

Van Thuan Le

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,852
citations

201385

27
h-index

288905

40
g-index

61
all docs

61
docs citations

61
times ranked

1158
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic degradation of methyl orange dye by Ti ₃ C ₂ @TiO ₂ heterojunction under solar light. <i>Chemosphere</i> , 2021, 276, 130154.	4.2	106
2	Novel biogenic silver and gold nanoparticles for multifunctional applications: Green synthesis, catalytic and antibacterial activity, and colorimetric detection of Fe(III) ions. <i>Chemosphere</i> , 2022, 287, 132271.	4.2	93
3	Photocatalytic-persulfate-oxidation for diclofenac removal from aqueous solutions: Modeling, optimization and biotoxicity test assessment. <i>Chemosphere</i> , 2021, 266, 129158.	4.2	92
4	Cu ₂ O/Fe ₃ O ₄ /MIL-101(Fe) nanocomposite as a highly efficient and recyclable visible-light-driven catalyst for degradation of ciprofloxacin. <i>Environmental Research</i> , 2021, 201, 111593.	3.7	88
5	Natural core-shell structure activated carbon beads derived from <i>Litsea glutinosa</i> seeds for removal of methylene blue: Facile preparation, characterization, and adsorption properties. <i>Environmental Research</i> , 2021, 198, 110481.	3.7	72
6	Experimental and computational investigation on interaction mechanism of Rhodamine B adsorption and photodegradation by zeolite imidazole frameworks-8. <i>Applied Surface Science</i> , 2021, 538, 148065.	3.1	69
7	A review on graphene-based electrochemical sensor for mycotoxins detection. <i>Food and Chemical Toxicology</i> , 2021, 148, 111931.	1.8	69
8	Preparation of magnetic graphene oxide/chitosan composite beads for effective removal of heavy metals and dyes from aqueous solutions. <i>Chemical Engineering Communications</i> , 2019, 206, 1337-1352.	1.5	60
9	TiO ₂ /Ti ₃ C ₂ /g-C ₃ N ₄ ternary heterojunction for photocatalytic hydrogen evolution. <i>Chemosphere</i> , 2021, 285, 131429.	4.2	59
10	Decontamination of toxic Malathion pesticide in aqueous solutions by Fenton-based processes: Degradation pathway, toxicity assessment and health risk assessment. <i>Journal of Hazardous Materials</i> , 2022, 423, 127016.	6.5	59
11	Cu/Fe ₃ O ₄ @carboxylate-rich carbon composite: One-pot synthesis, characterization, adsorption and photo-Fenton catalytic activities. <i>Materials Research Bulletin</i> , 2020, 129, 110913.	2.7	54
12	Flexible and high-sensitivity sensor based on Ti ₃ C ₂ @MoS ₂ MXene composite for the detection of toxic gases. <i>Chemosphere</i> , 2022, 291, 133025.	4.2	52
13	Spotlighting graphene-based catalysts for the mitigation of environmentally hazardous pollutants to cleaner production: A review. <i>Journal of Cleaner Production</i> , 2022, 365, 132702.	4.6	48
14	Solar-light-driven photocatalytic degradation of methyl orange dye over Co ₃ O ₄ -ZnO nanoparticles. <i>Materials Letters</i> , 2021, 284, 128902.	1.3	47
15	Graphene-based materials for metronidazole degradation: A comprehensive review. <i>Chemosphere</i> , 2022, 286, 131727.	4.2	44
16	Fabrication of Fe ₃ O ₄ /CuO@C composite from MOF-based materials as an efficient and magnetically separable photocatalyst for degradation of ciprofloxacin antibiotic. <i>Chemosphere</i> , 2021, 270, 129417.	4.2	41
17	Efficient photocatalytic degradation of crystal violet under natural sunlight using Fe ₃ O ₄ /ZnO nanoparticles embedded carboxylate-rich carbon. <i>Materials Letters</i> , 2021, 283, 128749.	1.3	39
18	One-pot synthesis of a novel magnetic activated carbon/clay composite for removal of heavy metals from aqueous solution. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 1761-1776.	1.3	35

