

# Meghdad Pirsaeheb

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2007242/publications.pdf>

Version: 2024-02-01

104  
papers

3,259  
citations

101384

36  
h-index

174990

52  
g-index

105  
all docs

105  
docs citations

105  
times ranked

4248  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. <i>Nature</i> , 2019, 574, 353-358.	13.7	161
2	Review of microplastic occurrence and toxicological effects in marine environment: Experimental evidence of inflammation. <i>Chemical Engineering Research and Design</i> , 2020, 142, 1-14.	2.7	152
3	Chitosan modified N, S-doped TiO <sub>2</sub> and N, S-doped ZnO for visible light photocatalytic degradation of tetracycline. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 360-373.	3.6	111
4	Determination of organophosphorous pesticides in summer crops using ultrasound-assisted solvent extraction followed by dispersive liquid-liquid microextraction based on the solidification of floating organic drop. <i>Food Control</i> , 2013, 34, 378-385.	2.8	94
5	Batch and column studies for the adsorption of chromium(VI) on low-cost Hibiscus Cannabinus kenaf, a green adsorbent. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 68, 80-89.	2.7	91
6	A systematic literature review for some toxic metals in widely consumed rice types (domestic and international) and Environmental Safety, 2019, 176, 64-75.	2.9	89
7	Human health risk assessment for some toxic metals in widely consumed rice brands (domestic and international) and Environmental Safety, 2019, 176, 64-75.	4.2	83
8	Functionalized fluorescent carbon nanostructures for targeted imaging of cancer cells: A review. <i>Mikrochimica Acta</i> , 2019, 186, 231.	2.5	81
9	Human health risk assessment by Monte Carlo simulation method for heavy metals of commonly consumed cereals in Iran- Uncertainty and sensitivity analysis. <i>Journal of Food Composition and Analysis</i> , 2021, 96, 103697.	1.9	72
10	Occurrence of microplastic particles in the most popular Iranian bottled mineral water brands and an assessment of human exposure. <i>Journal of Water Process Engineering</i> , 2021, 39, 101708.	2.6	71
11	Essential and toxic heavy metals in cereals and agricultural products marketed in Kermanshah, Iran, and human health risk assessment. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2016, 9, 15-20.	1.3	70
12	Knowledge, attitude and practices of farmers about pesticide use, risks, and wastes; a cross-sectional study (Kermanshah, Iran). <i>Science of the Total Environment</i> , 2018, 645, 509-517.	3.9	70
13	Development of a liquid-phase microextraction based on the freezing of a deep eutectic solvent followed by HPLC-UV for sensitive determination of common pesticides in environmental water samples. <i>RSC Advances</i> , 2018, 8, 11412-11418.	1.7	69
14	Photocatalytic degradation of Aniline from aqueous solutions under sunlight illumination using immobilized Cr:ZnO nanoparticles. <i>Scientific Reports</i> , 2017, 7, 1473.	1.6	68
15	Bioaccessibility analysis of toxic metals in consumed rice through an in vitro human digestion model – Comparison of calculated human health risk from raw, cooked and digested rice. <i>Food Chemistry</i> , 2019, 299, 125126.	4.2	65
16	Response surface methodology (RSM) and its application for optimization of ammonium ions removal from aqueous solutions by pumice as a natural and low cost adsorbent. <i>Archives of Environmental Protection</i> , 2016, 42, 33-43.	1.1	64
17	Pesticide decontamination using UV/ferrous-activated persulfate with the aid neuro-fuzzy modeling: A case study of Malathion. <i>Food Research International</i> , 2020, 137, 109557.	2.9	64
18	The reduction of toxic metals of various rice types by different preparation and cooking processes – Human health risk assessment in Tehran households, Iran. <i>Food Chemistry</i> , 2019, 280, 294-302.	4.2	61

