# Javad Torkashvand

List of Publications by Year
in descending order



| 82 | 2,451 | 249298 | 263392 |
|---|---|---|---|
| papers | citations | 26 h-index | 45 g-index |

| 83 | 83 | 83 | 3381 |
|---|---|---|---|
| all docs | docs citations | times ranked | 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. | 1.3 | 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. | 1.4 | 116 |
| 3 | Photocatalytic degradation of Metronidazole with illuminated TiO2 nanoparticles. Journal of Environmental Health Science & Engineering, 2015, 13, 35. | 1.4 | 111 |
| 4 | Municipal solid waste management during COVID-19 pandemic: effects and repercussions. Environmental Science and Pollution Research, 2021, 28, 32200-32209. | 2.7 | 109 |
| 5 | Littered cigarette butt as a well-known hazardous waste: A comprehensive systematic review. Journal of Hazardous Materials, 2020, 383, 121242. | 6.5 | 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. | 3.8 | 99 |
| 7 | Perspectives on microbial community in anaerobic digestion with emphasis on environmental parameters: A systematic review. Chemosphere, 2021, 270, 128618. | 4.2 | 90 |
| 8 | Study of moving bed biofilm reactor in diethyl phthalate and diallyl phthalate removal from synthetic wastewater. Bioresource Technology, 2015, 183, 129-135. | 4.8 | 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. | 2.9 | 70 |
| 10 | Effect of COVID-19 pandemic on medical waste management: a case study. Journal of Environmental Health Science & Engineering, 2021, 19, 831-836. | 1.4 | 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. | 4.8 | 63 |
| 12 | Synthesis, characterization, and application of ZnO/TiO<sub>2</sub>nanocomposite for photocatalysis of a herbicide (Bentazon). Desalination and Water Treatment, 2016, 57, 13632-13644. | 1.0 | 62 |
| 13 | Ironâ€“silver oxide nanoadsorbent synthesized by co-precipitation process for fluoride removal from aqueous solution and its adsorption mechanism. RSC Advances, 2015, 5, 87377-87391. | 1.7 | 61 |
| 14 | Magnetic heterogeneous catalytic ozonation: a new removal method for phenol in industrial wastewater. Journal of Environmental Health Science & Engineering, 2014, 12, 50. | 1.4 | 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. | 2.2 | 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. | 3.7 | 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. | 2.7 | 49 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Management ofÂlandfill leachate in Iran: valorization, characteristics, and environmental approaches. Environmental Chemistry Letters, 2019, 17, 335-348. | 8.3 | 46 |
| 20 | A new nano-photocatalyst based on Pt and Bi co-doped TiO<sub>2</sub> for efficient visible-light photo degradation of amoxicillin. New Journal of Chemistry, 2019, 43, 1562-1568. | 1.4 | 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. | 1.4 | 36 |
| 22 | Application of Ni-doped ZnO nanorods for degradation of diazinon: Kinetics and by-products. Separation Science and Technology, 2017, 52, 2395-2406. | 1.3 | 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. | 3.9 | 34 |
| 24 | An updated min-review on environmental route of the SARS-CoV-2 transmission. Ecotoxicology and Environmental Safety, 2020, 202, 111015. | 2.9 | 32 |
| 25 | Estimation of the heavy metals released from cigarette butts to beaches and urban environments. Journal of Hazardous Materials, 2022, 425, 127969. | 6.5 | 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. | 1.2 | 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. | 1.4 | 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. | 1.4 | 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. | 1.4 | 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. | 2.4 | 24 |
| 32 | Degradation of ciprofloxacin by CuFe<sub>2</sub>O<sub>4</sub>/GO activated PMS process in aqueous solution: performance, mechanism and degradation pathway. International Journal of Environmental Analytical Chemistry, 2022, 102, 174-195. | 1.8 | 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. | 1.8 | 24 |
| 34 | Challenges on the recycling of cigarette butts. Environmental Science and Pollution Research, 2021, 28, 30452-30458. | 2.7 | 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. | 1.4 | 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. | 3.7 | 21 |

