	42
4 ¹⁸	Synthesis of MoS _x /Ni-metal-organic framework-74 composites as efficient electrocatalysts for hydrogen evolution reactions. <i>International Journal of Energy Research</i> , 2021 , 45, 9638-9647	4.5	10
4 ¹⁷	Magnetite nanoparticles as sorbents for dye removal: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 2487-2525	13.3	28
4 ¹⁶	Scalable ultrarobust thermoconductive nonflammable bioinspired papers of graphene nanoplatelet crosslinked aramid nanofibers for thermal management and electromagnetic shielding. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8527-8540	13	13
4 ¹⁵	Highly stable electrochromic cells based on amorphous tungsten oxides prepared using a solution-annealing process. <i>International Journal of Energy Research</i> , 2021 , 45, 8061-8072	4.5	3
4 ¹⁴	A Novel Carbon-Resistant Perovskite Catalyst for Hydrogen Production Using Methane Dry Reforming. <i>Topics in Catalysis</i> , 2021 , 64, 348-356	2.3	2
4 ¹³	Green Synthesis of Zinc Oxide Nanoparticles by <i>Justicia adhatoda</i> Leaves and Their Antimicrobial Activity. <i>Chemical Engineering and Technology</i> , 2021 , 44, 551-558	2	14
4 ¹²	Coke-resistant Y ₂ O ₃ -promoted cobalt supported on mesoporous alumina for enhanced hydrogen production. <i>Journal of the Energy Institute</i> , 2021 , 94, 272-284	5.7	4
4 ¹¹	Recent development of high-performance photocatalysts for N ₂ fixation: A review. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104997	6.8	11
4 ¹⁰	Anti-icing performance on aluminum surfaces and proposed model for freezing time calculation. <i>Scientific Reports</i> , 2021 , 11, 3641	4.9	9
4 ⁰⁹	Simultaneous production of gaseous fuels with degradation of Rhodamine B using a 40 kHz double-bath-type sonoreactor. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 9292-9302	6.7	1
4 ⁰⁸	Sustainable adsorbents for the removal of pesticides from water: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 2425-2463	13.3	19
4 ⁰⁷	A review on critical assessment of advanced bioreactor options for sustainable hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 7113-7136	6.7	10
4 ⁰⁶	Remote Switching of Elastic Movement of Decorated Ligand Nanostructures Controls the Adhesion-Regulated Polarization of Host Macrophages. <i>Advanced Functional Materials</i> , 2021 , 31, 2008698	15.6	4
4 ⁰⁵	Optimization of Pyrolysis Parameters for Production of Biochar From Banana Peels: Evaluation of Biochar Application on the Growth of <i>Ipomoea aquatica</i> . <i>Frontiers in Energy Research</i> , 2021 , 8,	3.8	9
4 ⁰⁴	Techniques to improve the stability of biodiesel: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 2209-2236	13.3	18
4 ⁰³	Graphene-based materials for environmental applications: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 3631-3644	13.3	7

402	Green synthesis of white light emitting carbon quantum dots: Fabrication of white fluorescent film and optical sensor applications. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125091	12.8	9
401	Adsorptional-photocatalytic removal of fast sulphon black dye by using chitin-cl-poly(itaconic acid-co-acrylamide)/zirconium tungstate nanocomposite hydrogel. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125714	12.8	43
400	Biogas upgrading, economy and utilization: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 4137	13.3	13
399	Influence of tin (Sn) doping on CoO for enhanced photocatalytic dye degradation. <i>Chemosphere</i> , 2021 , 277, 130325	8.4	13
398	Statistical analysis of adsorption isotherm models and its appropriate selection. <i>Chemosphere</i> , 2021 , 276, 130176	8.4	32
397	State-of-the-Art of the Synthesis and Applications of Sulfonated Carbon-Based Catalysts for Biodiesel Production: a Review. <i>Energy Technology</i> , 2021 , 9, 2100303	3.5	4
396	Recent progress in green and biopolymer based photocatalysts for the abatement of aquatic pollutants. <i>Environmental Research</i> , 2021 , 199, 111324	7.9	9
395	Metal salt-modified biochars derived from agro-waste for effective congo red dye removal. <i>Environmental Research</i> , 2021 , 200, 111492	7.9	9
394	Advances in physiochemical and biotechnological approaches for sustainable metal recovery from e-waste: A critical review. <i>Journal of Cleaner Production</i> , 2021 , 129015	10.3	9
393	A comparative study of machine learning methods for bio-oil yield prediction - A genetic algorithm-based features selection. <i>Bioresource Technology</i> , 2021 , 335, 125292	11	16
392	Mitigation of organophosphorus insecticides from environment: Residual detoxification by bioweapon catalytic scavengers. <i>Environmental Research</i> , 2021 , 200, 111368	7.9	10
391	WS-WC-WO nano-hollow spheres as an efficient and durable catalyst for hydrogen evolution reaction. <i>Nano Convergence</i> , 2021 , 8, 28	9.2	1
390	Recent progress and challenges in photocatalytic water splitting using layered double hydroxides (LDH) based nanocomposites. <i>International Journal of Hydrogen Energy</i> , 2021 ,	6.7	5
389	SARS-CoV-2 variants and environmental effects of lockdowns, masks and vaccination: a review. <i>Environmental Chemistry Letters</i> , 2021 , 1-12	13.3	4
388	Silver nanowires decorated recycled cigarette filters based epoxy composites with high through-plane thermal conductivity and efficient electromagnetic interference shielding. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 149, 106485	8.4	3
387	Agar/maltodextrin/poly(vinyl alcohol) walled montmorillonite composites for removal of methylene blue from aqueous solutions. <i>Surfaces and Interfaces</i> , 2021 , 26, 101410	4.1	1
386	A review on catalytic-enzyme degradation of toxic environmental pollutants: Microbial enzymes. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126451	12.8	30
385	Advances in biosorbents for removal of environmental pollutants: A review on pretreatment, removal mechanism and future outlook. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126596	12.8	13

