Mehdi Fazlzadeh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2161151/publications.pdf

Version: 2024-02-01

97 papers	5,947 citations	87888 38 h-index	85541 71 g-index
101 all docs	101 docs citations	101 times ranked	6501 citing authors

#	Article	IF	Citations
1	Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950â€“2019: a comprehensive demographic analysis for the Global Burden of Disease Study 2019. Lancet, The, 2020, 396, 1160-1203.	13.7	890
2	Spatial, temporal, and demographic patterns in prevalence of smoking tobacco use and attributable disease burden in 204 countries and territories, 1990â€“2019: a systematic analysis from the Global Burden of Disease Study 2019. Lancet, The, 2021, 397, 2337-2360.	13.7	609
3	Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990â€“2019: a systematic analysis for the Global Burden of Disease Study 2019. Lancet, The, 2020, 396, 1250-1284.	13.7	330
4	A novel green synthesis of zero valent iron nanoparticles (NZVI) using three plant extracts and their efficient application for removal of Cr(VI) from aqueous solutions. Advanced Powder Technology, 2017, 28, 122-130.	4.1	268
5	Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. Lancet, The, 2021, 398, 870-905.	13.7	229
6	Preparation, characterization and Cr(VI) adsorption evaluation of NaOH-activated carbon produced from Date Press Cake; an agro-industrial waste. Bioresource Technology, 2018, 258, 48-56.	9.6	203
7	Characteristics and health effects of BTEX in a hot spot for urban pollution. Ecotoxicology and Environmental Safety, 2018, 155, 133-143.	6.0	165
8	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. Nature, 2019, 574, 353-358.	27.8	161
9	Green preparation of activated carbon from pomegranate peel coated with zero-valent iron nanoparticles (nZVI) and isotherm and kinetic studies of amoxicillin removal in water. Environmental Science and Pollution Research, 2020, 27, 36732-36743.	5.3	134
10	Enhancement of methylene blue adsorption onto activated carbon prepared from Date Press Cake by low frequency ultrasound. Journal of Molecular Liquids, 2018, 264, 591-599.	4.9	129
11	Green synthesis of zinc oxide nanoparticles using Peganum harmala seed extract, and loaded on Peganum harmala seed powdered activated carbon as new adsorbent for removal of Cr(VI) from aqueous solution. Ecological Engineering, 2017, 103, 180-190.	3.6	127
12	Preliminary assessment of BTEX concentrations in indoor air of residential buildings and atmospheric ambient air in Ardabil, Iran. Atmospheric Environment, 2016, 132, 91-97.	4.1	96
13	Phthalate acid esters (PAEs) accumulation in coastal sediments from regions with different land use configuration along the Persian Gulf. Ecotoxicology and Environmental Safety, 2019, 169, 496-506.	6.0	96
14	A novel, eco-friendly and green synthesis of PPAC-ZnO and PPAC-nZVI nanocomposite using pomegranate peel: Cephalexin adsorption experiments, mechanisms, isotherms and kinetics. Advanced Powder Technology, 2020, 31, 1612-1623.	4.1	93
15	Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000â€“17. The Lancet Global Health, 2020, 8, e1162-e1185.	6.3	91
16	BTEX in indoor air of beauty salons: Risk assessment, levels and factors influencing their concentrations. Ecotoxicology and Environmental Safety, 2018, 159, 102-108.	6.0	86
17	Characteristics and health effects of formaldehyde and acetaldehyde in an urban area in Iran. Environmental Pollution, 2018, 242, 938-951.	7.5	86
18	Application of Boxâ€“Behnken design for optimizing parameters of hexavalent chromium removal from aqueous solutions using Fe3O4 loaded on activated carbon prepared from alga: Kinetics and equilibrium study. Journal of Water Process Engineering, 2021, 42, 102113.	5.6	84