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19	Efficient and fast degradation of 4-nitrophenol and detection of Fe(III) ions by <i>Poria cocos</i> extract stabilized silver nanoparticles. <i>Chemosphere</i> , 2022, 286, 131894.	4.2	35
20	A Novel Cross-Linked Magnetic Hydroxyapatite/Chitosan Composite: Preparation, Characterization, and Application for Ni(II) Ion Removal from Aqueous Solution. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	34
21	Adsorption of Ni(II) ions by magnetic activated carbon/chitosan beads prepared from spent coffee grounds, shrimp shells and green tea extract. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 2817-2832.	1.2	34
22	Utilization of waste plastic pet bottles to prepare copper-1,4-benzenedicarboxylate metal-organic framework for methylene blue removal. <i>Separation Science and Technology</i> , 2020, 55, 444-455.	1.3	33
23	Graphene-based nanomaterial for desalination of water: A systematic review and meta-analysis. <i>Food and Chemical Toxicology</i> , 2021, 148, 111964.	1.8	33
24	Graphene-based membrane techniques for heavy metal removal: A critical review. <i>Environmental Technology and Innovation</i> , 2021, 24, 101863.	3.0	33
25	Green synthesis of Nb-doped ZnO nanocomposite for photocatalytic degradation of tetracycline antibiotic under visible light. <i>Materials Letters</i> , 2022, 308, 131129.	1.3	32
26	Remediation of pharmaceuticals from contaminated water by molecularly imprinted polymers: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2629-2664.	8.3	32
27	Ag@ZnO porous nanoparticle wrapped by rGO for the effective CO ₂ electrochemical reduction. <i>Chemical Engineering Science</i> , 2021, 232, 116381.	1.9	30
28	Biosynthesis of Gold Nanoparticles Using <i>Litsea cubeba</i> Fruit Extract for Catalytic Reduction of 4-Nitrophenol. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-10.	1.5	29
29	High-efficient reduction of methylene blue and 4-nitrophenol by silver nanoparticles embedded in magnetic graphene oxide. <i>Environmental Science and Pollution Research</i> , 2023, 30, 71543-71553.	2.7	26
30	A comprehensive review on MXenes as new nanomaterials for degradation of hazardous pollutants: Deployment as heterogeneous sonocatalysis. <i>Chemosphere</i> , 2022, 287, 132387.	4.2	26
31	Excellent photocatalytic activity of ternary Ag@WO ₃ @rGO nanocomposites under solar simulation irradiation. <i>Journal of Science: Advanced Materials and Devices</i> , 2021, 6, 108-117.	1.5	25
32	The Fenton-like reaction for Arsenic removal from groundwater: Health risk assessment. <i>Environmental Research</i> , 2021, 202, 111698.	3.7	25
33	Biosynthesis of Silver and Gold Nanoparticles Using Aqueous Extract of <i>Codonopsis pilosula</i> Roots for Antibacterial and Catalytic Applications. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-18.	1.5	23
34	Effective reduction of nitrophenols and colorimetric detection of Pb(II) ions by <i>Siraitia grosvenorii</i> fruit extract capped gold nanoparticles. <i>RSC Advances</i> , 2021, 11, 15438-15448.	1.7	20
35	Graphene derivatives in bioplastic: A comprehensive review of properties and future perspectives. <i>Chemosphere</i> , 2022, 286, 131892.	4.2	20
36	Comparative study on adsorption of cationic and anionic dyes by nanomagnetite supported on biochar derived from <i>Eichhornia crassipes</i> and <i>Phragmites australis</i> stems. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100569.	1.7	18

