

# Dai-Viet N Vo

## List of Publications by Year in descending order

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554  
papers

23,375  
citations

8755

75  
h-index

21540

114  
g-index

566  
all docs

566  
docs citations

566  
times ranked

20450  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eco-friendly biosynthesis metallic silver nanoparticles using <i>Aegle marmelos</i> (Indian bael) and its clinical and environmental applications. <i>Applied Nanoscience</i> (Switzerland), 2023, 13, 663-674.	3.1	30
2	Recent progress on MXenes and MOFs hybrids: Structure, synthetic strategies and catalytic water splitting. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 6560-6574.	7.1	58
3	High Catalytic Activity of a Nickel Phosphide Nanocatalyst Supported on Melamine-Doped Activated Carbon for Deoxygenation. <i>Topics in Catalysis</i> , 2023, 66, 22-33.	2.8	1
4	Hydrogen Generation from CO <sub>2</sub> Reforming of Biomass-Derived Methanol on Ni/SiO <sub>2</sub> Catalyst. <i>Topics in Catalysis</i> , 2023, 66, 41-52.	2.8	1
5	Catalytic Gasification of Empty Palm Fruit Bunches Using Charcoal and Bismuth Oxide for Syngas Production. <i>Topics in Catalysis</i> , 2023, 66, 64-74.	2.8	2
6	Two-dimensional Metal-Organic Frameworks and Covalent-Organic Frameworks for Electrocatalysis: Distinct Merits by the Reduced Dimension. <i>Advanced Energy Materials</i> , 2022, 12, 2003990.	19.5	78
7	Two-dimensional hybrid perovskite solar cells: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 189-210.	16.2	10
8	Recent progress and challenges in photocatalytic water splitting using layered double hydroxides (LDH) based nanocomposites. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37438-37475.	7.1	22
9	A state-of-the-art review on microbial desalination cells. <i>Chemosphere</i> , 2022, 288, 132386.	8.2	17
10	Accelerated charge transfer in well-designed S-scheme Fe@TiO <sub>2</sub> /Boron carbon nitride heterostructures for high performance tetracycline removal and selective photo-reduction of CO <sub>2</sub> greenhouse gas into CH <sub>4</sub> fuel. <i>Chemosphere</i> , 2022, 287, 132301.	8.2	35
11	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.	7.5	7
12	Current advances in microbial fuel cell technology toward removal of organic contaminants – A review. <i>Chemosphere</i> , 2022, 287, 132186.	8.2	39
13	Emerging cocatalysts in TiO <sub>2</sub> -based photocatalysts for light-driven catalytic hydrogen evolution: Progress and perspectives. <i>Fuel</i> , 2022, 307, 121745.	6.4	68
14	Evaluating green silver nanoparticles as prospective biopesticides: An environmental standpoint. <i>Chemosphere</i> , 2022, 286, 131761.	8.2	57
15	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.	8.2	80
16	Biomass-derived carbon-based and silica-based materials for catalytic and adsorptive applications- An update since 2010. <i>Chemosphere</i> , 2022, 287, 132222.	8.2	8
17	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.	4.7	29
18	Recent advances and sustainable development of biofuels production from lignocellulosic biomass. <i>Bioresource Technology</i> , 2022, 344, 126203.	9.6	129

