

Javad Torkashvand

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,451
citations

218677
26
h-index

233421
45
g-index

83
all docs

83
docs citations

83
times ranked

3054
citing authors

#	ARTICLE	IF	CITATIONS
1	Contaminants of emerging concern: a review of new approach in AOP technologies. Environmental Monitoring and Assessment, 2017, 189, 414.	2.7	194
2	Enhanced chromium (VI) removal using activated carbon modified by zero valent iron and silver bimetallic nanoparticles. Journal of Environmental Health Science & Engineering, 2014, 12, 115.	3.0	116
3	Photocatalytic degradation of Metronidazole with illuminated TiO ₂ nanoparticles. Journal of Environmental Health Science & Engineering, 2015, 13, 35.	3.0	111
4	Municipal solid waste management during COVID-19 pandemic: effects and repercussions. Environmental Science and Pollution Research, 2021, 28, 32200-32209.	5.3	109
5	Littered cigarette butt as a well-known hazardous waste: A comprehensive systematic review. Journal of Hazardous Materials, 2020, 383, 121242.	12.4	101
6	Enhancement of photocatalytic activity of Cu-doped ZnO nanorods for the degradation of an insecticide: Kinetics and reaction pathways. Journal of Environmental Management, 2017, 186, 1-11.	7.8	99
7	Perspectives on microbial community in anaerobic digestion with emphasis on environmental parameters: A systematic review. Chemosphere, 2021, 270, 128618.	8.2	90
8	Study of moving bed biofilm reactor in diethyl phthalate and diallyl phthalate removal from synthetic wastewater. Bioresource Technology, 2015, 183, 129-135.	9.6	85
9	Exposure to nanoscale diesel exhaust particles: Oxidative stress, neuroinflammation, anxiety and depression on adult male mice. Ecotoxicology and Environmental Safety, 2019, 168, 338-347.	6.0	70
10	Effect of COVID-19 pandemic on medical waste management: a case study. Journal of Environmental Health Science & Engineering, 2021, 19, 831-836.	3.0	66
11	Dynamic assessment of economic and environmental performance index and generation, composition, environmental and human health risks of hospital solid waste in developing countries; A state of the art of review. Environment International, 2019, 132, 105073.	10.0	63
12	Synthesis, characterization, and application of ZnO/TiO ₂ nanocomposite for photocatalysis of a herbicide (Bentazon). Desalination and Water Treatment, 2016, 57, 13632-13644.	1.0	62
13	Iron-silver oxide nanoadsorbent synthesized by co-precipitation process for fluoride removal from aqueous solution and its adsorption mechanism. RSC Advances, 2015, 5, 87377-87391.	3.6	61
14	Magnetic heterogeneous catalytic ozonation: a new removal method for phenol in industrial wastewater. Journal of Environmental Health Science & Engineering, 2014, 12, 50.	3.0	57
15	Hospital waste management status in Iran: a case study in the teaching hospitals of Iran University of Medical Sciences. Waste Management and Research, 2009, 27, 384-389.	3.9	50
16	Assessment of airborne enteric viruses emitted from wastewater treatment plant: Atmospheric dispersion model, quantitative microbial risk assessment, disease burden. Environmental Pollution, 2019, 253, 464-473.	7.5	49
17	A systematic review on cigarette butt management as a hazardous waste and prevalent litter: control and recycling. Environmental Science and Pollution Research, 2019, 26, 11618-11630.	5.3	49
18	Photocatalytic degradation and mineralization of diazinon in aqueous solution using nano-TiO ₂ (Degussa, P25): kinetic and statistical analysis. Desalination and Water Treatment, 2015, 55, 555-563.	1.0	46

