

Thuan Van Tran

List of Publications by Year in descending order

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67
papers

2,442
citations

159358

30
h-index

223531

46
g-index

67
all docs

67
docs citations

67
times ranked

1722
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycerol-plasticized chitosan film for the preservation of orange. <i>Journal of Food Safety</i> , 2022, 42, e12943.	1.1	16
2	Optimization of tetracycline adsorption onto zeolitic-imidazolate framework-based carbon using response surface methodology. <i>Surfaces and Interfaces</i> , 2022, 28, 101549.	1.5	19
3	Zeolitic-imidazolate framework-derived carbon nanoparticles for photocatalytic degradation of Rhodamine B under visible light illumination.	3.0	60
4	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.	2.7	8
5	Green synthesis of ZrO ₂ nanoparticles and nanocomposites for biomedical and environmental applications: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1309-1331.	8.3	77
6	Kinetic, equilibrium, adsorption mechanisms of cationic and anionic dyes on N-doped porous carbons produced from zeolitic-imidazolate framework. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 10723-10736.	1.8	9
7	Invasive plants as biosorbents for environmental remediation: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1421-1451.	8.3	39
8	Formation, antimicrobial activity, and biomedical performance of plant-based nanoparticles: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2531-2571.	8.3	39
9	Occurrence, toxicity and adsorptive removal of the chloramphenicol antibiotic in water: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1929-1963.	8.3	66
10	Recent advances on botanical biosynthesis of nanoparticles for catalytic, water treatment and agricultural applications: A review. <i>Science of the Total Environment</i> , 2022, 827, 154160.	3.9	56
11	A chemometric approach based on Box-Behnken and response surface methodology for design and optimization of ciprofloxacin adsorption from water. <i>Chemical Papers</i> , 2022, 76, 4873-4883.	1.0	4
12	Highly efficient one-pot conversion of saccharides to 2,5-dimethylfuran using P-UiO-66 and Ni-Co@NC noble metal-free catalysts. <i>Green Chemistry</i> , 2022, 24, 5070-5076.	4.6	11
13	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.	2.7	5
14	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.	6.5	91
15	Response surface methodology modeling for methylene blue removal by chemically modified porous carbon: Adsorption mechanism and role of surface functional groups. <i>Separation Science and Technology</i> , 2021, 56, 2232-2242.	1.3	7
16	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.	3.3	48
17	Crystal violet degradation over BiVO ₄ photocatalyst under visible light irradiation. <i>Chemical Engineering Communications</i> , 2021, 208, 530-538.	1.5	8
18	Development of Antibacterial, Antioxidant, and UV-Barrier Chitosan Film Incorporated with Piper betle Linn Oil as Active Biodegradable Packaging Material. <i>Coatings</i> , 2021, 11, 351.	1.2	8