#	Article	IF	Citations
19	Green synthesis of nano-zero-valent iron from Nettle and Thyme leaf extracts and their application for the removal of cephalexin antibiotic from aqueous solutions. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Over		
20	Exposure and risk assessment of PAHs in indoor air of waterpipe cafÃ©s in Ardebil, Iran. Building and Environment, 2019, 155, 47-57.	6.9	73
21	Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000â€“17: analysis for the Global Burden of Disease Study 2017. Lancet, The, 2020, 395, 1779-1801.	13.7	72
22	BTEX in indoor air of waterpipe cafÃ©s: Levels and factors influencing their concentrations. Science of the Total Environment, 2015, 524-525, 347-353.	8.0	70
23	Benzene, toluene, ethylbenzene and xylene concentrations in atmospheric ambient air of gasoline and CNG refueling stations. Air Quality, Atmosphere and Health, 2016, 9, 403-409.	3.3	69
24	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. Archives of Environmental Protection, 2016, 42, 33-43.	1.1	64
25	A novel silica supported chitosan/glutaraldehyde as an efficient sorbent in solid phase extraction coupling with HPLC for the determination of Penicillin G from water and wastewater samples. Arabian Journal of Chemistry, 2020, 13, 7147-7159.	4.9	63
26	Exposure to high levels of PM2.5 and PM10 in the metropolis of Tehran and the associated health risks during 2016â€“2017. Microchemical Journal, 2019, 150, 104174.	4.5	60
27	Concentrations of carbon monoxide in indoor and outdoor air of Ghalyun cafes. Atmospheric Pollution Research, 2015, 6, 550-555.	3.8	55
28	Particulate matters and bioaerosols during Middle East dust storms events in Ilam, Iran. Microchemical Journal, 2020, 152, 104280.	4.5	54
29	Removal of diazinon and 2,4-dichlorophenoxyacetic acid (2,4-D) from aqueous solutions by granular-activated carbon. Desalination and Water Treatment, 2014, 52, 4350-4355.	1.0	52
30	Removal of hexavalent chromium from aqueous solution by granular and powdered Peganum Harmala. Applied Surface Science, 2014, 292, 670-677.	6.1	52
31	Application of ZnO and TiO2 nanoparticles coated onto montmorillonite in the presence of H2O2 for efficient removal of cephalexin from aqueous solutions. Korean Journal of Chemical Engineering, 2018, 35, 1000-1008.	2.7	51
32	Spatial distribution and contamination of heavy metals in surface water, groundwater and topsoil surrounding Moghanâ€™s tannery site in Ardabil, Iran. International Journal of Environmental Analytical Chemistry, 2022, 102, 1049-1059.	3.3	51
33	Trace determination of lead in lipsticks and hair dyes using microwaveâ€assisted dispersive liquidâ€“liquid microextraction and graphite furnace atomic absorption spectrometry. International Journal of Cosmetic Science, 2015, 37, 489-495.	2.6	47
34	Formaldehyde and acetaldehyde in the indoor air of waterpipe cafÃ©s: Measuring exposures and assessing health effects. Building and Environment, 2019, 165, 106392.	6.9	47
35	Levels and health risk assessments of particulate matters (PM2.5 and PM10) in indoor/outdoor air of waterpipe cafÃ©s in Tehran, Iran. Environmental Science and Pollution Research, 2019, 26, 7205-7215.	5.3	47
36	Exposure and risk assessment of BTEX in indoor air of gyms in Tehran, Iran. Microchemical Journal, 2019, 150, 104135.	4.5	46

#	Article	IF	Citations
37	Process modeling, characterization, optimization, and mechanisms of fluoride adsorption using magnetic agro-based adsorbent. Journal of Environmental Management, 2021, 286, 112173.	7.8	46
38	Air pollutants associated with smoking in indoor/outdoor of waterpipe cafÃ©s in Tehran, Iran: Concentrations, affecting factors and health risk assessment. Scientific Reports, 2019, 9, 3110.	3.3	41
39	The comparison of parasite eggs and protozoan cysts of urban raw wastewater and efficiency of various wastewater treatment systems to remove them. Ecological Engineering, 2012, 44, 244-248.	3.6	38
40	Spatial, temporal, and demographic patterns in prevalence of chewing tobacco use in 204 countries and territories, 1990â€“2019: a systematic analysis from the Global Burden of Disease Study 2019. Lancet Public Health, The, 2021, 6, e482-e499.	10.0	38
41	Seasonal Variation in Culturable Bioaerosols in a Wastewater Treatment Plant. Aerosol and Air Quality Research, 2018, 18, 2826-2839.	2.1	37
42	Magnetic nanocomposite of filamentous algae activated carbon for efficient elimination of cephalexin from aqueous media. Korean Journal of Chemical Engineering, 2020, 37, 80-92.	2.7	34
43	Regression and mathematical modeling of fluoride ion adsorption from contaminated water using a magnetic versatile biomaterial & chelating agent: Insight on production & experimental approaches, mechanism and effects of potential interferers. Journal of Molecular Liquids, 2020, 315, 113653.	4.9	33
44	Data on cephalexin removal using powdered activated carbon (PPAC) derived from pomegranate peel. Data in Brief, 2018, 20, 1434-1439.	1.0	31
45	Comparative evaluation of nitrate adsorption from aqueous solutions using green and red local montmorillonite adsorbents. , 0, 116, 119-128.		31
46	Efficiency of activated carbon prepared from scrap tires magnetized by Fe₃O₄ nanoparticles: characterisation and its application for removal of reactive blue19 from aquatic solutions. International Journal of Environmental Analytical Chemistry, 2022, 102, 1911-1925.	3.3	30
47	Characteristics and health risk assessment of heavy metals in indoor air of waterpipe cafÃ©s. Building and Environment, 2021, 190, 107557.	6.9	29
48	Level of air BTEX in urban, rural and industrial regions of Bandar Abbas, Iran; indoor-outdoor relationships and probabilistic health risk assessment. Environmental Research, 2021, 200, 111745.	7.5	29
49	Indoor air quality in waterpipe cafÃ©s: exposure level to particulate matter. Environmental Science and Pollution Research, 2019, 26, 26605-26616.	5.3	27
50	Application of Ag-doped TiO₂nanoparticle prepared by photodeposition method for nitrate photocatalytic removal from aqueous solutions. Desalination and Water Treatment, 2013, 51, 7137-7144.	1.0	26
51	Degradation of Acid Blue 113 by US/H2O2/Fe2+ and US/S2O82-/Fe2+ processes from aqueous solutions. , 0, 78, 273-280.		26
52	Exposure to BTEX concentration and the related health risk assessment in printing and copying centers. Environmental Science and Pollution Research, 2021, 28, 31195-31206.	5.3	25
53	Application of powdered activated carbon coated with zinc oxide nanoparticles prepared using a green synthesis in removal of Reactive Blue 19 and Reactive Black-5: adsorption isotherm and kinetic models. , 0, 179, 354-367.		25
54	Green synthesis of zinc oxide nanoparticles loaded on activated carbon prepared from walnut peel extract for the removal of Eosin Y and Erythrosine B dyes from aqueous solution: experimental approaches, kinetics models, and thermodynamic studies. Environmental Science and Pollution Research, 2022, 29, 5194-5206.	5.3	24