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19	Management ofÂlandfill leachate in Iran: valorization, characteristics, and environmental approaches. Environmental Chemistry Letters, 2019, 17, 335-348.	16.2	46
20	A new nano-photocatalyst based on Pt and Bi co-doped TiO ₂ for efficient visible-light photo degradation of amoxicillin. New Journal of Chemistry, 2019, 43, 1562-1568.	2.8	45
21	Municipal solid waste management during COVID-19 pandemic: a comparison between the current activities and guidelines. Journal of Environmental Health Science & Engineering, 2021, 19, 173-179.	3.0	36
22	Application of Ni-doped ZnO nanorods for degradation of diazinon: Kinetics and by-products. Separation Science and Technology, 2017, 52, 2395-2406.	2.5	35
23	Assessment of littered cigarette butt in urban environment, using of new cigarette butt pollution index (CBPI). Science of the Total Environment, 2021, 769, 144864.	8.0	34
24	An updated min-review on environmental route of the SARS-CoV-2 transmission. Ecotoxicology and Environmental Safety, 2020, 202, 111015.	6.0	32
25	Estimation of the heavy metals released from cigarette butts to beaches and urban environments. Journal of Hazardous Materials, 2022, 425, 127969.	12.4	30
26	Heterogeneous catalytic ozonation by Nano-MgO is better than sole ozonation for metronidazole degradation, toxicity reduction, and biodegradability improvement. Desalination and Water Treatment, 2016, 57, 16435-16444.	1.0	29
27	Investigation of photocatalytic degradation of clindamycin antibiotic by using nano-ZnO catalysts. Korean Journal of Chemical Engineering, 2014, 31, 2014-2019.	2.7	28
28	Experimental design approach to the optimization of PAHs bioremediation from artificially contaminated soil: application of variables screening development. Journal of Environmental Health Science & Engineering, 2015, 13, 22.	3.0	28
29	Effect of cigarette butt on concentration of heavy metals in landfill leachate: health and ecological risk assessment. Journal of Environmental Health Science & Engineering, 2021, 19, 483-490.	3.0	28
30	Optimizing photo-Fenton like process for the removal of diesel fuel from the aqueous phase. Journal of Environmental Health Science & Engineering, 2014, 12, 87.	3.0	25
31	Nitrate removal from pharmaceutical wastewater using microbial electrochemical system supplied through low frequency-low voltage alternating electric current. Bioelectrochemistry, 2018, 120, 49-56.	4.6	24
32	Degradation of ciprofloxacin by CuFe ₂ O ₄ /GO activated PMS process in aqueous solution: performance, mechanism and degradation pathway. International Journal of Environmental Analytical Chemistry, 2022, 102, 174-195.	3.3	24
33	A comprehensive systematic review and meta-analysis on the extraction of pesticide by various solid phase-based separation methods: a case study of malathion. International Journal of Environmental Analytical Chemistry, 2023, 103, 1068-1085.	3.3	24
34	Challenges on the recycling of cigarette butts. Environmental Science and Pollution Research, 2021, 28, 30452-30458.	5.3	24
35	Study of littered wastes in different urban land-uses: An 6 environmental status assessment. Journal of Environmental Health Science & Engineering, 2020, 18, 915-924.	3.0	23
36	Bioremediation of diesel and gasoline-contaminated soil by co-vermicomposting amended with activated sludge: Diesel and gasoline degradation and kinetics. Environmental Pollution, 2020, 263, 114584.	7.5	21