384	Application of biomass derived products in mid-size automotive industries: A review. <i>Chemosphere</i> , 2021 , 280, 130723	8.4	11
383	Significance of re-engineered zeolites in climate mitigation A review for carbon capture and separation. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105957	6.8	4
382	Ethylene glycol assisted MnCO ₃ electrocatalyst for water oxidation and hydrogen production application. <i>Fuel</i> , 2021 , 302, 121151	7.1	0
381	Cephalexin removal by a novel Cu-Zn bionanocomposite biosynthesized in secondary metabolic products of <i>Aspergillus arenarioides</i> EAN603 with pumpkin peels medium: Optimization, kinetic and artificial neural network models. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126500	12.8	5
380	Sustainable approach on removal of toxic metals from electroplating industrial wastewater using dissolved air flotation. <i>Journal of Environmental Management</i> , 2021 , 295, 113147	7.9	10
379	Technological perspectives for utilisation of waste glycerol for the production of biofuels: A review. <i>Environmental Technology and Innovation</i> , 2021 , 24, 101902	7	14
378	A review on the microbial degradation of chlorpyrifos and its metabolite TCP. <i>Chemosphere</i> , 2021 , 283, 131447	8.4	11
377	Analysis and effective separation of toxic pollutants from water resources using MBBR: Pathway prediction using alkaliphilic <i>P. mendocina</i> . <i>Science of the Total Environment</i> , 2021 , 797, 149135	10.2	4
376	Recent advances on nickel nano-ferrite: A review on processing techniques, properties and diverse applications. <i>Chemical Engineering Research and Design</i> , 2021 , 175, 182-208	5.5	11
375	Toward practical solar-driven photocatalytic water splitting on two-dimensional MoS ₂ based solid-state Z-scheme and S-scheme heterostructure. <i>Fuel</i> , 2021 , 303, 121302	7.1	10
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223	Extraction Process of Essential Oil from <i>Plectranthus amboinicus</i> Using Microwave-Assisted Hydrodistillation and Evaluation of Its Antibacterial Activity. <i>Asian Journal of Chemistry</i> , 2019 , 31, 977-984	0.4	41

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221	Recent progress in the preparation, properties and applications of superhydrophobic nano-based coatings and surfaces: A review. <i>Progress in Organic Coatings</i> , 2019 , 132, 235-256	4.8	164
220	Tunable Synthesis of Mesoporous Carbons from Fe ₃ O ₄ (BDC) For Chloramphenicol Antibiotic Remediation. <i>Nanomaterials</i> , 2019 , 9,	5.4	26
219	Comment on "removal of hexavalent chromium by biochar supported nZVI composite: Batch and fixed-bed column evaluations, mechanisms, and secondary contamination prevention". <i>Chemosphere</i> , 2019 , 233, 988-990	8.4	6
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217	Promising hydrothermal technique for efficient CO ₂ methanation over Ni/SBA-15. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 20792-20804	6.7	27
216	Non-oxidative decomposition of methane/methanol mixture over mesoporous Ni-Cu/Al ₂ O ₃ Co-doped catalysts. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 20889-20899	6.7	19
215	Methane bi-reforming over boron-doped Ni/SBA-15 catalyst: Longevity evaluation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 20839-20850	6.7	26
214	Hydrogen production via CO ₂ dry reforming of glycerol over ReNi/CaO catalysts. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 20857-20871	6.7	29
213	New direction in research on extraction of Citrus aurantifolia (Lemon fruit) essential oil grown in Mekong Delta - Vietnam via microwave-assisted hydrodistillation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 542, 012038	0.4	2
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211	Catalytic performance of yttrium-doped co/mesoporous alumina catalysts for methane dry reforming 2019 ,		2
210	Response surface modeling and optimizing conditions for anthocyanins extraction from Hibiscus sabdariffa L. (Roselle) grown in Lam Dong, Vietnam. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 544, 012016	0.4	2
209	Production of syngas from ethanol CO ₂ reforming on La-doped Cu/Al ₂ O ₃ : Impact of promoter loading 2019 ,		3
208	Chemoresistive materials for electronic nose: Progress, perspectives, and challenges. <i>Information Materials</i> , 2019 , 1, 289-316	23.1	71
207	Water Splitting Exceeding 17% Solar-to-Hydrogen Conversion Efficiency Using Solution-Processed Ni-Based Electrocatalysts and Perovskite/Si Tandem Solar Cell. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33835-33843	9.5	39
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198	Application of Fe-based metal-organic framework and its pyrolysis products for sulfonamide treatment. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 28106-28126	5.1	19
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195	The Synthesis of N-(Pyridin-2-yl)-Benzamides from Aminopyridine and Trans-Beta-Nitrostyrene by Fe ₂ Ni-BDC Bimetallic Metal-Organic Frameworks. <i>Processes</i> , 2019 , 7, 789	2.9	1
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189	Visible Light Induced Enhanced Photocatalytic Degradation of Industrial Effluents (Rhodamine B) Using BiVO ₄ Nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 542, 012060	0.4	1
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