

Mohammadreza Kamali

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,401
citations

236925

25
h-index

206112

48
g-index

55
all docs

55
docs citations

55
times ranked

2192
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient microwave-assisted production of furanics and hydrochar from bamboo (<i>Phyllostachys</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Biorefinery, 2022, 12, 173-181.	4.6	6
2	Experimental Study of Hydraulic Sealability and Shear Bond Strength of Cementitious Barrier Materials. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2022, 144, .	2.3	16
3	Biochar for soil applications-sustainability aspects, challenges and future prospects. <i>Chemical Engineering Journal</i> , 2022, 428, 131189.	12.7	127
4	Acclimatized activated sludge for enhanced phenolic wastewater treatment using pinewood biochar. <i>Chemical Engineering Journal</i> , 2022, 427, 131708.	12.7	37
5	Engineered nanomaterials in microbial fuel cells â€“ Recent developments, sustainability aspects, and future outlook. <i>Fuel</i> , 2022, 310, 122347.	6.4	17
6	Catalytic Ozonation of the Secondary Effluents from the Largest Chinese Petrochemical Wastewater Treatment Plantâ€”A Stability Assessment. <i>Sustainability</i> , 2022, 14, 2200.	3.2	2
7	Kinetics and mechanisms of the carbamazepine degradation in aqueous media using novel iodate-assisted photochemical and photocatalytic systems. <i>Science of the Total Environment</i> , 2022, 825, 153871.	8.0	24
8	Bonding Mechanism of Zonal Isolation Materials to Clean and Rusted Casing. <i>SPE Journal</i> , 2022, 27, 2613-2627.	3.1	6
9	ZnO/Î³-Fe ₂ O ₃ /Bentonite: An Efficient Solar-Light Active Magnetic Photocatalyst for the Degradation of Pharmaceutical Active Compounds. <i>Molecules</i> , 2022, 27, 3050.	3.8	5
10	Electrochemical Advanced Oxidation of Carbamazepine: Mechanism and optimal operating conditions. <i>Chemical Engineering Journal</i> , 2022, 446, 137114.	12.7	18
11	UV/TiO ₂ /periodate system for the degradation of organic pollutants â€“ Kinetics, mechanisms and toxicity study. <i>Chemical Engineering Journal</i> , 2022, 449, 137680.	12.7	34
12	Photo-assisted (waste)water treatment technologies â€” A scientometric-based critical review. <i>Desalination</i> , 2022, 538, 115905.	8.2	16
13	Efficient adsorptive removal of ciprofloxacin and carbamazepine using modified pinewood biochar â€“ A kinetic, mechanistic study. <i>Chemical Engineering Journal</i> , 2022, 450, 137896.	12.7	35
14	Forward osmosis for industrial effluents treatment â€“ sustainability considerations. <i>Separation and Purification Technology</i> , 2021, 254, 117568.	7.9	32
15	Synergistic effects of the combined use of ozone and sodium percarbonate for the oxidative degradation of dichlorvos. <i>Journal of Water Process Engineering</i> , 2021, 39, 101721.	5.6	14
16	Advanced oxidation of benzalkonium chloride in aqueous media under ozone and ozone/UV systems â€“ Degradation kinetics and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2021, 413, 127431.	12.7	23
17	Artificial intelligence as a sustainable tool in wastewater treatment using membrane bioreactors. <i>Chemical Engineering Journal</i> , 2021, 417, 128070.	12.7	45
18	Engineered nanomaterials for (waste)water treatment - A scientometric assessment and sustainability aspects. <i>NanolImpact</i> , 2021, 22, 100316.	4.5	14