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37	Fine particulate matter (PM _{2.5}) in a compost facility: heavy metal contaminations and health risk assessment, Tehran, Iran. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15715-15725.	5.3	20
38	Spatio-temporal evaluation of Yamchi Dam basin water quality using Canadian water quality index. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 168.	2.7	19
39	Application of C ₁₄ /SiO ₂ –Fe ₃ O ₄ and AC–Fe ₃ O ₄ nanocomposite for U(VI) removal. <i>Desalination and Water Treatment</i> , 2016, 57, 22519-22532.	1.0	19
40	Photocatalytic removal of bentazon by copper doped zinc oxide nanorods: Reaction pathways and toxicity studies. <i>Journal of Environmental Management</i> , 2021, 294, 112962.	7.8	19
41	Medical waste management in Iran and comparison with neighbouring countries. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 2805-2818.	3.3	17
42	Effects of Low Frequency-Low Voltage Alternating Electric Current on Apoptosis Progression in Bioelectrical Reactor Biofilm. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 2.	4.1	16
43	Application of ultrasound irradiation in landfill leachate treatment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 47741-47751.	5.3	16
44	Dairy wastewater treatment by chemical coagulation and adsorption on modified dried activated sludge: a pilot-plant study. <i>Desalination and Water Treatment</i> , 2016, 57, 8183-8193.	1.0	15
45	Development a new index for littered waste assessment in different environments: A study on coastal and urban areas of northern Iran (Caspian Sea). <i>Marine Pollution Bulletin</i> , 2021, 171, 112684.	5.0	15
46	Nitrite and Nitrate Concentrations in the Drinking Groundwater of Shiraz City, South-central Iran by Statistical Models. <i>Iranian Journal of Public Health</i> , 2017, 46, 1275-1284.	0.5	15
47	Analysis of cost–benefit in life-cycle of plastic solid waste: combining waste flow analysis and life cycle cost as a decision support tool to the selection of optimum scenario. <i>Environment, Development and Sustainability</i> , 2021, 23, 13242-13260.	5.0	14
48	Catalytic potential of CuFe ₂ O ₄ /GO for activation of peroxymonosulfate in metronidazole degradation: study of mechanisms. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 947-960.	3.0	13
49	Improvement of Co-Composting by a combined pretreatment Ozonation/Ultrasonic process in stabilization of raw activated sludge. <i>Scientific Reports</i> , 2020, 10, 1070.	3.3	13
50	Assessment of co-composting of sewage sludge, woodchips, and sawdust: feedstock quality and design and compilation of computational model. <i>Environmental Science and Pollution Research</i> , 2021, 28, 12414-12427.	5.3	13
51	Photocatalytic Degradation of Metronidazole Using ZnO–TiO ₂ Composites Under Visible Light Irradiation: Degradation Product, and Mechanisms. <i>ChemistrySelect</i> , 2019, 4, 10288-10295.	1.5	12
52	Exposure to heavy metal contamination and probabilistic health risk assessment using Monte Carlo simulation: a study in the Southeast Iran. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 1217-1226.	3.0	11
53	The influence of combined low-strength ultrasonics and micro-aerobic pretreatment process on methane generation and sludge digestion: Lipase enzyme, microbial activation, and energy yield. <i>Ultrasonics Sonochemistry</i> , 2021, 73, 105531.	8.2	11
54	Beach debris quantity and composition around the world: A bibliometric and systematic review. <i>Marine Pollution Bulletin</i> , 2022, 178, 113637.	5.0	11

