sahand Jorfi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8380767/publications.pdf Version: 2024-02-01



SAHAND LODEL

#	Article	IF	CITATIONS
1	Enhanced photocatalytic degradation of tetracycline and real pharmaceutical wastewater using MWCNT/TiO2 nano-composite. Journal of Environmental Management, 2017, 186, 55-63.	3.8	301
2	Photocatalytic degradation of rhodamine B and real textile wastewater using Fe-doped TiO2 anchored on reduced graphene oxide (Fe-TiO2/rGO): Characterization and feasibility, mechanism and pathway studies. Applied Surface Science, 2018, 462, 549-564.	3.1	292
3	A novel combination of oxidative degradation for benzotriazole removal using TiO2 loaded on FellFe2llIO4@C as an efficient activator of peroxymonosulfate. Applied Catalysis B: Environmental, 2017, 219, 216-230.	10.8	166
4	4-Chlorophenol degradation using ultrasound/peroxymonosulfate/nanoscale zero valent iron: Reusability, identification of degradation intermediates and potential application for real wastewater. Chemosphere, 2018, 201, 370-379.	4.2	156
5	Sonocatalytic degradation of tetracycline antibiotic using zinc oxide nanostructures loaded on nano-cellulose from waste straw as nanosonocatalyst. Ultrasonics Sonochemistry, 2019, 55, 117-124.	3.8	141
6	Enhanced coagulation-photocatalytic treatment of Acid red 73 dye and real textile wastewater using UVA/synthesized MgO nanoparticles. Journal of Environmental Management, 2016, 177, 111-118.	3.8	137
7	A new approach in sono-photocatalytic degradation of recalcitrant textile wastewater using MgO@Zeolite nanostructure under UVA irradiation. Chemical Engineering Journal, 2018, 343, 95-107.	6.6	136
8	Health risk of phthalates in water environment: Occurrence in water resources, bottled water, and tap water, and burden of disease from exposure through drinking water in tehran, Iran. Environmental Research, 2019, 173, 469-479.	3.7	119
9	The performance study on ultrasonic/Fe 3 O 4 /H 2 O 2 for degradation of azo dye and real textile wastewater treatment. Journal of Molecular Liquids, 2018, 256, 462-470.	2.3	118
10	Ultrasonically induced ZnO–biosilica nanocomposite for degradation of a textile dye in aqueous phase. Ultrasonics Sonochemistry, 2016, 28, 69-78.	3.8	115
11	Photocatalytic decontamination of phenol and petrochemical wastewater through ZnO/TiO ₂ decorated on reduced graphene oxide nanocomposite: influential operating factors, mechanism, and electrical energy consumption. RSC Advances, 2018, 8, 40035-40053.	1.7	115
12	Heterogeneous catalytic degradation of organic compounds using nanoscale zero-valent iron supported on kaolinite: Mechanism, kinetic and feasibility studies. Journal of the Taiwan Institute of Chemical Engineers, 2019, 96, 329-340.	2.7	92
13	Synthesis of chitosan zero-valent iron nanoparticles-supported for cadmium removal: characterization, optimization and modeling approach. Journal of Water Supply: Research and Technology - AQUA, 2017, 66, 116-130.	0.6	78
14	Enhanced sonocatalysis of textile wastewater using bentonite-supported ZnO nanoparticles: Response surface methodological approach. Journal of Environmental Management, 2016, 179, 47-57.	3.8	76
15	A novel salt-tolerant bacterial consortium for biodegradation of saline and recalcitrant petrochemical wastewater. Journal of Environmental Management, 2017, 191, 198-208.	3.8	73
16	Pollution load index for heavy metals in Mian-Ab plain soil, Khuzestan, Iran. Data in Brief, 2017, 15, 584-590.	0.5	63
17	Effectiveness of biostimulation through nutrient content on the bioremediation of phenanthrene contaminated soil. Journal of Environmental Health Science & Engineering, 2014, 12, 143.	1.4	61