#	Article	IF	Citations
55	Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000â€“17. The Lancet Global Health, 2020, 8, e1038-e1060.	6.3	23
56	Investigation of operational parameters influencing in treatment of dye from water by electro-Fenton process. Desalination and Water Treatment, 2016, 57, 24387-24394.	1.0	22
57	Electro-decolorization of Reactive Red 198 from aqueous solutions using aluminum electrodes systems: modeling and optimization of operating parameters. Desalination and Water Treatment, 2015, 54, 3152-3160.	1.0	21
58	Decolorization of AR18 dye solution by electrocoagulation: sludge production and electrode loss in different current densities. Desalination and Water Treatment, 2016, 57, 14656-14664.	1.0	21
59	Optimization of sonochemical decomposition of ciprofloxacin antibiotic in US/PS/nZVI process by CCD-RSM method. , 0, 145, 300-308.		21
60	Bioaerosols in the waterpipe cafÃ©s: genera, levels, and factors influencing their concentrations. Environmental Science and Pollution Research, 2019, 26, 20297-20307.	5.3	20
61	Electrochemical Decolorization of Reactive Dye from Synthetic Wastewater by Mono-Polar Aluminum Electrodes System. International Journal of Electrochemical Science, 2017, 12, 4745-4755.	1.3	19
62	Efficiency of Zeolite Coated with Zero-Valent Iron Nanoparticles for Removal of Humic Acid from Aqueous Solutions. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	19
63	Microbial quality and physicalâ€“chemical characteristics of thermal springs. Environmental Geochemistry and Health, 2016, 38, 413-422.	3.4	16
64	COVID-19 and beliefs about tobacco use: an online cross-sectional study in Iran. Environmental Science and Pollution Research, 2021, 28, 40346-40354.	5.3	16
65	Data of furfural adsorption on nano zero valent iron (NZVI) synthesized from Nettle extract. Data in Brief, 2018, 16, 341-345.	1.0	15
66	BTEX levels in rural households: Heating system, building characteristic impacts and lifetime excess cancer risk assessment. Environmental Pollution, 2022, 298, 118845.	7.5	15
67	Formaldehyde Removal from Airstreams Using a Biofilter with a Mixture of Compost and Woodchips Medium. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	14
68	A survey on the ratio of effluent algal BOD concentration in primary and secondary facultative ponds to influent raw BOD concentration. Desalination and Water Treatment, 2015, 53, 3475-3481.	1.0	13
69	Occurrence, potential sources, in vitro bioaccessibility and health risk assessment of heavy metal in indoor dust from different microenvironment of Bushehr, Iran. Environmental Geochemistry and Health, 2020, 42, 3641-3658.	3.4	13
70	Degradation of Acid Blue 113 in aqueous solutions by the electrochemical advanced oxidation in the presence of persulfate. , 0, 59, 202-209.		13
71	The effects of ventilation and building characteristics on indoor air quality in waterpipe cafÃ©s. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 805-813.	3.9	12
72	EFFECT OF MOLASSES ADDITION AS BIODEGRADABLE MATERIAL ON PHENOL REMOVAL UNDER ANAEROBIC CONDITIONS. Environmental Engineering and Management Journal, 2018, 17, 1475-1482.	0.6	12