#	ARTICLE	IF	CITATIONS
19	Dispersive liquid-liquid microextraction followed by high-performance liquid chromatography-ultraviolet detection to determination of opium alkaloids in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 85, 14-20.	1.4	59
20	Fabrication of novel 2D Ag-TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> /Chitosan nano-composite photocatalyst toward enhanced photocatalytic reduction of nitrate. <i>International Journal of Biological Macromolecules</i> , 2020, 145, 926-935.	3.6	59
21	Phenol adsorption on scoria stone as adsorbent - Application of response surface method and artificial neural networks. <i>Journal of Molecular Liquids</i> , 2019, 274, 699-714.	2.3	57
22	Determination of Bisphenol A in Food and Environmental Samples Using Combined Solid-Phase Extraction-Dispersive Liquid-Liquid Microextraction with Solidification of Floating Organic Drop Followed by HPLC. <i>Food Analytical Methods</i> , 2016, 9, 1814-1824.	1.3	54
23	Removal of diazinon and 2,4-dichlorophenoxyacetic acid (2,4-D) from aqueous solutions by granular-activated carbon. <i>Desalination and Water Treatment</i> , 2014, 52, 4350-4355.	1.0	52
24	Advantages and disadvantages of different pre-cooking and cooking methods in removal of essential and toxic metals from various rice types- human health risk assessment in Tehran households, Iran. <i>Ecotoxicology and Environmental Safety</i> , 2019, 175, 128-137.	2.9	52
25	Evaluation of abamectin, diazinon and chlorpyrifos pesticide residues in apple product of Mahabad region gardens: Iran in 2014. <i>Food Chemistry</i> , 2017, 231, 148-155.	4.2	51
26	Performance of an anaerobic baffled reactor (ABR) treating high strength baker's yeast manufacturing wastewater. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 47, 137-148.	2.7	50
27	Application of dispersive liquid-liquid microextraction based on solidification of floating organic drop for simultaneous determination of alachlor and atrazine in aqueous samples. <i>Journal of Separation Science</i> , 2013, 36, 684-689.	1.3	49
28	Combination of counter current salting-out homogenous liquid-liquid extraction and dispersive liquid-liquid microextraction as a novel microextraction of drugs in urine samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1012-1013, 162-168.	1.2	47
29	Simultaneous determination of imidacloprid and diazinon in apple and pear samples using sonication and dispersive liquid-liquid microextraction. <i>LWT - Food Science and Technology</i> , 2015, 60, 825-831.	2.5	45
30	Application of carbon dots as efficient catalyst for the green oxidation of phenol: Kinetic study of the degradation and optimization using response surface methodology. <i>Journal of Hazardous Materials</i> , 2018, 353, 444-453.	6.5	45
31	Trace determination of heavy metals in farmed trout fish using dispersive liquid-liquid microextraction based on solidification of floating organic drop and graphite furnace atomic absorption spectrometry. <i>Analytical Methods</i> , 2015, 7, 6266-6273.	1.3	44
32	Kinetic evaluation and process performance of a fixed film bioreactor removing phthalic acid and dimethyl phthalate. <i>Journal of Hazardous Materials</i> , 2009, 167, 500-506.	6.5	43
33	Trace analysis of some organophosphorus pesticides in rice samples using ultrasound-assisted dispersive liquid-liquid microextraction and high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2015, 38, 1010-1016.	1.3	42
34	Simultaneous preconcentration and determination of 2,4-D, alachlor and atrazine in aqueous samples using dispersive liquid-liquid microextraction followed by high-performance liquid chromatography ultraviolet detection. <i>Journal of Separation Science</i> , 2012, 35, 2718-2724.	1.3	41
35	Optimization of photocatalytic degradation of methyl orange using immobilized scoria-Ni/TiO <sub>2</sub> nanoparticles. <i>Journal of Nanostructure in Chemistry</i> , 2020, 10, 143-159.	5.3	41
36	The comparison of parasite eggs and protozoan cysts of urban raw wastewater and efficiency of various wastewater treatment systems to remove them. <i>Ecological Engineering</i> , 2012, 44, 244-248.	1.6	38