18	Powder activated carbon/Fe ₃ O ₄ hybrid composite as a highly efficient heterogeneous catalyst for Fenton oxidation of tetracycline: degradation mechanism and kinetic. RSC Advances, 2015, 5, 84718-84728.	1.7	61

#	Article	IF	CITATIONS
19	Sono-assisted adsorption of a textile dye on milk vetch-derived charcoal supported by silica nanopowder. Journal of Environmental Management, 2017, 187, 111-121.	3.8	56
20	Oxidative degradation of aniline and benzotriazole over PAC@FeIIFe2IIIO4: A recyclable catalyst in a heterogeneous photo-Fenton-like system. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 336, 42-53.	2.0	55
21	Synthesis and evaluations of Fe3O4–TiO2–Ag nanocomposites for photocatalytic degradation of 4-chlorophenol (4-CP): effect of Ag and Fe compositions. International Journal of Industrial Chemistry, 2018, 9, 141-151.	3.1	55
22	Remediation of PAHs contaminated soil using a sequence of soil washing with biosurfactant produced by Pseudomonas aeruginosa strain PF2 and electrokinetic oxidation of desorbed solution, effect of electrode modification with Fe3O4 nanoparticles. Journal of Hazardous Materials, 2019, 379, 120839	6.5	55
23	Implementation of continuously electro-generated Fe3O4 nanoparticles for activation of persulfate to decompose amoxicillin antibiotic in aquatic media: UV254 and ultrasound intensification. Journal of Environmental Management, 2018, 224, 315-326.	3.8	54
24	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
25	Magnetic titanium/carbon nanotube nanocomposite catalyst for oxidative degradation of Bisphenol A from high saline polycarbonate plant effluent using catalytic wet peroxide oxidation. Chemical Engineering Journal, 2019, 370, 372-386.	6.6	50
26	Pyrene removal from contaminated soils by modified Fenton oxidation using iron nano particles. Journal of Environmental Health Science & Engineering, 2013, 11, 17.	1.4	49
27	Implementation of martite nanoparticles prepared through planetary ball milling as a heterogeneous activator of oxone for degradation of tetracycline antibiotic: Ultrasound and peroxy-enhancement. Chemosphere, 2018, 210, 699-708.	4.2	49
28	Stone cutting industry waste-supported zinc oxide nanostructures for ultrasonic assisted decomposition of an anti-inflammatory non-steroidal pharmaceutical compound. Ultrasonics Sonochemistry, 2019, 58, 104669.	3.8	47
29	Application of Biosurfactants Produced by <i>Pseudomonas aeruginosa SP4</i> for Bioremediation of Soils Contaminated by Pyrene. Soil and Sediment Contamination, 2013, 22, 890-911.	1.1	42
30	Electrokinetic treatment of high saline petrochemical wastewater: Evaluation and scale-up. Journal of Environmental Management, 2017, 204, 221-229.	3.8	37
31	Hydrothermal synthesis of Fe-TiO 2 -Ag nano-sphere for photocatalytic degradation of 4-chlorophenol (4-CP): Investigating the effect of hydrothermal temperature and time as well as calcination temperature. Journal of Environmental Chemical Engineering, 2017, 5, 4564-4572.	3.3	36
32	Enhanced degradation of Bisphenol A from high saline polycarbonate plant wastewater using wet air oxidation. Chemical Engineering Research and Design, 2018, 120, 321-330.	2.7	35
33	National and sub-national age-sex specific and cause-specific mortality and disability-adjusted life years (DALYs) attributable to household air pollution from solid cookfuel use (HAP) in Iran, 1990–2013. Environmental Research, 2017, 156, 87-96.	3.7	33
34	Experimental data on adsorption of Cr(VI) from aqueous solution using nanosized cellulose fibers obtained from rice husk. Data in Brief, 2017, 15, 887-895.	0.5	33
