

# 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	A comprehensive systematic review and meta-analysis on the extraction of pesticide by various solid phase-based separation methods: a case study of malathion. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 1068-1085.	3.3	24
2	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
3	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
4	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
5	Degradation of 2,4-Dinitrophenol using persulfate activated by Cu <sup>2+</sup> in photocatalytic system (UV/SPS/Cu <sup>2+</sup> ) from aqueous solution: optimisation and operational parameters. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 804-819.	3.3	6
6	Degradation of ciprofloxacin by CuFe <sub>2</sub> O <sub>4</sub> /GO activated PMS process in aqueous solution: performance, mechanism and degradation pathway. <i>International Journal of Environmental Analytical Chemistry</i> , 2022, 102, 174-195.	3.3	24
7	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
8	The effect of PM <sub>2.5</sub> -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
9	Estimation of the heavy metals released from cigarette butts to beaches and urban environments. <i>Journal of Hazardous Materials</i> , 2022, 425, 127969.	12.4	30
10	Enhanced photocatalytic activity of Fe <sub>2</sub> O <sub>3</sub> @ZnO decorated CQD for inactivation of <i>Escherichia coli</i> under visible light irradiation. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2022, 20, 101-112.	3.0	4
11	Synthesis of new hybrid composite based on TiO <sub>2</sub> 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
12	Beach debris quantity and composition around the world: A bibliometric and systematic review. <i>Marine Pollution Bulletin</i> , 2022, 178, 113637.	5.0	11
13	The potential osteoporosis due to exposure to particulate matter in ambient air: Mechanisms and preventive methods. <i>Journal of the Air and Waste Management Association</i> , 2022, 72, 925-934.	1.9	4
14	Characterization of polycyclic aromatic hydrocarbons associated with PM <sub>10</sub> emitted from the largest composting facility in the Middle East. <i>Toxin Reviews</i> , 2021, 40, 1481-1495.	3.4	8
15	Perspectives on microbial community in anaerobic digestion with emphasis on environmental parameters: A systematic review. <i>Chemosphere</i> , 2021, 270, 128618.	8.2	90
16	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
17	Preparation of tungstophosphoric acid/cerium-doped NH <sub>2</sub> -UiO-66 Z-scheme photocatalyst: a new candidate for green photo-oxidation of dibenzothiophene and quinoline using molecular oxygen as the oxidant. <i>New Journal of Chemistry</i> , 2021, 45, 10897-10906.	2.8	4
18	Municipal solid waste management during COVID-19 pandemic: a comparison between the current activities and guidelines. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2021, 19, 173-179.	3.0	36

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19	Airborne particulate matter in Tehran's ambient air. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2021, 19, 1179-1191.	3.0	7
20	Designed synthesis of perylene diimide-based supramolecular heterojunction with g-C <sub>3</sub> N <sub>4</sub> @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
21	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
22	Effect of cigarette butt on concentration of heavy metals in landfill leachate: health and ecological risk assessment. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2021, 19, 483-490.	3.0	28
23	Effect of COVID-19 pandemic on medical waste management: a case study. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2021, 19, 831-836.	3.0	66
24	Challenges on the recycling of cigarette butts. <i>Environmental Science and Pollution Research</i> , 2021, 28, 30452-30458.	5.3	24
25	Assessment of littered cigarette butt in urban environment, using of new cigarette butt pollution index (CBPI). <i>Science of the Total Environment</i> , 2021, 769, 144864.	8.0	34
26	Municipal solid waste management during COVID-19 pandemic: effects and repercussions. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32200-32209.	5.3	109
27	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
28	Application of ultrasound irradiation in landfill leachate treatment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 47741-47751.	5.3	16
29	Polycyclic aromatic hydrocarbons in PM <sub>2.5</sub> 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
30	Potential cytotoxicity of PM <sub>2.5</sub> -bound PAHs and toxic metals collected from areas with different traffic densities on human lung epithelial cells (A549). <i>Journal of Environmental Health Science &amp; Engineering</i> , 2021, 19, 1701-1712.	3.0	9
31	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
32	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
33	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
34	Development and psychometric properties of a questionnaire to evaluate sustainable waste separation behavior and environmental health promotion. <i>Journal of the Egyptian Public Health Association</i> , The, 2021, 96, 28.	2.5	1
35	Littered cigarette butt as a well-known hazardous waste: A comprehensive systematic review. <i>Journal of Hazardous Materials</i> , 2020, 383, 121242.	12.4	101
36	Evaluation of industrial wastes management practices: Case study of the Savojbolagh industrial zone, Iran. <i>Waste Management and Research</i> , 2020, 38, 44-58.	3.9	4