#	ARTICLE	IF	CITATIONS
37	Determination of ultra traces of lead in water samples after combined solid-phase extractionâ€“dispersive liquidâ€“liquid microextraction by graphite furnace atomic absorption spectrometry. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 249-256.	1.2	38
38	Organochlorine pesticides residue in breast milk: a systematic review. <i>Medical Journal of the Islamic Republic of Iran</i> , 2015, 29, 228.	0.9	37
39	Process modeling and optimization of biological removal of carbon, nitrogen and phosphorus from hospital wastewater in a continuous feeding & intermittent discharge (CFID) bioreactor. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 1340-1353.	1.2	36
40	Evaluation of conventional wastewater treatment plants efficiency to remove microplastics in terms of abundance, size, shape, and type: A systematic review and Meta-analysis. <i>Marine Pollution Bulletin</i> , 2022, 177, 113462.	2.3	30
41	Solar degradation of malachite green using nickel-doped TiO <sub>2</sub> nanocatalysts. <i>Desalination and Water Treatment</i> , 2016, 57, 9881-9888.	1.0	28
42	Toxicological effects of transition metal-doped titanium dioxide nanoparticles on goldfish ( <i>Carassius</i> ) Tj ETQq0 0 0 rBT /Overlock 10 Tf	4.2	28
43	A systematic review of the sonophotocatalytic process for the decolorization of dyes in aqueous solution: Synergistic mechanisms, degradation pathways, and process optimization. <i>Journal of Water Process Engineering</i> , 2021, 44, 102314.	2.6	26
44	Evaluating the efficiency of electrochemical process in removing COD and NH <sub>4</sub> <sup>-</sup> -N from landfill leachate. <i>Desalination and Water Treatment</i> , 2016, 57, 6644-6651.	1.0	24
45	Which is better for optimizing the biosorption process of lead â€“ central composite design or the Taguchi technique?. <i>Water Science and Technology</i> , 2016, 74, 1446-1456.	1.2	23
46	A review of available techniques for determination of nano-antimicrobials activity. <i>Toxin Reviews</i> , 2017, 36, 18-32.	1.5	23
47	Measurement of permethrin, deltamethrin and malathion pesticide residues in the wheat flour and breads and probabilistic health risk assessment: a case study in Kermanshah, Iran. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 1353-1364.	1.8	23
48	Optimization of reactive black 5 degradation using hydrothermally synthesized NiO/TiO <sub>2</sub> nanocomposite under natural sunlight irradiation. <i>Desalination and Water Treatment</i> , 2016, 57, 25256-25266.	1.0	21
49	Occurrence and exposure analysis of microplastic in the gut and muscle tissue of riverine fish in Kermanshah province of Iran. <i>Marine Pollution Bulletin</i> , 2021, 173, 112915.	2.3	21
50	Domestic scale vermicomposting for solid waste management. <i>International Journal of Recycling of Organic Waste in Agriculture</i> , 2013, 2, 4.	2.0	20
51	preconcentration and determination of amoxicillin and ceftriaxone in hospital sewage using vortex-assisted liquid-ï»¿phase microextraction based on the solidification of the deep eutectic solvent followed by HPLCâ€“UV. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, 99, 112-123.	1.8	20
52	Coupling effect of ozone/ultrasound with coagulation for improving NOM and turbidity removal from surface water. <i>Journal of Water Process Engineering</i> , 2020, 37, 101340.	2.6	19
53	Response surface analysis of effects of hydraulic retention time and influent feed concentration on performance of an UASFF bioreactor. <i>Waste Management</i> , 2010, 30, 1798-1807.	3.7	18
54	Continuous sample drop flow-microextraction followed by high performance liquid chromatography for determination of triazine herbicides from fruit juices. <i>Analytical Methods</i> , 2017, 9, 980-985.	1.3	18