35	Enhanced photocatalytic degradation of furfural and a real wastewater using UVC/TiO2 nanoparticles immobilized on white concrete in a fixed-bed reactor. Journal of Industrial and Engineering Chemistry, 2018, 62, 291-301.	2.9	32
36	Age-sex specific disability-adjusted life years (DALYs) attributable to elevated levels of fluoride in drinking water: A national and subnational study in Iran, 2017. Water Research, 2019, 157, 94-105.	5.3	31

#	Article	IF	CITATIONS
37	Enhanced Sono-Fenton-Like Oxidation of PAH-Contaminated Soil Using Nano-Sized Magnetite as Catalyst: Optimization with Response Surface Methodology. Soil and Sediment Contamination, 2017, 26, 538-557.	1.1	28
38	Monitoring of pesticides in surface water, pesticides removal efficiency in drinking water treatment plant and potential health risk to consumers using Monte Carlo simulation in Behbahan City, Iran. Chemosphere, 2022, 286, 131667.	4.2	28
39	Adsorption of Cr(VI) by Natural Clinoptilolite Zeolite from Aqueous Solutions: Isotherms and Kinetics. Polish Journal of Chemical Technology, 2017, 19, 106-114.	0.3	27
40	Enhanced Photocatalytic Degradation and Mineralization of Furfural Using UVC/TiO ₂ /GAC Composite in Aqueous Solution. International Journal of Photoenergy, 2016, 2016, 1-10.	1.4	26
41	Modification of PAHs Biodegradation with Humic Compounds. Soil and Sediment Contamination, 2013, 22, 185-198.	1.1	25
42	Electrocoagulation process to Chemical and Biological Oxygen Demand treatment from carwash grey water in Ahvaz megacity, Iran. Data in Brief, 2017, 11, 634-639.	0.5	25
43	Enhancement of the Bioremediation of Pyrene-Contaminated Soils Using a Hematite Nanoparticle-based Modified Fenton Oxidation in a Sequenced Approach. Soil and Sediment Contamination, 2017, 26, 141-156.	1.1	25
44	Geochemical determination and pollution assessment of heavy metals in agricultural soils of south western of Iran. Journal of Environmental Health Science & Engineering, 2019, 17, 657-669.	1.4	25
45	Spatial distribution, ecological and health risk assessment and source identification of atrazine in Shadegan international wetland, Iran. Marine Pollution Bulletin, 2020, 160, 111569.	2.3	25
46	An innovative drinking water nutritional quality index (DWNQI) for assessing drinking water contribution to intakes of dietary elements: A national and sub-national study in Iran. Ecological Indicators, 2016, 60, 367-376.	2.6	23
47	Zoning of heavy metal concentrations including Cd, Pb and As in agricultural soils of Aghili plain, Khuzestan province, Iran. Data in Brief, 2017, 14, 20-27.	0.5	23
48	Photocatalytic degradation of 2,4-dichlorophenoxyacetic acid using Fe3O4@TiO2/Cu2O magnetic nanocomposite stabilized on granular activated carbon from aqueous solution. Research on Chemical Intermediates, 2020, 46, 2833-2857.	1.3	21
49	Sequencing treatment of landfill leachate using ammonia stripping, Fenton oxidation and biological treatment. Waste Management and Research, 2012, 30, 883-887.	2.2	19
50	National and subnational mortality and disability-adjusted life years (DALYs) attributable to 17 occupational risk factors in Iran, 1990–2015. Environmental Research, 2018, 165, 158-175.	3.7	19
51	Evaluation of biological landfill leachate treatment incorporating struvite precipitation and powdered activated carbon addition. Waste Management and Research, 2010, 28, 759-766.	2.2	17
52	Evaluation of dry solid waste recycling from municipal solid waste: case of Mashhad city, Iran. Waste Management and Research, 2012, 30, 106-112.	2.2	16