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37	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
38	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 &amp; Engineering</i> , 2020, 18, 1217-1226.	3.0	11
39	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 &amp; Engineering</i> , 2020, 18, 1521-1530.	3.0	5
40	Study of littered wastes in different urban land-uses: An 6 environmental status assessment. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2020, 18, 915-924.	3.0	23
41	Catalytic potential of CuFe <sub>2</sub> O <sub>4</sub> /GO for activation of peroxymonosulfate in metronidazole degradation: study of mechanisms. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2020, 18, 947-960.	3.0	13
42	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. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, , 1-17.	3.3	2
43	An updated min-review on environmental route of the SARS-CoV-2 transmission. <i>Ecotoxicology and Environmental Safety</i> , 2020, 202, 111015.	6.0	32
44	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
45	Bioremediation of diesel and gasoline-contaminated soil by co-vermicomposting amended with activated sludge: Diesel and gasoline degradation and kinetics. <i>Environmental Pollution</i> , 2020, 263, 114584.	7.5	21
46	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. <i>Environment International</i> , 2019, 132, 105073.	10.0	63
47	Assessment of airborne enteric viruses emitted from wastewater treatment plant: Atmospheric dispersion model, quantitative microbial risk assessment, disease burden. <i>Environmental Pollution</i> , 2019, 253, 464-473.	7.5	49
48	Effect of immature and mature compost addition on petroleum contaminated soils composting: kinetics. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2019, 17, 839-846.	3.0	10
49	Photocatalytic Degradation of Metronidazole Using ZnO/Bi <sub>2</sub> O <sub>3</sub> Composites Under Visible Light Irradiation: Degradation Product, and Mechanisms. <i>ChemistrySelect</i> , 2019, 4, 10288-10295.	1.5	12
50	Preparation of Carbon-Alumina (C/Al <sub>2</sub> O <sub>3</sub> ) aerogel nanocomposite for benzene adsorption from flow gas in fixed bed reactor. <i>MethodsX</i> , 2019, 6, 2476-2483.	1.6	6
51	A new nano-photocatalyst based on Pt and Bi co-doped TiO <sub>2</sub> for efficient visible-light photo degradation of amoxicillin. <i>New Journal of Chemistry</i> , 2019, 43, 1562-1568.	2.8	45
52	A systematic review on cigarette butt management as a hazardous waste and prevalent litter: control and recycling. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11618-11630.	5.3	49
53	Management of Landfill leachate in Iran: valorization, characteristics, and environmental approaches. <i>Environmental Chemistry Letters</i> , 2019, 17, 335-348.	16.2	46
54	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

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55	Exposure to nanoscale diesel exhaust particles: Oxidative stress, neuroinflammation, anxiety and depression on adult male mice. <i>Ecotoxicology and Environmental Safety</i> , 2019, 168, 338-347.	6.0	70
56	Fine particulate matter (PM <sub>2.5</sub> ) 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
57	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
58	Nitrate removal from pharmaceutical wastewater using microbial electrochemical system supplied through low frequency-low voltage alternating electric current. <i>Bioelectrochemistry</i> , 2018, 120, 49-56.	4.6	24
59	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
60	Application of Ni-doped ZnO nanorods for degradation of diazinon: Kinetics and by-products. <i>Separation Science and Technology</i> , 2017, 52, 2395-2406.	2.5	35
61	Contaminants of emerging concern: a review of new approach in AOP technologies. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 414.	2.7	194
62	Hospital Waste Minimization, Separation, Treatment and Disposal in Iran: A Mini Review Study. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2017, , 1-29.	0.8	1
63	Enhancement of photocatalytic activity of Cu-doped ZnO nanorods for the degradation of an insecticide: Kinetics and reaction pathways. <i>Journal of Environmental Management</i> , 2017, 186, 1-11.	7.8	99
64	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
65	Phenanthrene removal from liquid medium with emphasis on production of biosurfactant. <i>Water Science and Technology</i> , 2016, 74, 2879-2888.	2.5	4
66	Application of C <sub>14</sub> /SiO <sub>2</sub> –Fe <sub>3</sub> O <sub>4</sub> and AC–Fe <sub>3</sub> O <sub>4</sub> nanocomposite for U(VI) removal. <i>Desalination and Water Treatment</i> , 2016, 57, 22519-22532.	1.0	19
67	Synthesis, characterization, and application of ZnO/TiO <sub>2</sub> nanocomposite for photocatalysis of a herbicide (Bentazon). <i>Desalination and Water Treatment</i> , 2016, 57, 13632-13644.	1.0	62
68	Heterogeneous catalytic ozonation by Nano-MgO is better than sole ozonation for metronidazole degradation, toxicity reduction, and biodegradability improvement. <i>Desalination and Water Treatment</i> , 2016, 57, 16435-16444.	1.0	29
69	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
70	Photocatalytic degradation of Metronidazole with illuminated TiO <sub>2</sub> nanoparticles. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2015, 13, 35.	3.0	111
71	Study of moving bed biofilm reactor in diethyl phthalate and diallyl phthalate removal from synthetic wastewater. <i>Bioresource Technology</i> , 2015, 183, 129-135.	9.6	85
72	Experimental design approach to the optimization of PAHs bioremediation from artificially contaminated soil: application of variables screening development. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2015, 13, 22.	3.0	28

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73	Spatio-temporal evaluation of Yamchi Dam basin water quality using Canadian water quality index. Environmental Monitoring and Assessment, 2015, 187, 168.	2.7	19
74	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
75	Photocatalytic degradation and mineralization of diazinon in aqueous solution using nano-TiO <sub>2</sub> (Degussa, P25): kinetic and statistical analysis. Desalination and Water Treatment, 2015, 55, 555-563.	1.0	46
76	Investigation of photocatalytic degradation of clindamycin antibiotic by using nano-ZnO catalysts. Korean Journal of Chemical Engineering, 2014, 31, 2014-2019.	2.7	28
77	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
78	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
79	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
80	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
81	Photo-catalytic degradation of sulfamethoxazole from aqueous solutions using Cu-TiO <sub>2</sub> / CQDs hybrid composite, optimisation, performance and reaction mechanism studies. International Journal of Environmental Analytical Chemistry, 0, , 1-18.	3.3	2
82	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