#	ARTICLE	IF	CITATIONS
55	Evaluation of polycyclic aromatic hydrocarbons (PAHs) in fish: a review and meta-analysis. <i>Toxin Reviews</i> , 2020, 39, 205-213.	1.5	18
56	Preparation of multi-walled carbon nanotube-doped TiO <sub>2</sub> composite and its application in petroleum refinery wastewater treatment. <i>Desalination and Water Treatment</i> , 2016, 57, 14443-14452.	1.0	16
57	The hybrid system successfully to consisting of activated sludge and biofilter process from hospital wastewater: Ecotoxicological study. <i>Journal of Environmental Management</i> , 2020, 276, 111098.	3.8	16
58	A review of microplastic pollution in commercial fish for human consumption. <i>Reviews on Environmental Health</i> , 2023, 38, 97-109.	1.1	16
59	Simultaneous determination of deltamethrin, permethrin and malathion in stored wheat samples using continuous sample drop flow microextraction followed by HPLC-UV. <i>Journal of Food Measurement and Characterization</i> , 2018, 12, 118-127.	1.6	15
60	Occurrence and characterization of microplastic content in the digestive system of riverine fishes. <i>Journal of Environmental Management</i> , 2021, 299, 113620.	3.8	15
61	A systematic review on organochlorine and organophosphorus pesticides content in water resources. <i>Toxin Reviews</i> , 0, , 1-12.	1.5	14
62	Application of high rate integrated anaerobic-aerobic/biogrannular activated carbon sequencing batch reactor (IAAn-BioGACsBR) for treating strong municipal landfill leachate. <i>Scientific Reports</i> , 2017, 7, 3109.	1.6	14
63	Simultaneously implement of both weak magnetic field and aeration for ciprofloxacin removal by Fenton-like reaction. <i>Journal of Environmental Management</i> , 2019, 246, 776-784.	3.8	14
64	Fluoride and nitrate adsorption from water by Fe(III)-doped scoria: optimizing using response surface modeling, kinetic and equilibrium study. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 1117-1132.	1.0	13
65	Fluctuation of organic substances, solids, protozoan cysts, and parasite egg at different units of a wastewater integrated stabilization pond (full scale treatment plant): a case study, Iran. <i>Desalination and Water Treatment</i> , 2016, 57, 4913-4919.	1.0	12
66	Optimization of a new methodology for trace determination of elements in biological fluids: Application for speciation of inorganic selenium in children's blood. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 140, 155-161.	1.4	12
67	Simultaneous wastewater treatment and biogas production using integrated anaerobic baffled reactor granular activated carbon from baker's yeast wastewater. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 784-794.	1.4	12
68	Fenton-like removal of tetracycline from aqueous solution using iron-containing carbon dot nanocatalysts. <i>New Journal of Chemistry</i> , 2020, 44, 17735-17743.	1.4	12
69	Evaluation of a zeolite/anaerobic baffled reactor hybrid system for treatment of low bio-degradable effluents. <i>Materials Science and Engineering C</i> , 2019, 104, 109943.	3.8	11
70	Site selection and environmental risks assessment of medical solid waste landfill for the City of Kermanshah-Iran. <i>International Journal of Environmental Health Research</i> , 2022, 32, 155-167.	1.3	11
71	Determination of Fenvalerate in Tomato by Ultrasound-Assisted Solvent Extraction Combined with Dispersive Liquid-Liquid Microextraction. <i>Journal of Chromatographic Science</i> , 2014, 52, 944-949.	0.7	10
72	Optimization of a methodology for the simultaneous determination of deltamethrin, permethrin and malathion in stored wheat samples using dispersive liquid-liquid microextraction with solidification of floating organic drop and HPLC-UV. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2017, 52, 641-650.	0.7	10

#	ARTICLE	IF	CITATIONS
73	Kinetic study of real landfill leachate treated by non-thermal plasma (NTP) and granular sequential batch reactors (GSBR). <i>Journal of Water Process Engineering</i> , 2021, 43, 102245.	2.6	10
74	A comparison between extended aeration sludge and conventional activated sludge treatment for removal of linear alkylbenzene sulfonates (Case study: Kermanshah and Paveh WWTP). <i>Desalination and Water Treatment</i> , 2014, 52, 4673-4680.	1.0	9
75	Data for distribution of various species of fecal coliforms in urban, rural and private drinking water sources in ten years period " A case study: Kermanshah, Iran. <i>Data in Brief</i> , 2018, 18, 1544-1550.	0.5	9
76	Determination of Diazinon, Phosalone and Endosulfan in Raw Milk using Continuous Sample Drop Flow Microextraction Followed by High Performance Liquid Chromatography"Ultraviolet Detection. <i>Journal of Analytical Chemistry</i> , 2019, 74, 114-120.	0.4	9
77	A Systematic Review of Radon Investigations Related to Public Exposure in Iran. <i>Iranian Red Crescent Medical Journal</i> , 2013, 15, e10204.	0.5	9
78	Evaluating efficiency of H <sub>2</sub> O <sub>2</sub> on removal of organic matter from drinking water. <i>Desalination and Water Treatment</i> , 0, , 1-5.	1.0	8
79	Blood lead concentration among oral/inhaled opium users: systematic review and meta-analysis. <i>Critical Reviews in Toxicology</i> , 2021, 51, 24-35.	1.9	8
80	Ultrasonic Enhanced Zero-Valent Iron-Based Fenton Reaction for Ciprofloxacin Removal under Aerobic Condition. <i>Environmental Processes</i> , 2020, 7, 227-241.	1.7	7
81	Polycyclic Aromatic Hydrocarbons (PAHs) Formation in Grilled Meat products"Analysis and Modeling with Artificial Neural Networks. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 156-172.	1.4	7
82	Natural airborne dust and heavy metals: a case study for kermanshah, Western iran (2005-2011). <i>Iranian Journal of Public Health</i> , 2014, 43, 460-70.	0.3	7
83	Application of the central composite design for the treatment of soft drink factory wastewater in two-stage aerobic sequencing batch reactors combined with ozonation. <i>Desalination and Water Treatment</i> , 2016, 57, 19077-19086.	1.0	6
84	Dataset on the cost estimation for spent filter backwash water (SFBW) treatment. <i>Data in Brief</i> , 2017, 15, 1043-1047.	0.5	6
85	Data on the effect of geological and meteorological parameters on indoor radon and thoron level-case study: Kermanshah, Iran. <i>Data in Brief</i> , 2018, 18, 1945-1951.	0.5	6
86	Fabrication of durable superhydrophobic nanofibrous filters for oil-water separation using three novel modified nanoparticles (ZnO"NSPO, AlOO"NSPO, and TiO <sub>2</sub> "NSPO). <i>Polymers for Advanced Technologies</i> , 2020, 31, 941-956.	1.6	6
87	The Influence of Internal Wall and Floor Covering Materials and Ventilation Type on Indoor Radon and Thoron Levels in Hospitals of Kermanshah, Iran. <i>Iranian Red Crescent Medical Journal</i> , 2016, 18, e25292.	0.5	6
88	Blood lead concentrations in children with iron deficiency anemia: a systematic review and meta-analysis. <i>Environmental Science and Pollution Research</i> , 2022, 29, 3199-3212.	2.7	6
89	Fate and inhibition of Bis (2-Ethylhexyl) phthalate in biophysical reactors for treating real landfill leachate. <i>Chemical Engineering Research and Design</i> , 2022, 160, 450-464.	2.7	6
90	Biomonitorization of metal ions in the serum of Iranian patients treated with fixed orthodontic appliances in comparison with controls in eastern Iran. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33373-33386.	2.7	5