53	Age-sex specific and sequela-specific disability-adjusted life years (DALYs) due to dental caries preventable through water fluoridation: An assessment at the national and subnational levels in Iran, 2016. Environmental Research, 2018, 167, 372-385.	3.7	16
54	Optimization of electro-kinetic process for remediation of soil contaminated with phenanthrene using response surface methodology. Environmental Science and Pollution Research, 2021, 28, 1006-1017.	2.7	16

#	Article	IF	CITATIONS
55	Defluoridation of synthetic and natural waters by polyaluminum chloride-chitosan (PACl-Ch) composite coagulant. Water Science and Technology: Water Supply, 2018, 18, 259-269.	1.0	14
56	Electrocoagulation of textile wastewater in the presence of electro-synthesized magnetite nanoparticles: simultaneous peroxi- and ultrasonic-electrocoagulation. Separation Science and Technology, 2020, 55, 945-954.	1.3	14
57	A salt resistant biosurfactant produced by moderately halotolerant Pseudomonas aeruginosa (AHV-KH10) and its application for bioremediation of diesel-contaminated sediment in saline environment. Biodegradation, 2021, 32, 327-341.	1.5	14
58	A comparative study on the removal of pentachlorophenol using copper-impregnated pumice and zeolite. Journal of Environmental Chemical Engineering, 2018, 6, 3342-3348.	3.3	13
59	Evaluation of lead and cadmium concentrations in lipstick and eye pencil cosmetics. Environmental Health Engineering and Management, 2019, 6, 277-282.	0.3	13
60	NITRATE REMOVAL FROM AQUEOUS SOLUTION USING MGCL2 IMPREGNATED ACTIVATED CARBON. Environmental Engineering and Management Journal, 2010, 9, 449-452.	0.2	13
61	Activated persulfate by chelating agent Fe·/complex for in situ degradation of phenol: intermediate identification and optimization study. Research on Chemical Intermediates, 2018, 44, 5501-5519.	1.3	12
62	Development of salt-tolerant microbial consortium during the treatment of saline bisphenol A-containing wastewater: Removal mechanisms and microbial characterization. Journal of Water Process Engineering, 2019, 32, 100949.	2.6	12
63	Hybrid metal and non-metal activation of Oxone by magnetite nanostructures co-immobilized with nano-carbon black to degrade tetracycline: Fenton and electrochemical enhancement with bio-assay. Separation and Purification Technology, 2021, 274, 119055.	3.9	12
64	Remediation of oily sludge wastes using biosurfactant produced by bacterial isolate Pseudomonas balearica strain Z8. Journal of Environmental Health Science & Engineering, 2020, 18, 531-539.	1.4	11
65	Data on biodegradation of total petroleum hydrocarbons using co-composting of cow manure/oily drill wastes. Data in Brief, 2016, 9, 723-726.	0.5	10
66	Thermally activated persulfate treatment and mineralization of a recalcitrant high TDS petrochemical wastewater. Polish Journal of Chemical Technology, 2017, 19, 72-77.	0.3	10
67	Bioremediation of Pyrene-Contaminated Soils Using Biosurfactant. Jentashapir Journal of Health Research, 2014, 5, .	0.2	10
68	Bioremediation of phenanthrene-polluted soil using Bacillus kochii AHV-KH14 as a halo-tolerant strain isolated from compost. Environmental Health Engineering and Management, 2020, 7, 23-30.	0.3	10
69	Ultrasonically induced adsorption of nitrate from aquoeos solution using Fe3O4@activated carbon nanocomposite. , 0, 123, 230-239.		10
70	Transformer oils as a potential source of environmental exposure to polychlorinated biphenyls (PCBs): an assessment in three central provinces of Iran. Environmental Science and Pollution Research, 2017, 24, 19098-19103.	2.7	9
71	Distribution and health risk assessment of organochlorine pesticides in agricultural soils of the Aghili plain, Southwest Iran. Environmental Earth Sciences, 2019, 78, 1.	1.3	9