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19	Toward Multicomponent Single-Atom Catalysis for Efficient Electrochemical Energy Conversion. ACS Materials Au, 2022, 2, 1-20.	6.0	20
20	Sustainable nanotechnology based wastewater treatment strategies: achievements, challenges and future perspectives. Chemosphere, 2022, 288, 132606.	8.2	41
21	Optimization of tetracycline adsorption onto zeolitic <sup>5</sup> imidazolate framework-based carbon using response surface methodology. Surfaces and Interfaces, 2022, 28, 101549.	3.0	19
22	Spent coffee grounds biochar from torrefaction as a potential adsorbent for spilled diesel oil recovery and as an alternative fuel. Energy, 2022, 239, 122467.	8.8	24
23	Nano-structured dynamic Schiff base cues as robust self-healing polymers for biomedical and tissue engineering applications: a review. Environmental Chemistry Letters, 2022, 20, 495-517.	16.2	18
24	Green remediation of pharmaceutical wastes using biochar: a review. Environmental Chemistry Letters, 2022, 20, 681-704.	16.2	34
25	A global systematic review of the concentrations of Malathion in water matrices: Meta-analysis, and probabilistic risk assessment. Chemosphere, 2022, 291, 132789.	8.2	20
26	A review of recent progress on photocatalytic carbon dioxide reduction into sustainable energy products using carbon nitride. Chemical Engineering Research and Design, 2022, 177, 304-320.	5.6	14
27	Biotechnology and sustainable environmental health management. Chemosphere, 2022, 291, 132798.	8.2	1
28	Synthesis, characterization, and application of ZnFe <sub>2</sub> O <sub>4</sub> nanoparticles for photocatalytic degradation of Rhodamine B under visible-light illumination. Enviro	6.1	60
29	Mixenes based nano-heterojunctions and composites for advanced photocatalytic environmental detoxification and energy conversion: A review. Chemosphere, 2022, 291, 132923.	8.2	27
30	Bio-hydrogen production from steam reforming of liquid biomass wastes and biomass-derived oxygenates: A review. Fuel, 2022, 311, 122623.	6.4	29
31	Effect of microwave/hydrothermal combined ionic liquid pretreatment on straw: Rumen anaerobic fermentation and enzyme hydrolysis. Environmental Research, 2022, 205, 112453.	7.5	17
32	A comprehensive review on the removal of noxious pollutants using carrageenan based advanced adsorbents. Chemosphere, 2022, 289, 133100.	8.2	29
33	Metallic and bimetallic phosphides-based nanomaterials for photocatalytic hydrogen production and water detoxification: a review. Environmental Chemistry Letters, 2022, 20, 597-632.	16.2	12
34	Tungsten Oxide-Modified ITO Electrode for Electrochromic Window Based on Reversible Metal Electrodeposition. Electronic Materials Letters, 2022, 18, 36-46.	2.2	5
35	Sustainable approaches for nickel removal from wastewater using bacterial biomass and nanocomposite adsorbents: A review. Chemosphere, 2022, 291, 132862.	8.2	8
36	Green technology for sustainable surface protection of steel from corrosion: a review. Environmental Chemistry Letters, 2022, 20, 929-947.	16.2	10

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37	Feedstocks, catalysts, process variables and techniques for biodiesel production by one-pot extraction-transesterification: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 335-378.	16.2	18
38	Promotion of methane production by magnetite via increasing acetogenesis revealed by metagenome-assembled genomes. <i>Bioresource Technology</i> , 2022, 345, 126521.	9.6	18
39	Suppressing inhibitory compounds by nanomaterials for highly efficient biofuel production: A review. <i>Fuel</i> , 2022, 312, 122934.	6.4	76
40	Novel synthesis methods and applications of MXene-based nanomaterials (MBNs) for hazardous pollutants degradation: Future perspectives. <i>Chemosphere</i> , 2022, 293, 133542.	8.2	34
41	Ionic liquids for the inhibition of gas hydrates. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2165-2188.	16.2	17
42	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, 29, 32120-32141.	5.3	8
43	Surface-tailored Medium Entropy Alloys as Radically Low Overpotential Oxygen Evolution Electrocatalysts. <i>Small</i> , 2022, 18, e2105611.	10.0	36
44	Green synthesis of ZrO <sub>2</sub> nanoparticles and nanocomposites for biomedical and environmental applications: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1309-1331.	16.2	77
45	Microbial enzymes for green energy and clean environment. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 325-326.	3.2	0
46	ZnO-based heterostructures as photocatalysts for hydrogen generation and depollution: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1047-1081.	16.2	68
47	Microalgae binary culture for higher biomass production, nutrients recycling, and efficient harvesting: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1153-1168.	16.2	18
48	Mesoporous alumina: A comprehensive review on synthesis strategies, structure, and applications as support for enhanced H <sub>2</sub> generation via CO <sub>2</sub> -CH <sub>4</sub> reforming. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 41507-41526.	7.1	12
49	Invasive plants as biosorbents for environmental remediation: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1421-1451.	16.2	39
50	Low-Crystalline AuCuIn Catalyst for Gaseous CO <sub>2</sub> Electrolyzer. <i>Advanced Science</i> , 2022, , 2104908.	11.2	2
51	Adsorptive removal of some Cl-VOC's as dangerous environmental pollutants using feather-like $\gamma$ -Al <sub>2</sub> O <sub>3</sub> derived from aluminium waste with life cycle analysis. <i>Chemosphere</i> , 2022, 295, 133795.	8.2	11
52	Metal-organic-framework based catalyst for hydrogen production: Progress and perspectives. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37552-37568.	7.1	24
53	Development of Cu <sub>3</sub> N electrocatalyst for hydrogen evolution reaction in alkaline medium. <i>Scientific Reports</i> , 2022, 12, 2004.	3.3	14
54	Memristive Devices Based on Two-Dimensional Transition Metal Chalcogenides for Neuromorphic Computing. <i>Nano-Micro Letters</i> , 2022, 14, 58.	27.0	62