#	ARTICLE	IF	CITATIONS
91	Multivariate statistical evaluation of heavy metals in the urine of opium individuals in comparison with healthy people in Western Iran. <i>Environmental Science and Pollution Research</i> , 2022, 29, 8232-8241.	2.7	5
92	Synthesized Cr/TiO <sub>2</sub> immobilized on pumice powder for photochemical degradation of acid orange-7 dye under UV/visible light: influential operating factors, optimization, and modeling. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2020, 18, 1329-1341.	1.4	4
93	A systematic review on photo-Fenton process as an efficient advanced oxidation for degradation of amoxicillin in aqueous environments. <i>Reviews on Environmental Health</i> , 2023, 38, 313-326.	1.1	4
94	Zeolite-intermittent cycle moving bed air-lift bioreactor (Zeo-ICMBABR) for composting leachate treatment; simultaneous COD, nitrogen and phosphorous compounds removal. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2020, 18, 933-945.	1.4	3
95	Advanced oxidation processes for the removal of phthalate esters (PAEs) in aqueous matrices: a review. <i>Reviews on Environmental Health</i> , 2022, .	1.1	3
96	Determining Parasite Presence in Raw Municipal Wastewater by Bailenger Method in Kermanshah, Iran. <i>Water Quality, Exposure, and Health</i> , 2015, 7, 525-530.	1.5	2
97	An experimental study on the influence of zeolite on changes of pH and alkalinity in anaerobic treatment of compost leachate. <i>Environmental Quality Management</i> , 2019, 29, 139-146.	1.0	2
98	Operational parameters influenced on biogas production in zeolite/anaerobic baffled reactor for compost leachate treatment. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2021, 19, 1743-1751.	1.4	2
99	Assessment of Thermal Comfort in Hospital Wards of Kermanshah, Iran, based on the Standards. <i>Indian Journal of Public Health Research and Development</i> , 2017, 8, 357.	0.1	2
100	Assessment of Triazine Herbicides Residual in Fruit and Vegetables Using Ultrasound Assisted Extraction-Dispersive Liquid-Liquid Microextraction with Solidification of Floating Organic Drop. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	1
101	Data on performance of air stripping tower- PAC integrated system for removing of odor, taste, dye and organic materials from drinking water-A case study in Saqqez, Iran. <i>Data in Brief</i> , 2018, 18, 1292-1297.	0.5	1
102	Bis(2-ethylhexyl) phthalate inhibition on aerobic flocculent and granular sludge in the treatment of landfill leachate: a comparative study. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	1
103	Studying the Frequency of Needle Stick Injuries Suffered While Providing Medical Services in a Hospital in Kermanshah, Iran. <i>Indian Journal of Public Health Research and Development</i> , 2017, 8, 363.	0.1	0
104	The formation of aerobic granular sludge for the treatment of real landfill leachate using a granular sequencing batch reactor at a constant volume. <i>Environmental Quality Management</i> , 0, , .	1.0	0