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19	Removal of cationic dye using polyvinyl alcohol membrane functionalized by D-glucose and agar. <i>Journal of Water Process Engineering</i> , 2021, 40, 101982.	2.6	20
20	Enhanced Photocatalytic Activity of Spherical Nd ³⁺ Substituted ZnFe ₂ O ₄ Nanoparticles. <i>Materials</i> , 2021, 14, 2054.	1.3	23
21	Box-Behnken design, kinetic, and isotherm models for oxytetracycline adsorption onto Co-based ZIF-67. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2347-2359.	1.6	23
22	The sunflower plant family for bioenergy, environmental remediation, nanotechnology, medicine, food and agriculture: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3701-3726.	8.3	25
23	Development of poly (vinyl alcohol)/agar/maltodextrin coating containing silver nanoparticles for banana (<i>Musa acuminata</i>) preservation. <i>Food Packaging and Shelf Life</i> , 2021, 29, 100740.	3.3	27
24	Agar/maltodextrin/poly(vinyl alcohol) walled montmorillonite composites for removal of methylene blue from aqueous solutions. <i>Surfaces and Interfaces</i> , 2021, 26, 101410.	1.5	5
25	Multifunctional ZnO nanoparticles bio-fabricated from <i>Canna indica</i> L. flowers for seed germination, adsorption, and photocatalytic degradation of organic dyes. <i>Journal of Hazardous Materials</i> , 2021, 420, 126586.	6.5	90
26	Engineering conversion of Asteraceae plants into biochars for exploring potential applications: A review. <i>Science of the Total Environment</i> , 2021, 797, 149195.	3.9	33
27	Decoration of silver nanoparticles on nitrogen-doped nanoporous carbon derived from zeolitic imidazole framework-8 (ZIF-8) via in situ auto-reduction. <i>RSC Advances</i> , 2021, 11, 6614-6619.	1.7	4
28	Gasification of refuse-derived fuel from municipal solid waste for energy production: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 2127-2140.	8.3	109
29	MIL-53 (Fe) derived magnetic porous carbon as a robust adsorbent for the removal of phenolic compounds under the optimized conditions. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 102902.	3.3	48
30	Central composite design for optimizing the organic dyes remediation utilizing novel graphene oxide@CoFe ₂ O ₄ nanocomposite. <i>Surfaces and Interfaces</i> , 2020, 21, 100687.	1.5	18
31	Hexagonal Fe-based MIL-88B nanocrystals with NH ₂ functional groups accelerating oxytetracycline capture via hydrogen bonding. <i>Surfaces and Interfaces</i> , 2020, 20, 100605.	1.5	26
32	Recyclable Fe ₃ O ₄ @C nanocomposite as potential adsorbent for a wide range of organic dyes and simulated hospital effluents. <i>Environmental Technology and Innovation</i> , 2020, 20, 101122.	3.0	32
33	Facile solvothermal synthesis of highly active monoclinic scheelite BiVO ₄ for photocatalytic degradation of methylene blue under white LED light irradiation. <i>Arabian Journal of Chemistry</i> , 2020, 13, 8388-8394.	2.3	19
34	Metal-organic framework HKUST-1-based Cu/Cu ₂ O/CuO@C porous composite: Rapid synthesis and uptake application in antibiotics remediation. <i>Journal of Water Process Engineering</i> , 2020, 36, 101319.	2.6	41
35	BiVO ₄ photocatalysis design and applications to oxygen production and degradation of organic compounds: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1779-1801.	8.3	100
36	Development of Response Surface Methodology for Optimization of Congo Red Adsorption Utilizing Exfoliated Graphite As An Efficient Adsorbent. <i>Materials Today: Proceedings</i> , 2020, 22, 2341-2350.	0.9	5

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37	Microwave-assisted solvothermal fabrication of hybrid zeoliticâ€™imidazolate framework (ZIF-8) for optimizing dyes adsorption efficiency using response surface methodology. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104189.	3.3	58
38	Optimization, equilibrium, adsorption behavior and role of surface functional groups on graphene oxide-based nanocomposite towards diclofenac drug. <i>Journal of Environmental Sciences</i> , 2020, 93, 137-150.	3.2	76
39	High performance of Mn ₂ (BDC) ₂ (DMF) ₂ -derived MnO@C nanocomposite as superior remediator for a series of emergent antibiotics. <i>Journal of Molecular Liquids</i> , 2020, 308, 113038.	2.3	28
40	Conversion of Carbon Dioxide into Formaldehyde. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 159-183.	0.3	2
41	Effect of thermolysis condition on characteristics and nonsteroidal anti-inflammatory drugs (NSAIDs) adsorbability of Fe-MIL-88B-derived mesoporous carbons. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103356.	3.3	35
42	Kinetics, Isotherm, Thermodynamics, and Recyclability of Exfoliated Graphene-Decorated MnFe ₂ O ₄ Nanocomposite Towards Congo Red Dye. <i>Journal of Chemistry</i> , 2019, 2019, 1-16.	0.9	9
43	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.	2.7	32
44	Response surface methodology-optimized removal of chloramphenicol pharmaceutical from wastewater using Cu ₃ (BTC) ₂ -derived porous carbon as an efficient adsorbent. <i>Comptes Rendus Chimie</i> , 2019, 22, 794-803.	0.2	37
45	Amino-functionalized MIL-88B(Fe)-based porous carbon for enhanced adsorption toward ciprofloxacin pharmaceutical from aquatic solutions. <i>Comptes Rendus Chimie</i> , 2019, 22, 804-812.	0.2	43
46	The Synthesis of N-(Pyridin-2-yl)-Benzamides from Aminopyridine and Trans-Beta-Nitrostyrene by Fe ₂ Ni-BDC Bimetallic Metalâ€™Organic Frameworks. <i>Processes</i> , 2019, 7, 789.	1.3	8
47	Process Optimization by a Response Surface Methodology for Adsorption of Congo Red Dye onto Exfoliated Graphite-Decorated MnFe ₂ O ₄ Nanocomposite: The Pivotal Role of Surface Chemistry. <i>Processes</i> , 2019, 7, 305.	1.3	32
48	A hollow mesoporous carbon from metal-organic framework for robust adsorbability of ibuprofen drug in water. <i>Royal Society Open Science</i> , 2019, 6, 190058.	1.1	30
49	Combined Minimum-Run Resolution IV and Central Composite Design for Optimized Removal of the Tetracycline Drug Over Metalâ€™Organic Framework-Templated Porous Carbon. <i>Molecules</i> , 2019, 24, 1887.	1.7	30
50	Gold@silica catalyst: Porosity of silica shells switches catalytic reactions. <i>Chemical Physics Letters</i> , 2019, 728, 80-86.	1.2	12
51	Metal-Organic Framework MIL-53(Fe) as an Adsorbent for Ibuprofen Drug Removal from Aqueous Solutions: Response Surface Modeling and Optimization. <i>Journal of Chemistry</i> , 2019, 2019, 1-11.	0.9	46
52	Facile synthesis of manganese oxide-embedded mesoporous carbons and their adsorbability towards methylene blue. <i>Chemosphere</i> , 2019, 227, 455-461.	4.2	45
53	Synthesis and magnetic properties of graphene oxide-decorated cobalt, manganese and nickel ferrite nanoparticles prepared by polymerized route. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 479, 012114.	0.3	6
54	Tunable Synthesis of Mesoporous Carbons from Fe ₃ O(BDC) ₃ for Chloramphenicol Antibiotic Remediation. <i>Nanomaterials</i> , 2019, 9, 237.	1.9	32