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55	Solidified floating organic drop microextraction for pre-concentration and trace monitoring of cadmium ions in environmental food and water samples. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 1725-1733.	2.2	10
56	Effect of immature and mature compost addition on petroleum contaminated soils composting: kinetics. <i>Journal of Environmental Health Science & Engineering</i> , 2019, 17, 839-846.	3.0	10
57	Potential cytotoxicity of trace elements and polycyclic aromatic hydrocarbons bounded to particulate matter: a review on in vitro studies on human lung epithelial cells. <i>Environmental Science and Pollution Research</i> , 2021, 28, 55888-55904.	5.3	10
58	Designed synthesis of perylene diimide-based supramolecular heterojunction with g-C ₃ N ₄ @MIL-125(Ti): insight into photocatalytic performance and mechanism. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19-32.	2.2	9
59	Potential cytotoxicity of PM _{2.5} -bound PAHs and toxic metals collected from areas with different traffic densities on human lung epithelial cells (A549). <i>Journal of Environmental Health Science & Engineering</i> , 2021, 19, 1701-1712.	3.0	9
60	A Review of the Use of Earthworms and Aquatic Worms for Reducing Sludge Produced: An Innovative Ecotechnology. <i>Waste and Biomass Valorization</i> , 2018, 9, 1543-1557.	3.4	8
61	Iranian experiences in terms of consumption of disposable single- use plastics: Introduction to theoretical variables for developing environmental health promotion efforts. <i>Environmental Toxicology and Pharmacology</i> , 2019, 65, 18-22.	4.0	8
62	Characterization of polycyclic aromatic hydrocarbons associated with PM ₁₀ emitted from the largest composting facility in the Middle East. <i>Toxin Reviews</i> , 2021, 40, 1481-1495.	3.4	8
63	A combined ultrasonic and chemical conditioning process for upgrading the sludge dewaterability. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 1613-1626.	3.3	8
64	The effect of PM _{2.5} -related hazards on biomarkers of bronchial epithelial cells (A549) inflammation in Karaj and Fardis cities. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2172-2182.	5.3	8
65	Synthesis of new hybrid composite based on TiO ₂ for photo-catalytic degradation of sulfamethoxazole and pharmaceutical wastewater, optimization, performance, and reaction mechanism studies. <i>Environmental Science and Pollution Research</i> , 2022, 29, 56403-56418.	5.3	8
66	The efficiency of removing metronidazole and ciprofloxacin antibiotics as pharmaceutical wastes during the process of composting. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 4250-4260.	3.3	7
67	On-site carwash wastewater treatment and reuse: a systematic review. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 3613-3627.	3.3	7
68	Airborne particulate matter in Tehran's ambient air. <i>Journal of Environmental Health Science & Engineering</i> , 2021, 19, 1179-1191.	3.0	7
69	Preparation of Carbon-Alumina (C/Al ₂ O ₃) aerogel nanocomposite for benzene adsorption from flow gas in fixed bed reactor. <i>MethodsX</i> , 2019, 6, 2476-2483.	1.6	6
70	Degradation of 2,4-Dinitrophenol using persulfate activated by Cu ²⁺ in photocatalytic system (UV/SPS/Cu ²⁺) from aqueous solution: optimisation and operational parameters. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 804-819.	3.3	6
71	Comparing the efficiency of unmodified dried sludge adsorbents and those modified via chemical and microwave methods in removing 2,4-dinitrophenol from aqueous solutions. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 1521-1530.	3.0	5
72	Polycyclic aromatic hydrocarbons in PM _{2.5} atmospheric particles in Shiraz, a city in southwest Iran: sources and risk assessment. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	5

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73	Phenanthrene removal from liquid medium with emphasis on production of biosurfactant. Water Science and Technology, 2016, 74, 2879-2888.	2.5	4
74	Evaluation of industrial wastes management practices: Case study of the Savojbolagh industrial zone, Iran. Waste Management and Research, 2020, 38, 44-58.	3.9	4
75	Preparation of tungstophosphoric acid/cerium-doped NH_4VO_3 -UiO-66 Z-scheme photocatalyst: a new candidate for green photo-oxidation of dibenzothiophene and quinoline using molecular oxygen as the oxidant. New Journal of Chemistry, 2021, 45, 10897-10906.	2.8	4
76	Enhanced photocatalytic activity of $\text{Fe}_2\text{O}_3/\text{ZnO}$ decorated CQD for inactivation of Escherichia coli under visible light irradiation. Journal of Environmental Health Science & Engineering, 2022, 20, 101-112.	3.0	4
77	The potential osteoporosis due to exposure to particulate matter in ambient air: Mechanisms and preventive methods. Journal of the Air and Waste Management Association, 2022, 72, 925-934.	1.9	4
78	Assessment of the risk of exposure to Air pollutants and identifying the affecting factors on making pollution by PCA, CFA. International Journal of Environmental Analytical Chemistry, 0, , 1-20.	3.3	3
79	Application of Ni-doped ZnO deposited by RF magnetron sputtering technique on FTO as a photoanode in Photo-Electrocatalysis process of Ofloxacin degradation: synthesis, kinetics, and ecotoxicity study. International Journal of Environmental Analytical Chemistry, 2020, , 1-17.	3.3	2
80	Photo-catalytic degradation of sulfamethoxazole from aqueous solutions using Cu-TiO ₂ / CQDs hybrid composite, optimisation, performance and reaction mechanism studies. International Journal of Environmental Analytical Chemistry, 0, , 1-18.	3.3	2
81	Hospital Waste Minimization, Separation, Treatment and Disposal in Iran: A Mini Review Study. Proceedings of Institution of Civil Engineers: Waste and Resource Management, 2017, , 1-29.	0.8	1
82	Development and psychometric properties of a questionnaire to evaluate sustainable waste separation behavior and environmental health promotion. Journal of the Egyptian Public Health Association, The, 2021, 96, 28.	2.5	1