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55	Biosorptive ascendancy of plant based biosorbents in removing hexavalent chromium from aqueous solutions – Insights into isotherm and kinetic studies. <i>Environmental Research</i> , 2022, 210, 112902.	7.5	22
56	Advanced catalysts and effect of operating parameters in ethanol dry reforming for hydrogen generation. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1695-1718.	16.2	15
57	Reduced graphene oxide-incorporated calcium phosphate cements with pulsed electromagnetic fields for bone regeneration. <i>RSC Advances</i> , 2022, 12, 5557-5570.	3.6	5
58	Metal organic framework-based nanostructure materials: applications for non-lithium ion battery electrodes. <i>CrystEngComm</i> , 2022, 24, 2925-2947.	2.6	18
59	Applications of Non-precious Transition Metal Oxide Nanoparticles in Electrochemistry. <i>Electroanalysis</i> , 2022, 34, 1065-1091.	2.9	17
60	Thermochemical conversion of municipal solid waste into energy and hydrogen: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1645-1669.	16.2	50
61	Empirical approach for configuring high-entropy catalysts in alkaline water electrolysis. <i>International Journal of Energy Research</i> , 2022, 46, 9938-9947.	4.5	5
62	Control of the morphologies of molybdenum disulfide for hydrogen evolution reaction. <i>International Journal of Energy Research</i> , 2022, 46, 11479-11491.	4.5	8
63	The nitrogen cycle and mitigation strategies for nitrogen loss during organic waste composting: A review. <i>Chemosphere</i> , 2022, 300, 134514.	8.2	78
64	Graphitic carbon nitride based immobilized and non-immobilized floating photocatalysts for environmental remediation. <i>Chemosphere</i> , 2022, 297, 134229.	8.2	35
65	Prospects of MXenes in energy storage applications. <i>Chemosphere</i> , 2022, 297, 134225.	8.2	50
66	An overview of MXene-Based nanomaterials and their potential applications towards hazardous pollutant adsorption. <i>Chemosphere</i> , 2022, 298, 134221.	8.2	34
67	Evaluate the role of biochar during the organic waste composting process: A critical review. <i>Chemosphere</i> , 2022, 299, 134488.	8.2	70
68	Electrochemical conversion of CO <sub>2</sub> to value-added chemicals over bimetallic Pd-based nanostructures: Recent progress and emerging trends. <i>Environmental Research</i> , 2022, 211, 113116.	7.5	4
69	Electrochemical fabrication of Ni-ternary catalyst for hydrogen production in proton exchange membrane water electrolyzer. <i>International Journal of Energy Research</i> , 2022, 46, 5988-5996.	4.5	8
70	Sustainable adsorbents for the removal of pharmaceuticals from wastewater: A review. <i>Chemosphere</i> , 2022, 300, 134597.	8.2	30
71	Electrodeposition: An efficient method to fabricate self-supported electrodes for electrochemical energy conversion systems. <i>Exploration</i> , 2022, 2, .	11.0	21
72	Production of hydrogen and value-added carbon materials by catalytic methane decomposition: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2339-2359.	16.2	23