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|---|---|---|---|
| 37 | Fine particulate matter (PM2.5) in a compost facility: heavy metal contaminations and health risk assessment, Tehran, Iran. Environmental Science and Pollution Research, 2018, 25, 15715-15725. | 2.7 | 20 |
| 38 | Spatio-temporal evaluation of Yamchi Dam basin water quality using Canadian water quality index. Environmental Monitoring and Assessment, 2015, 187, 168. | 1.3 | 19 |
| 39 | Application of C<sub>14</sub>/SiO<sub>2</sub>â€“Fe<sub>3</sub>O<sub>4</sub> and ACâ€“Fe<sub>3</sub>O<sub>4</sub> nanocomposite for U(VI) removal. Desalination and Water Treatment, 2016, 57, 22519-22532. | 1.0 | 19 |
| 40 | Photocatalytic removal of bentazon by copper doped zinc oxide nanorods: Reaction pathways and toxicity studies. Journal of Environmental Management, 2021, 294, 112962. | 3.8 | 19 |
| 41 | Medical waste management in Iran and comparison with neighbouring countries. International Journal of Environmental Analytical Chemistry, 2022, 102, 2805-2818. | 1.8 | 17 |
| 42 | Effects of Low Frequency-Low Voltage Alternating Electric Current on Apoptosis Progression in Bioelectrical Reactor Biofilm. Frontiers in Bioengineering and Biotechnology, 2020, 8, 2. | 2.0 | 16 |
| 43 | Application of ultrasound irradiation in landfill leachate treatment. Environmental Science and Pollution Research, 2021, 28, 47741-47751. | 2.7 | 16 |
| 44 | Dairy wastewater treatment by chemical coagulation and adsorption on modified dried activated sludge: a pilot-plant study. Desalination and Water Treatment, 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). Marine Pollution Bulletin, 2021, 171, 112684. | 2.3 | 15 |
| 46 | Nitrite and Nitrate Concentrations in the Drinking Groundwater of Shiraz City, South-central Iran by Statistical Models. Iranian Journal of Public Health, 2017, 46, 1275-1284. | 0.3 | 15 |
| 47 | Analysis of costâ€“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. Environment, Development and Sustainability, 2021, 23, 13242-13260. | 2.7 | 14 |
| 48 | Catalytic potential of CuFe2O4/GO for activation of peroxymonosulfate in metronidazole degradation: study of mechanisms. Journal of Environmental Health Science & Engineering, 2020, 18, 947-960. | 1.4 | 13 |
| 49 | Improvement of Co-Composting by a combined pretreatment Ozonation/Ultrasonic process in stabilization of raw activated sludge. Scientific Reports, 2020, 10, 1070. | 1.6 | 13 |
| 50 | Assessment of co-composting of sewage sludge, woodchips, and sawdust: feedstock quality and design and compilation of computational model. Environmental Science and Pollution Research, 2021, 28, 12414-12427. | 2.7 | 13 |
| 51 | Photocatalytic Degradation of Metronidazole Using Dâ€gâ€C 3 N 4 â€Bi 5 O 7 I Composites Under Visible Light Irradiation: Degradation Product, and Mechanisms. ChemistrySelect, 2019, 4, 10288-10295. | 0.7 | 12 |
| 52 | Exposure to heavy metal contamination and probabilistic health risk assessment using Monte Carlo simulation: a study in the Southeast Iran. Journal of Environmental Health Science & Engineering, 2020, 18, 1217-1226. | 1.4 | 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. Ultrasonics Sonochemistry, 2021, 73, 105531. | 3.8 | 11 |
| 54 | Beach debris quantity and composition around the world: A bibliometric and systematic review. Marine Pollution Bulletin, 2022, 178, 113637. | 2.3 | 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. Journal of the Iranian Chemical Society, 2017, 14, 1725-1733. | 1.2 | 10 |
| 56 | Effect of immature and mature compost addition on petroleum contaminated soils composting: kinetics. Journal of Environmental Health Science & Engineering, 2019, 17, 839-846. | 1.4 | 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. Environmental Science and Pollution Research, 2021, 28, 55888-55904. | 2.7 | 10 |
| 58 | Designed synthesis of perylene diimide-based supramolecular heterojunction with g-C3N4@MIL-125(Ti): insight into photocatalytic performance and mechanism. Journal of Materials Science: Materials in Electronics, 2021, 32, 19-32. | 1.1 | 9 |