72	Surfactant-enhanced Bioremediation of n-Hexadecane-contaminated Soil Using Halo-tolerant Bacteria Paenibacillus glucanolyticus sp. Strain T7-AHV Isolated from Marine Environment. Chemical and Biochemical Engineering Quarterly, 2019, 33, 111-123.	0.5	9

#	Article	IF	CITATIONS
73	Biodegradation of high saline petrochemical wastewater by novel isolated halotolerant bacterial strains using integrated powder activated carbon/activated sludge bioreactor. Environmental Progress and Sustainable Energy, 2019, 38, 13088.	1.3	9
74	Hybrid Sono-photocatalytic degradation of Acid Brown 14 Using Persulphate and ZnO Nanoparticles: Feasibility and kinetic Study. International Journal of Environmental Analytical Chemistry, 2022, 102, 4882-4895.	1.8	9
75	Biodegradation of Bisphenol A in a saline industrial wastewater using Alcaligenes faecalis strain BPAN5. , 0, 189, 276-282.		8
76	Lab-scale optimization of propylene glycol removal from synthetic wastewater using activated sludge reactor. Desalination and Water Treatment, 2014, 52, 3585-3593.	1.0	7
77	Photodegradation of Acid red 18 dye by BiOI/ZnO nanocomposite: A dataset. Data in Brief, 2018, 16, 608-611.	0.5	7
78	Data on photo-catalytic degradation of 4- chlorophenol from aqueous solution using UV/ZnO/persulfate. Data in Brief, 2018, 20, 582-586.	0.5	7
79	The environmental performance of four municipal solid waste management scenarios: A life cycle assessment study. Environmental Quality Management, 2021, 31, 77-84.	1.0	7
80	Evaluation of spatial and temporal variation in Karun River water quality during five decades (1968–2014). Environmental Quality Management, 2017, 27, 71-75.	1.0	6
81	An Efficient Biosurfactant by Pseudomonas stutzeri Z12 Isolated from an Extreme Environment for Remediation of Soil Contaminated with Hydrocarbons. Chemical and Biochemical Engineering Quarterly, 2020, 34, 35-48.	0.5	6
82	Effects of pre-ozonation and chemical coagulation on the removal of turbidity, color, TOC, and chlorophyll a from drinking water. Environmental Health Engineering and Management, 2019, 6, 53-61.	0.3	6
83	Cyanide adsorption from aqueous solution using mesoporous zeolite modified by cetyltrimethylammonium bromide surfactant. , 0, 97, 285-294.		6
84	Taguchi optimization approach for metronidazole removal from aqueous solutions by using graphene oxide functionalized β-cyclodextrin/Ag nanocomposite. Water Science and Technology, 2018, 2017, 36-47.	1.2	5
85	Characterization of the biosurfactant produced by Pesudomonas areuginosa strain R4 and its application for remediation pyrene-contaminated soils. Journal of Environmental Health Science & Engineering, 2021, 19, 445-456.	1.4	5
86	Burden of disease induced by public overexposure to solar ultraviolet radiation (SUVR) at the national and subnational levels in Iran, 2005–2019. Environmental Pollution, 2022, 292, 118411.	3.7	5
87	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
88	Comparison of performance and efficiency of four methods to extract genomic DNA from oil contaminated soils in southwestern of Iran. Journal of Environmental Health Science & Engineering, 2020, 18, 463-468.	1.4	4
89	Petroleum Contaminated Seawater Detoxification in Microcosm by Halotolerant Consortium Isolated from Persian Gulf. Current Microbiology, 2021, 78, 95-106.	1.0	4
90	An innovative index for assessing vulnerability of employees of different occupations from the COVID-19 pandemic in Iran. Environmental Research, 2021, 197, 111039.	3.7	4