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73	Protein nanofibrils as versatile and sustainable adsorbents for an effective removal of heavy metals from wastewater: A review. <i>Chemosphere</i> , 2022, 301, 134635.	8.2	9
74	Biopolymer-supported TiO <sub>2</sub> as a sustainable photocatalyst for wastewater treatment: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 3071-3098.	16.2	50
75	Submolecular Ligand Size and Spacing for Cell Adhesion. <i>Advanced Materials</i> , 2022, 34, e2110340.	21.0	13
76	Synthesis of nano-coral tungsten carbide/carbon fibers as efficient catalysts for hydrogen evolution reaction. <i>International Journal of Energy Research</i> , 2022, 46, 13089-13098.	4.5	2
77	Pesticide pollutants in the environment – A critical review on remediation techniques, mechanism and toxicological impact. <i>Chemosphere</i> , 2022, 301, 134754.	8.2	23
78	MOF-derived NiSe <sub>2</sub> nanoparticles grown on carbon fiber as a binder-free and efficient catalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 41587-41595.	7.1	22
79	A GO/CoMo <sub>3</sub> S <sub>13</sub> chalcogen heterostructure with rich catalytic Mo-S-Co bridge sites for the hydrogen evolution reaction. <i>Nanoscale</i> , 2022, 14, 9331-9340.	5.6	5
80	Visible-light driven dual heterojunction formed between g-C <sub>3</sub> N <sub>4</sub> /BiOCl@MXene-Ti <sub>3</sub> C <sub>2</sub> for the effective degradation of tetracycline. <i>Environmental Pollution</i> , 2022, 308, 119597.	7.5	20
81	Recent progress on elemental sulfur based photocatalysts for energy and environmental applications. <i>Chemosphere</i> , 2022, 305, 135477.	8.2	8
82	Dysprosium promotion on Co/Al <sub>2</sub> O <sub>3</sub> catalysts towards enhanced hydrogen generation from methane dry reforming. <i>Fuel</i> , 2022, 324, 124818.	6.4	27
83	Metformin as an emerging concern in wastewater: Occurrence, analysis and treatment methods. <i>Environmental Research</i> , 2022, 213, 113613.	7.5	29
84	Toward syngas production from simulated biogas dry reforming: Promotional effect of calcium on cobalt-based catalysts performance. <i>Fuel</i> , 2022, 326, 125106.	6.4	21
85	Improvements in hydrogen production from methane dry reforming on filament-shaped mesoporous alumina-supported cobalt nanocatalyst. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24781-24790.	7.1	16
86	Recent trends in development of hematite (α-Fe <sub>2</sub> O <sub>3</sub> ) as an efficient photoanode for enhancement of photoelectrochemical hydrogen production by solar water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 23334-23357.	7.1	48
87	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.	5.3	5
88	Hydrogen production via CO <sub>2</sub> /CH <sub>4</sub> reforming over cobalt-supported mesoporous alumina: A kinetic evaluation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24742-24753.	7.1	7
89	Grain Boundaries Boost Oxygen Evolution Reaction in NiFe Electrocatalysts. <i>Small Methods</i> , 2021, 5, 2000755.	8.6	22
90	A fuzzy cognitive map approach to predict the hazardous effects of malathion to environment (air). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	8.2	25