#	Article	IF	Citations
73	Hydrogen sulfide concentrations in indoor air of thermal springs. Human and Ecological Risk Assessment (HERA), 2018, 24, 1441-1452.	3.4	11
74	Detection of SARS-CoV-2 in the indoor air of intensive care unit (ICU) for severe COVID-19 patients and its surroundings: considering the role of environmental conditions. Environmental Science and Pollution Research, 2022, 29, 85612-85618.	5.3	11
75	Long term exposure to ambient air particulate matter and mortality effects in Megacity of Tehran, Iran: 2012â€“2017. Particuology, 2021, 58, 139-146.	3.6	10
76	Assessment of types of bacterial bio-aerosols and concentrations in the indoor air of gyms. Environmental Geochemistry and Health, 2021, 43, 2165-2173.	3.4	9
77	Evaluating efficiency of H₂O₂on removal of organic matter from drinking water. Desalination and Water Treatment, 0, , 1-5.	1.0	8
78	Health benefits of using air purifier to reduce exposure to PM2.5-bound polycyclic aromatic hydrocarbons (PAHs), heavy metals and ions. Journal of Cleaner Production, 2022, 352, 131457.	9.3	8
79	Degradation of Phenol in Aqueous Solutions Using Electro-Fenton Process. Research Journal of Environmental Sciences, 2015, 9, 332-341.	0.5	7
80	Effects of loading rate, resin height, and bed volume on nitrate removal from drinking water by non-selective strong anion exchange resin (A400E). , 0, 89, 127-135.		7
81	Potential of using green adsorbent of humic acid removal from aqueous solutions: equilibrium, kinetics, thermodynamic and regeneration studies. International Journal of Environmental Analytical Chemistry, 2022, 102, 5373-5390.	3.3	6
82	Characteristics of flavored and non-flavored waterpipe tobacco users: a real-world setting study. Environmental Science and Pollution Research, 2021, 28, 57629-57639.	5.3	5
83	The effect of price on cigarette consumption, distribution, and sale in Tehran: a qualitative study. BMC Public Health, 2021, 21, 1720.	2.9	5
84	Descriptive characteristics of hospitalized adult smokers and never-smokers with COVID-19. Tobacco Induced Diseases, 2020, 18, 46.	0.6	5
85	Comparison of conventional activated sludge system and stabilization pond in removal of chemical and biological parameters. International Journal of Environmental Health Engineering, 2012, 1, 38.	0.4	5
86	Wastewater disinfection using sodium dichloroisocyanate (NaDCC) and sodium hypochlorite (NaOCL): Modeling, optimization and comparative analysis. , 0, 66, 221-228.		5
87	A novel green synthesis of zero valent iron nanoparticles (nZVI) using walnut green skin: characterisation, catalytic degradation and toxicity studies. International Journal of Environmental Analytical Chemistry, 2023, 103, 6458-6474.	3.3	4
88	Latent class analysis of initial nicotine dependence among adult waterpipe smokers. Journal of Environmental Health Science & Engineering, 2021, 19, 1765-1771.	3.0	4
89	Degradation of Acid Blue 113 in aqueous solutions by the electrochemical advanced oxidation in the presence of persulfate. , 0, 59, 202-209.		4
90	Quantitative microbial risk assessment of Giardia cyst and Ascaris egg in effluent of wastewater treatment plants used for agriculture irrigation - a case study. , 0, 80, 142-148.		4

#	Article	IF	Citations
91	Urinary concentrations of BTEX in waterpipe smokers and nonsmokers: Investigating the influence of conventional activities and multiple factors. Ecotoxicology and Environmental Safety, 2022, 241, 113717.	6.0	4
92	Gamma radiation in the mineral hot springs of Ardabil, Iran: Assessment of Environmental Dose Rate and health risk for swimmers. Environmental Monitoring and Assessment, 2020, 192, 431.	2.7	3
93	COVID-19 and acute kidney injury; a case report. Journal of Renal Injury Prevention, 2020, 9, e26-e26.	0.2	3
94	Evaluation of short-term and long-term effect of health training courses on knowledge, attitude, and practice of food handlers. Annals of Tropical Medicine and Public Health, 2017, 10, 1649.	0.1	3
95	Aflatoxin M1 in distributed milks in northwestern Iran: occurrence, seasonal variation, and risk assessment. Environmental Science and Pollution Research, 2022, 29, 41429-41438.	5.3	3
96	Determining Parasite Presence in Raw Municipal Wastewater by Bailenger Method in Kermanshah, Iran. Water Quality, Exposure, and Health, 2015, 7, 525-530.	1.5	2
97	Comparison of Parasitic Contamination in a Society Based on Measurement of the Domestic Raw Wastewater Pollution and Clinical Referrals. Research Journal of Environmental Sciences, 2015, 9, 200-205.	0.5	0