#	Article	IF	CITATIONS
91	Spatiotemporal analysis of solar ultraviolet radiation based on Ozone Monitoring Instrument dataset in Iran, 2005–2019. Environmental Pollution, 2021, 287, 117643.	3.7	4
92	Biodegradability enhancement of azo dye Direct Orange-26 using UV/Fenton-like process: optimization using response surface methodology. , 0, 81, 233-241.		4
93	National and subnational burden of disease attributable to occupational exposure to solar ultraviolet radiation (SUVR) in Iran, 2005–2019. International Journal of Hygiene and Environmental Health, 2022, 240, 113897.	2.1	4
94	Non-carcinogenic risk assessment of Cr and Pb in vegetables grown in the industrial area in the southwest of Iran using Monte Carlo Simulation approach. International Journal of Environmental Research, 2022, 16, 1.	1.1	4
95	Monitoring and health risk assessment of organochlorine pesticides in Karun River and drinking water Ahvaz city, South West of Iran. Toxin Reviews, 2022, 41, 361-369.	1.5	3
96	Enhancement the conditioning of waste activated sludge through a sequence of freeze/thaw-electro-Fenton process. Polish Journal of Chemical Technology, 2018, 20, 47-53.	0.3	3
97	Herbicide Residues in Water Resources: A Scoping Review. Avicenna Journal of Environmental Health Engineering, 2021, 8, 126-133.	0.3	3
98	Bacterial strains diversity in contaminated soils and their potential for bioremediation of total petroleum hydrocarbons in south west of Iran. Journal of Environmental Health Science & Engineering, 2022, 20, 601-608.	1.4	3
99	Estimation of anthropogenic mercury emission from various sources in Iran. Toxin Reviews, 2017, 36, 52-56.	1.5	2
100	Adsorption of humic acid from aqueous solutions onto shellfish ash: Kinetic and isotherm studies and artificial neural network modeling. Environmental Health Engineering and Management, 2020, 7, 219-228.	0.3	2
101	Biodegradation of total petroleum hydrocarbons in contaminated soils using indigenous bacterial consortium. Environmental Health Engineering and Management, 2020, 7, 127-133.	0.3	2
102	Carcinogenic risk assessment of nitrate contamination of drinking water resources in South Provinces of Iran. International Journal of Environmental Analytical Chemistry, 2024, 104, 251-260.	1.8	2
103	Data on greenhouse gases emission in condensate separation unit of a petrochemical company in Iran. Data in Brief, 2016, 8, 750-754.	0.5	1
104	Monitoring of 2,4-dichlorophenoxyacetic acid concentration in Karun River and effluents of water treatment plants. Toxin Reviews, 2022, 41, 785-794.	1.5	1
105	Enhanced biosurfactant-assisted composting of oily sludge using a diverse halo-tolerant consortium in the saline environment: effect of repeated inoculation and mixing ratios. Biomass Conversion and Biorefinery, 2024, 14, 2405-2419.	2.9	1
106	Lab-scale optimization of propylene glycol removal from synthetic wastewater using activated sludge reactor**. Desalination and Water Treatment, 2014, 52, (ix)-(ix).	1.0	0
107	Advanced treatment of saline municipal wastewater by Ruppia maritima: A data set. Data in Brief, 2017, 13, 545-549.	0.5	0
108	Evaluation of sodium ferrate as an efficient coagulant for total suspended solids and nematode		0

removal from water. , 0, 130, 142-150.

#	Article	IF	CITATIONS
109	Oxidative degradation of furfural using synthesized copper activated persulfate in aqueous solution, intermediates identification and artificial neural network modeling. , 0, 148, 128-140.		0
110	Biodegradation potential of native hydrocarbon degrading bacteria by using bio-stimulation on crude oil in soils of Khuzestan province (Abadan, Ahvaz and Andimeshk) –Iran. Bioremediation Journal, 0, , 1-10.	1.0	0