| 59 | Potential cytotoxicity of PM2.5â€“bound PAHs and toxic metals collected from areas with different traffic densities on human lung epithelial cells (A549). Journal of Environmental Health Science & Engineering, 2021, 19, 1701-1712. | 1.4 | 9 |
| 60 | A Review of the Use of Earthworms and Aquatic Worms for Reducing Sludge Produced: An Innovative Ecotechnology. Waste and Biomass Valorization, 2018, 9, 1543-1557. | 1.8 | 8 |
| 61 | Iranian experiences in terms of consumption of disposable single- use plastics: Introduction to theoretical variables for developing environmental health promotion efforts. Environmental Toxicology and Pharmacology, 2019, 65, 18-22. | 2.0 | 8 |
| 62 | Characterization of polycyclic aromatic hydrocarbons associated with PM<sub>10</sub> emitted from the largest composting facility in the Middle East. Toxin Reviews, 2021, 40, 1481-1495. | 1.5 | 8 |
| 63 | A combined ultrasonic and chemical conditioning process for upgrading the sludge dewaterability. International Journal of Environmental Analytical Chemistry, 2022, 102, 1613-1626. | 1.8 | 8 |
| 64 | The effect of PM2.5-related hazards on biomarkers of bronchial epithelial cells (A549) inflammation in Karaj and Fardis cities. Environmental Science and Pollution Research, 2022, 29, 2172-2182. | 2.7 | 8 |
| 65 | Synthesis of new hybrid composite based on TiO2 for photo-catalytic degradation of sulfamethoxazole and pharmaceutical wastewater, optimization, performance, and reaction mechanism studies. Environmental Science and Pollution Research, 2022, 29, 56403-56418. | 2.7 | 8 |
| 66 | The efficiency of removing metronidazole and ciprofloxacin antibiotics as pharmaceutical wastes during the process of composting. International Journal of Environmental Analytical Chemistry, 2022, 102, 4250-4260. | 1.8 | 7 |
| 67 | On-site carwash wastewater treatment and reuse: a systematic review. International Journal of Environmental Analytical Chemistry, 2022, 102, 3613-3627. | 1.8 | 7 |
| 68 | Airborne particulate matter in Tehranâ€™s ambient air. Journal of Environmental Health Science & Engineering, 2021, 19, 1179-1191. | 1.4 | 7 |
| 69 | Preparation of Carbon-Alumina (C/Al2O3) aerogel nanocomposite for benzene adsorption from flow gas in fixed bed reactor. MethodsX, 2019, 6, 2476-2483. | 0.7 | 6 |
| 70 | 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. International Journal of Environmental Analytical Chemistry, 2022, 102, 804-819. | 1.8 | 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. Journal of Environmental Health Science & Engineering, 2020, 18, 1521-1530. | 1.4 | 5 |
| 72 | Polycyclic aromatic hydrocarbons in PM2.5 atmospheric particles in Shiraz, a city in southwest Iran: sources and risk assessment. Arabian Journal of Geosciences, 2021, 14, 1. | 0.6 | 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. | 1.2 | 4 |
| 74 | Evaluation of industrial wastes management practices: Case study of the Savojbolagh industrial zone, Iran. Waste Management and Research, 2020, 38, 44-58. | 2.2 | 4 |
| 75 | 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. New Journal of Chemistry, 2021, 45, 10897-10906. | 1.4 | 4 |
| 76 | Enhanced photocatalytic activity of Fe2O3@ZnO decorated CQD for inactivation of Escherichia coli under visible light irradiation. Journal of Environmental Health Science & Engineering, 2022, 20, 101-112. | 1.4 | 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. | 0.9 | 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. | 1.8 | 3 |
| 79 | Application of Ni-doped ZnO deposited by RF magnetron sputtering technique on FTO as a photoanod in Photo-Electrocatalysis process of Ofloxacin degradation: synthesis, kinetics, and ecotoxicity study. International Journal of Environmental Analytical Chemistry, 2020, , 1-17. | 1.8 | 2 |
| 80 | Photo-catalytic degradation of sulfamethoxazole from aqueous solutions using Cu-TiO2/ CQDs hybrid composite, optimisation, performance and reaction mechanism studies. International Journal of Environmental Analytical Chemistry, 0, , 1-18. | 1.8 | 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. | 0.9 | 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. | 1.0 | 1 |