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55	CoFe ₂ O ₄ Nanomaterials: Effect of Annealing Temperature on Characterization, Magnetic, Photocatalytic, and Photo-Fenton Properties. <i>Processes</i> , 2019, 7, 885.	1.3	77
56	A Simple Route for the Synthesis of Fe/C composite derived from the metal-organic framework MIL-53 (Fe). <i>Materials Today: Proceedings</i> , 2019, 18, 2422-2429.	0.9	5
57	Adsorption behavior of Congo red dye from aqueous solutions onto exfoliated graphite as an adsorbent: Kinetic and isotherm studies. <i>Materials Today: Proceedings</i> , 2019, 18, 4449-4457.	0.9	12
58	MIL-53 (Fe)-directed synthesis of hierarchically mesoporous carbon and its utilization for ciprofloxacin antibiotic remediation. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102881.	3.3	64
59	The Preparation and Characterization of Expanded Graphite via Microwave Irradiation and Conventional Heating for the Purification of Oil Contaminated Water. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1122-1125.	0.9	28
60	Enhanced adsorption of methylene blue onto graphene oxide-doped XFe ₂ O ₄ (X = Co, Mn, Ni) nanocomposites: kinetic, isothermal, thermodynamic and recyclability studies. <i>Research on Chemical Intermediates</i> , 2018, 44, 1661-1687.	1.3	64
61	Advanced Ti _{0.7} W _{0.3} O ₂ Nanoparticles Prepared via Solvothermal Process Using Titanium Tetrachloride and Tungsten Hexachloride as Precursors. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7177-7182.	0.9	11
62	Application of response surface methodology to optimize the fabrication of ZnCl ₂ -activated carbon from sugarcane bagasse for the removal of Cu ²⁺ . <i>Water Science and Technology</i> , 2017, 75, 2047-2055.	1.2	57
63	Response surface methodology approach for optimization of Cu ²⁺ , Ni ²⁺ and Pb ²⁺ adsorption using KOH-activated carbon from banana peel. <i>Surfaces and Interfaces</i> , 2017, 6, 209-217.	1.5	154
64	A five coordination Cu(II) cluster-based MOF and its application in the synthesis of pharmaceuticals via sp ³ C-H/N-H oxidative coupling. <i>Catalysis Science and Technology</i> , 2017, 7, 3453-3458.	2.1	49
65	A comparative study on the removal efficiency of metal ions (Cu ²⁺ , Ni ²⁺ , and Tj ETQq1 1 0.784314 rgBT /Ov response surface methodology. <i>Adsorption Science and Technology</i> , 2017, 35, 72-85.	1.5	78
66	cis-Cyclooctene epoxidation catalyzed by bulk metallophthalocyanines, metallohexadecafluorophthalocyanines and hollow silica-supported metallohexadecafluorophthalocyanine. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 40, 40-46.	2.9	7
67	Efficient and recyclable Cu ₂ (BDC) ₂ (BPY)-catalyzed oxidative amidation of terminal alkynes: role of bipyridine ligand. <i>Catalysis Science and Technology</i> , 2015, 5, 851-859.	2.1	56