

# 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	Review on recent developments on pulp and paper mill wastewater treatment. <i>Ecotoxicology and Environmental Safety</i> , 2015, 114, 326-342.	6.0	372
2	Sustainability considerations in membrane-based technologies for industrial effluents treatment. <i>Chemical Engineering Journal</i> , 2019, 368, 474-494.	12.7	227
3	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
4	Wastewater Treatment and Reclamation: A Review of Pulp and Paper Industry Practices and Opportunities. <i>BioResources</i> , 2016, 11, 7953-8091.	1.0	141
5	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
6	Biochar for soil applications-sustainability aspects, challenges and future prospects. <i>Chemical Engineering Journal</i> , 2022, 428, 131189.	12.7	127
7	Waste-to-energy nexus: A sustainable development. <i>Environmental Pollution</i> , 2020, 267, 115501.	7.5	106
8	Biochar in water and wastewater treatment - a sustainability assessment. <i>Chemical Engineering Journal</i> , 2021, 420, 129946.	12.7	103
9	Sustainability of treatment technologies for industrial biowastes effluents. <i>Chemical Engineering Journal</i> , 2019, 370, 1511-1521.	12.7	67
10	Green synthesis of nanomaterials - A scientometric assessment. <i>Journal of Cleaner Production</i> , 2020, 267, 122036.	9.3	54
11	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
12	Enhanced biodegradation of phenolic wastewaters with acclimatized activated sludge – A kinetic study. <i>Chemical Engineering Journal</i> , 2019, 378, 122186.	12.7	45
13	Artificial intelligence as a sustainable tool in wastewater treatment using membrane bioreactors. <i>Chemical Engineering Journal</i> , 2021, 417, 128070.	12.7	45
14	Efficiency and mechanism of 2,4-dichlorophenol degradation by the UV/H <sub>2</sub> O <sub>2</sub> process. <i>Science of the Total Environment</i> , 2021, 782, 146781.	8.0	44
15	Scientometric analysis and scientific trends on biochar application as soil amendment. <i>Chemical Engineering Journal</i> , 2020, 395, 125128.	12.7	41
16	Acclimatized activated sludge for enhanced phenolic wastewater treatment using pinewood biochar. <i>Chemical Engineering Journal</i> , 2022, 427, 131708.	12.7	37
17	Industrial biowastes treatment using membrane bioreactors (MBRs) -a scientometric study. <i>Journal of Environmental Management</i> , 2019, 247, 462-473.	7.8	36
18	Efficient adsorptive removal of ciprofloxacin and carbamazepine using modified pinewood biochar – A kinetic, mechanistic study. <i>Chemical Engineering Journal</i> , 2022, 450, 137896.	12.7	35

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19	UV/TiO <sub>2</sub> /periodate system for the degradation of organic pollutants – Kinetics, mechanisms and toxicity study. <i>Chemical Engineering Journal</i> , 2022, 449, 137680.	12.7	34
20	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
21	Forward osmosis for industrial effluents treatment – sustainability considerations. <i>Separation and Purification Technology</i> , 2021, 254, 117568.	7.9	32
22	Nanostructured materials via green sonochemical routes – Sustainability aspects. <i>Chemosphere</i> , 2021, 276, 130146.	8.2	32
23	Underground carbon dioxide sequestration for climate change mitigation – A scientometric study. <i>Journal of CO<sub>2</sub> Utilization</i> , 2019, 33, 179-188.	6.8	30
24	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
25	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
26	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
27	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
28	Advanced oxidation of benzalkonium chloride in aqueous media under ozone and ozone/UV systems – Degradation kinetics and toxicity evaluation. <i>Chemical Engineering Journal</i> , 2021, 413, 127431.	12.7	23
29	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
30	Delphi-based prioritization of economic criteria for development of wave and tidal energy technologies. <i>Energy</i> , 2019, 167, 819-827.	8.8	21
31	Electrochemical Advanced Oxidation of Carbamazepine: Mechanism and optimal operating conditions. <i>Chemical Engineering Journal</i> , 2022, 446, 137114.	12.7	18
32	Treatment technologies for pharmaceutical effluents-A scientometric study. <i>Journal of Environmental Management</i> , 2020, 254, 109800.	7.8	17
33	Engineered nanomaterials in microbial fuel cells – Recent developments, sustainability aspects, and future outlook. <i>Fuel</i> , 2022, 310, 122347.	6.4	17
34	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
35	Photo-assisted (waste)water treatment technologies – A scientometric-based critical review. <i>Desalination</i> , 2022, 538, 115905.	8.2	16
36	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

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37	Engineered nanomaterials for (waste)water treatment - A scientometric assessment and sustainability aspects. <i>NanoImpact</i> , 2021, 22, 100316.	4.5	14
38	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
39	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
40	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
41	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
42	Deriving Truck Route Choice from Large GPS Data Streams. <i>Transportation Research Record</i> , 2016, 2563, 62-70.	1.9	10
43	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
44	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
45	Performance analysis of a single stage absorption heat transformer-based desalination system employing a new working pair of (EMIM) (DMP)/H <sub>2</sub> O. <i>International Journal of Energy Research</i> , 2018, 42, 4790-4804.	4.5	6
46	Efficient microwave-assisted production of furanics and hydrochar from bamboo ( <i>Phyllostachys</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Biorefinery, 2022, 12, 173-181.	4.6	6
47	A Scientometric Study on Industrial Effluent and Sludge Toxicity. <i>Toxics</i> , 2021, 9, 176.	3.7	6
48	Preparation of borax pentahydrate from effluents of iron nanoparticles synthesis process. <i>AIMS Energy</i> , 2018, 6, 1067-1073.	1.9	6
49	Bonding Mechanism of Zonal Isolation Materials to Clean and Rusted Casing. <i>SPE Journal</i> , 2022, 27, 2613-2627.	3.1	6
50	ZnO/ <sup>3</sup> -Fe <sub>2</sub> O <sub>3</sub> /Bentonite: An Efficient Solar-Light Active Magnetic Photocatalyst for the Degradation of Pharmaceutical Active Compounds. <i>Molecules</i> , 2022, 27, 3050.	3.8	5
51	"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
52	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
53	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