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37	Artificial Neural Networks for Predicting Hydrogen Production in Catalytic Dry Reforming: A Systematic Review. <i>Energies</i> , 2021, 14, 2894.	1.6	17
38	Metal-organic-framework-derived metals and metal compounds as electrocatalysts for oxygen evolution reaction: A review. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 19590-19608.	3.8	17
39	Immobilization of C/Ce-codoped ZnO nanoparticles on multi-walled carbon nanotubes for enhancing their photocatalytic activity. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 1311-1322.	1.3	16
40	A state-of-the-art review on graphene-based nanomaterials to determine antibiotics by electrochemical techniques. <i>Environmental Research</i> , 2022, 208, 112744.	3.7	16
41	Novel biogenic gold nanoparticles stabilized on poly(styrene-co-maleic anhydride) as an effective material for reduction of nitrophenols and colorimetric detection of Pb(II). <i>Environmental Research</i> , 2022, 212, 113281.	3.7	16
42	Iron-doped copper 1,4-benzenedicarboxylate as photo-Fenton catalyst for degradation of methylene blue. <i>Toxicological and Environmental Chemistry</i> , 2019, 101, 13-25.	0.6	15
43	Removal of Pb(ii) ions from aqueous solution using a novel composite adsorbent of Fe ₃ O ₄ /PVA/spent coffee grounds. <i>Separation Science and Technology</i> , 2019, 54, 3070-3081.	1.3	14
44	Non-woven polyester fabric-supported cuprous oxide/reduced graphene oxide nanocomposite for photocatalytic degradation of methylene blue. <i>Journal of Materials Science</i> , 2021, 56, 10353-10366.	1.7	13
45	Novel of TiO ₂ /Ag ₃ PO ₄ /Bentonite Composite Photocatalyst: Preparation, Characterization, and Application for Degradation of Methylene Blue in Aqueous Solution. <i>Environmental Engineering Science</i> , 2019, 36, 71-80.	0.8	12
46	Green synthesis of silver nanoparticles using <i>Aganoneion polymorphum</i> leaves extract and evaluation of their antibacterial and catalytic activity. <i>Materials Research Express</i> , 2019, 6, 1150g1.	0.8	11
47	Nanosized Zincated Hydroxyapatite as a Promising Heterogeneous Photo-Fenton-Like Catalyst for Methylene Blue Degradation. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-9.	1.0	10
48	Silver and Gold Nanoparticles from <i>Limnophila rugosa</i> Leaves: Biosynthesis, Characterization, and Catalytic Activity in Reduction of Nitrophenols. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-11.	1.5	10
49	Facile Synthesis of Propranolol and Novel Derivatives. <i>Journal of Chemistry</i> , 2020, 2020, 1-10.	0.9	8
50	Enhancing electrochemical performance of sodium Prussian blue cathodes for sodium-ion batteries via optimizing alkyl carbonate electrolytes. <i>Ceramics International</i> , 2021, 47, 30164-30171.	2.3	8
51	Novel $\hat{\pm}$ -Mangostin Derivatives from Mangosteen (<i>Garcinia mangostana</i> L.) Peel Extract with Antioxidant and Anticancer Potential. <i>Journal of Chemistry</i> , 2021, 2021, 1-12.	0.9	7
52	Utilization of Mn-Doped ZnSe/ZnS Core/Shell Quantum Dots for Rapid Detection of <i>Escherichia coli</i> O157:H7 and Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-10.	1.0	5
53	A novel gold nanoparticle-based colorimetric assay for highly sensitive detection of ascorbic acid. <i>Materials Letters</i> , 2022, 309, 131307.	1.3	5
54	Differential pulse voltammetry determination of salbutamol using disulfite tungsten/activated carbon modified glassy carbon electrode. <i>Chemosphere</i> , 2022, 303, 135202.	4.2	4

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55	Highly Effective Degradation of Nitrophenols by Biometal Nanoparticles Synthesized using Caulis Spatholobi Extract. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-11.	1.5	3
56	Manufacturing of Chamotte Refractory Brick from Clay Sources in Vietnam. <i>Journal of Engineering Science and Technology Review</i> , 2018, 11, 25-30.	0.2	3
57	A state-of-the-art review on the nanomaterial-based sensor for detection of venlafaxine. <i>Chemosphere</i> , 2022, 297, 134116.	4.2	3
58	Design synthesis of Y-90 glass microspheres and study of their therapeutic effects on mouse liver cancer cell line Hep3B. <i>Chemosphere</i> , 2022, 299, 134431.	4.2	3
59	Synthesis, characterization, and sorption activity of novel azo-colorants derived from phloroglucinol and antipyrine and their metal complexes. <i>RSC Advances</i> , 2021, 12, 888-898.	1.7	1
60	Study on Adsorption of Nickel and Methylene Blue in Aqueous Solution by Magnetic Carboxylate-Rich Carbon. <i>VNU Journal of Science Earth and Environmental Sciences</i> , 2021, 37, .	0.1	0
61	Removal of nickel and methylene blue from aqueous solutions by steel slag as a low cost adsorbent. <i>Vietnam Journal of Science Technology and Engineering</i> , 2017, 59, 7-13.	0.1	0