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19	Biochar from slow pyrolysis of biological sludge from wastewater treatment: characteristics and effect as soil amendment. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1054-1072.	3.7	27
20	Alternative setting materials for primary cementing and zonal isolation – Laboratory evaluation of rheological and mechanical properties. <i>Journal of Petroleum Science and Engineering</i> , 2021, 201, 108455.	4.2	23
21	A Scientometric Study on Industrial Effluent and Sludge Toxicity. <i>Toxics</i> , 2021, 9, 176.	3.7	6
22	Nanostructured materials via green sonochemical routes – Sustainability aspects. <i>Chemosphere</i> , 2021, 276, 130146.	8.2	32
23	Efficiency and mechanism of 2,4-dichlorophenol degradation by the UV/H ₂ O ₂ process. <i>Science of the Total Environment</i> , 2021, 782, 146781.	8.0	44
24	Biochar in water and wastewater treatment - a sustainability assessment. <i>Chemical Engineering Journal</i> , 2021, 420, 129946.	12.7	103
25	Single precursor sonochemical synthesis of mesoporous hexagonal-shape zero-valent copper for effective nitrate reduction. <i>Chemical Engineering Journal</i> , 2020, 384, 123359.	12.7	12
26	Treatment technologies for pharmaceutical effluents-A scientometric study. <i>Journal of Environmental Management</i> , 2020, 254, 109800.	7.8	17
27	Waste-to-energy nexus: A sustainable development. <i>Environmental Pollution</i> , 2020, 267, 115501.	7.5	106
28	Green synthesis of nanomaterials - A scientometric assessment. <i>Journal of Cleaner Production</i> , 2020, 267, 122036.	9.3	54
29	How Photocatalyst Dosage and Ultrasound Application Influence the Photocatalytic Degradation Rate of Phenol in Water: Elucidating the Mechanisms Behind. <i>Water (Switzerland)</i> , 2020, 12, 1672.	2.7	10
30	Optimization of kraft black liquor treatment using ultrasonically synthesized mesoporous tenorite nanomaterials assisted by Taguchi design. <i>Chemical Engineering Journal</i> , 2020, 401, 126040.	12.7	10
31	Scientometric analysis and scientific trends on biochar application as soil amendment. <i>Chemical Engineering Journal</i> , 2020, 395, 125128.	12.7	41
32	"An Opinion on Multi-Criteria Decision-Making Analysis for Sustainability-Based Spatial Planning Practices.Time to Improve? ". <i>Journal of Settlements and Spatial Planning</i> , 2020, SI, 1-3.	0.3	4
33	Enhanced biodegradation of phenolic wastewaters with acclimatized activated sludge – A kinetic study. <i>Chemical Engineering Journal</i> , 2019, 378, 122186.	12.7	45
34	Industrial biowastes treatment using membrane bioreactors (MBRs) -a scientometric study. <i>Journal of Environmental Management</i> , 2019, 247, 462-473.	7.8	36
35	Underground carbon dioxide sequestration for climate change mitigation – A scientometric study. <i>Journal of CO₂ Utilization</i> , 2019, 33, 179-188.	6.8	30
36	Additive and additive-free treatment technologies for pulp and paper mill effluents: Advances, challenges and opportunities. <i>Water Resources and Industry</i> , 2019, 21, 100109.	3.9	32

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37	Sustainability of treatment technologies for industrial biowastes effluents. <i>Chemical Engineering Journal</i> , 2019, 370, 1511-1521.	12.7	67
38	Sustainability considerations in membrane-based technologies for industrial effluents treatment. <i>Chemical Engineering Journal</i> , 2019, 368, 474-494.	12.7	227
39	Sustainability criteria for assessing nanotechnology applicability in industrial wastewater treatment: Current status and future outlook. <i>Environment International</i> , 2019, 125, 261-276.	10.0	128
40	Ultrasonic irradiation as a green production route for coupling crystallinity and high specific surface area in iron nanomaterials. <i>Journal of Cleaner Production</i> , 2019, 211, 185-197.	9.3	30
41	Delphi-based prioritization of economic criteria for development of wave and tidal energy technologies. <i>Energy</i> , 2019, 167, 819-827.	8.8	21
42	An Auto Regressive Integrated Moving Average (ARIMA) Model for prediction of energy consumption by household sector in Euro area. <i>AIMS Energy</i> , 2019, 7, 151-164.	1.9	3
43	Copper-based nanomaterials for environmental decontamination – An overview on technical and toxicological aspects. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 813-824.	6.0	50
44	Performance analysis of a single stage absorption heat transformer-based desalination system employing a new working pair of (EMIM) (DMP)/H ₂ O. <i>International Journal of Energy Research</i> , 2018, 42, 4790-4804.	4.5	6
45	Preparation of borax pentahydrate from effluents of iron nanoparticles synthesis process. <i>AIMS Energy</i> , 2018, 6, 1067-1073.	1.9	6
46	Delphi-AHP and Weighted Index Overlay-GIS Approaches for Industrial Site Selection. Case Study: Large Extractive Industrial Units in Iran. <i>Journal of Settlements and Spatial Planning</i> , 2017, 8, 99-105.	0.3	13
47	Wastewater Treatment and Reclamation: A Review of Pulp and Paper Industry Practices and Opportunities. <i>BioResources</i> , 2016, 11, 7953-8091.	1.0	141
48	Deriving Truck Route Choice from Large GPS Data Streams. <i>Transportation Research Record</i> , 2016, 2563, 62-70.	1.9	10
49	Anaerobic digestion of pulp and paper mill wastes – An overview of the developments and improvement opportunities. <i>Chemical Engineering Journal</i> , 2016, 298, 162-182.	12.7	169
50	REVIEW ON RECENT ADVANCES IN ENVIRONMENTAL REMEDIATION AND RELATED TOXICITY OF ENGINEERED NANOPARTICLES. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 923-934.	0.6	12
51	Estimation of Statewide Origin-Destination Truck Flows from Large Streams of GPS Data. <i>Transportation Research Record</i> , 2015, 2494, 87-96.	1.9	29
52	Review on recent developments on pulp and paper mill wastewater treatment. <i>Ecotoxicology and Environmental Safety</i> , 2015, 114, 326-342.	6.0	372
53	A comprehensive study of Laffan Shale Formation in Sirri oil fields, offshore Iran: Implications for borehole stability. <i>Journal of Petroleum Science and Engineering</i> , 2013, 107, 50-56.	4.2	10