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91	Renewable cellulosic nanocomposites for food packaging to avoid fossil fuel plastic pollution: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 613-641.	16.2	111
92	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.	12.4	91
93	A review on biosynthesis of metal nanoparticles and its environmental applications. <i>Chemosphere</i> , 2021, 264, 128580.	8.2	227
94	Silicate glass matrix@Cu <sub>2</sub> O/Cu <sub>2</sub> V <sub>2</sub> O <sub>7</sub> 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.	12.4	95
95	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.	16.2	43
96	Metal-organic framework-derived MoS <sub>x</sub> composites as efficient electrocatalysts for hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156952.	5.5	48
97	Recent development and applications of sustainable biofuel cells—Editorial. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 3033-3034.	7.1	0
98	Data-driven prediction of biomass pyrolysis pathways toward phenolic and aromatic products. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104836.	6.7	10
99	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.	6.7	75
100	Enhanced photocatalytic degradation of diclofenac by Sn <sub>0.15</sub> Mn <sub>0.85</sub> Fe <sub>2</sub> O <sub>4</sub> catalyst under solar light. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104875.	6.7	19
101	Environmental friendly and robust Mg <sub>0.5-x</sub> Cu <sub>x</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> spinel nanoparticles for visible light driven degradation of Carbamazepine: Band shift driven by dopants. <i>Materials Letters</i> , 2021, 284, 129005.	2.6	22
102	A short review on bimetallic Co-based catalysts for carbon dioxide reforming of methane. <i>Materials Today: Proceedings</i> , 2021, 42, 94-100.	1.8	3
103	Hydrothermal production of algal biochar for environmental and fertilizer applications: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1025-1042.	16.2	27
104	Construction of dual Z-scheme g-C <sub>3</sub> N <sub>4</sub> /Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> /Bi <sub>4</sub> O <sub>5</sub> I <sub>2</sub> heterojunction for visible and solar powered coupled photocatalytic antibiotic degradation and hydrogen production: Boosting via $l\hat{a}^{\sim}/l\hat{3}\hat{a}^{\sim}$ and Bi <sup>3+</sup> /Bi <sup>5+</sup> redox mediators. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119808.	20.2	252
105	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.	6.7	48
106	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.	12.4	10
107	Sequential production of hydrogen and methane by anaerobic digestion of organic wastes: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1043-1063.	16.2	38
108	Environmental applications of carbon-based materials: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 557-582.	16.2	156



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109	Production of optically pure lactic acid by microbial fermentation: a review. Environmental Chemistry Letters, 2021, 19, 539-556.	16.2	72
110	Techniques of lipid extraction from microalgae for biofuel production: a review. Environmental Chemistry Letters, 2021, 19, 231-251.	16.2	61
111	Photocatalysis for removal of environmental pollutants and fuel production: a review. Environmental Chemistry Letters, 2021, 19, 441-463.	16.2	140
112	Synthesis of MoS <sub>2</sub> /Ni-metal-organic framework composites as efficient electrocatalysts for hydrogen evolution reactions. International Journal of Energy Research, 2021, 45, 9638-9647.	4.5	32
113	Magnetite nanoparticles as sorbents for dye removal: a review. Environmental Chemistry Letters, 2021, 19, 2487-2525.	16.2	116
114	Scalable ultrarobust thermoconductive nonflammable bioinspired papers of graphene nanoplatelet crosslinked aramid nanofibers for thermal management and electromagnetic shielding. Journal of Materials Chemistry A, 2021, 9, 8527-8540.	10.3	53
115	Editorial: Energy and Resource Valorization of Biomass and Waste Toward Sustainable Environment via Thermochemical and Biological Application. Frontiers in Energy Research, 2021, 8, .	2.3	0
116	Highly stable electrochromic cells based on amorphous tungsten oxides prepared using a solution-annealing process. International Journal of Energy Research, 2021, 45, 8061-8072.	4.5	12
117	A Novel Carbon-Resistant Perovskite Catalyst for Hydrogen Production Using Methane Dry Reforming. Topics in Catalysis, 2021, 64, 348-356.	2.8	7
118	Green Synthesis of Zinc Oxide Nanoparticles by <i>Justicia adhatoda</i> Leaves and Their Antimicrobial Activity. Chemical Engineering and Technology, 2021, 44, 551-558.	1.5	41
119	Coke-resistant Y <sub>2</sub> O <sub>3</sub> -promoted cobalt supported on mesoporous alumina for enhanced hydrogen production. Journal of the Energy Institute, 2021, 94, 272-284.	5.3	13
120	Recent development of high-performance photocatalysts for N <sub>2</sub> fixation: A review. Journal of Environmental Chemical Engineering, 2021, 9, 104997.	6.7	33
121	Anti-icing performance on aluminum surfaces and proposed model for freezing time calculation. Scientific Reports, 2021, 11, 3641.	3.3	20
122	Simultaneous production of gaseous fuels with degradation of Rhodamine B using a 40 kHz double-bath-type sonoreactor. International Journal of Hydrogen Energy, 2021, 46, 9292-9302.	7.1	6
123	Sustainable adsorbents for the removal of pesticides from water: a review. Environmental Chemistry Letters, 2021, 19, 2425-2463.	16.2	61
124	A review on critical assessment of advanced bioreactor options for sustainable hydrogen production. International Journal of Hydrogen Energy, 2021, 46, 7113-7136.	7.1	38
125	Remote Switching of Elastic Movement of Decorated Ligand Nanostructures Controls the Adhesion-Regulated Polarization of Host Macrophages. Advanced Functional Materials, 2021, 31, 2008698.	14.9	15
126	Optimization of Pyrolysis Parameters for Production of Biochar From Banana Peels: Evaluation of Biochar Application on the Growth of <i>Ipomoea aquatica</i> . Frontiers in Energy Research, 2021, 8, .	2.3	23



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127	Techniques to improve the stability of biodiesel: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2209-2236.	16.2	43
128	Techniques and modeling of polyphenol extraction from food: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3409-3443.	16.2	107
129	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.	16.2	22
130	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.	3.8	15
131	Emerging photocatalysts for air purification. <i>Materials Letters</i> , 2021, 288, 129355.	2.6	13
132	Syngas production from ethanol dry reforming using Cu-based perovskite catalysts promoted with rare earth metals. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24845-24854.	7.1	17
133	Effects of anaerobic digestion of food waste on biogas production and environmental impacts: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2921-2939.	16.2	71
134	The war using microbes: A sustainable approach for wastewater management. <i>Environmental Pollution</i> , 2021, 275, 116598.	7.5	31
135	Tailoring the Structure of Low-Dimensional Halide Perovskite through a Room Temperature Solution Process: Role of Ligands. <i>Small Methods</i> , 2021, 5, e2100054.	8.6	8
136	Microbial degradation of recalcitrant pesticides: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3209-3228.	16.2	58
137	Surface-tailored graphene channels. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	7.9	12
138	Photocatalytic degradation of 2,4-dichlorophenol using bio-green assisted TiO <sub>2</sub> @CeO <sub>2</sub> nanocomposite system. <i>Environmental Research</i> , 2021, 195, 110852.	7.5	26
139	A review on cleaner strategies for extraction of chitosan and its application in toxic pollutant removal. <i>Environmental Research</i> , 2021, 196, 110996.	7.5	54
140	Enhanced Optical Properties and Stability of CsPbBr <sub>3</sub> Nanocrystals Through Nickel Doping. <i>Advanced Functional Materials</i> , 2021, 31, 2102770.	14.9	59
141	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.	8.2	23
142	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.	6.7	10
143	CO <sub>2</sub> Reforming of CH <sub>4</sub> on Mesoporous Alumina-Supported Cobalt Catalyst: Optimization of Lanthana Promoter Loading. <i>Topics in Catalysis</i> , 2021, 64, 338-347.	2.8	8
144	Novel micro-structured carbon-based adsorbents for notorious arsenic removal from wastewater. <i>Chemosphere</i> , 2021, 272, 129653.	8.2	51

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145	Performance study on adsorptive removal of acetaminophen from wastewater using silica microspheres: Kinetic and isotherm studies. <i>Chemosphere</i> , 2021, 272, 129896.	8.2	28
146	Boxâ€Behnken design, kinetic, and isotherm models for oxytetracycline adsorption onto Co-based ZIF-67. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2347-2359.	3.1	23
147	In situ sintered silver decorated <sc>3D</sc> structure of cellulose scaffold for highly thermoconductive electromagnetic interference shielding epoxy nanocomposites. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51193.	2.6	5
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