

Faramarz Doulati Ardejani

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74 papers	1,125 citations	17 h-index	30 g-index
77 ext. papers	1,355 ext. citations	3.5 avg, IF	4.7 L-index

#	Paper	IF	Citations
74	Mechanical-Electrical dewatering (EDW) of mine Tailings: Influence of voltage level on water recovery and moisture reduction. <i>Minerals Engineering</i> , 2022 , 175, 107303	4.9	1
73	Satellite Imagery for Monitoring and Mapping Soil Chromium Pollution in a Mine Waste Dump. <i>Remote Sensing</i> , 2021 , 13, 1277	5	2
72	An unsaturated three-dimensional model of fluid flow and heat transfer in NW Sabalan geothermal reservoir. <i>Geothermics</i> , 2021 , 89, 101966	4.3	4
71	Geomechanical model and wellbore stability analysis utilizing acoustic impedance and reflection coefficient in a carbonate reservoir. <i>Journal of Petroleum Exploration and Production</i> , 2021 , 11, 3935-3961 ^{2,2}	4.2	4
70	Prediction of copper content in waste dump of Sarcheshmeh copper mine using visible and near-infrared reflectance spectroscopy. <i>Environmental Earth Sciences</i> , 2020 , 79, 1	2.9	3
69	Locating suitable sites for construction of subsurface dams in semiarid region of Iran: using modified ELECTRE III. <i>Sustainable Water Resources Management</i> , 2020 , 6, 1	1.9	7
68	Application of data envelopment analysis in environmental impact assessment of a coal washing plant: A new sustainable approach. <i>Environmental Impact Assessment Review</i> , 2020 , 83, 106389	5.3	6
67	CHDS: conflict handling in direct sampling for stochastic simulation of spatial variables. <i>Stochastic Environmental Research and Risk Assessment</i> , 2020 , 34, 825-847	3.5	2
66	The occurrence of newly formed minerals in acidic environment and dry-arid climate, case study: low-grade dump of Miduk copper mine. <i>Iranian Journal of Crystallography and Mineralogy</i> , 2020 , 28, 159-170 ^{0,2}	1.7	0
65	Developing a coupled environmental impact assessment (C-EIA) method with sustainable development approach for environmental analysis in coal industries. <i>Environment, Development and Sustainability</i> , 2020 , 22, 6799-6830	4.5	4
64	Potential of Vetiver grass for the phytoremediation of a real multi-contaminated soil, assisted by electrokinetic. <i>Chemosphere</i> , 2020 , 246, 125802	8.4	19
63	The spatial assessment of acid mine drainage potential within a low-grade ore dump: the role of preferential flow paths. <i>Environmental Earth Sciences</i> , 2020 , 79, 1	2.9	2
62	Coupled multi-criteria decision-making method: A new approach for environmental impact assessment of industrial companies. <i>Environmental Progress and Sustainable Energy</i> , 2020 , 39, e13523	2.5	1
61	A hybrid multi-criteria decision making method for site selection of subsurface dams in semi-arid region of Iran. <i>Groundwater for Sustainable Development</i> , 2020 , 10, 100284	6	13
60	Assessment of Cu (II) removal from an aqueous solution by raw <i>Gundelia tournefortii</i> as a new low-cost biosorbent: Experiments and modelling. <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 1943-1955 ^{3,2}	3.2	5
59	A three-dimensional numerical model to simulate Iranian NW Sabalan geothermal system. <i>Geothermics</i> , 2019 , 77, 42-61	4.3	12
58	Application of Geo-electrical Tomography in Coupled Hydro-mechanical-Chemical Investigations in Heap Leaching. <i>Mine Water and the Environment</i> , 2019 , 38, 197-212	2.4	2

57	Environmental geochemistry of As and Pb in a copper low-grade dump, Miduk copper mine, Kerman province, SE Iran. <i>Journal of Geochemical Exploration</i> , 2019 , 198, 54-70	3.8	8
56	Monitoring soil lead and zinc contents via combination of spectroscopy with extreme learning machine and other data mining methods. <i>Geoderma</i> , 2018 , 318, 29-41	6.7	60
55	An Improved 3D Joint Inversion Method of Potential Field Data Using Cross-Gradient Constraint and LSQR Method. <i>Pure and Applied Geophysics</i> , 2018 , 175, 4389-4409	2.2	7
54	Environmental geochemistry of near-neutral waters and mineralogy of zinc and lead at the Angouran non-sulphide zinc mine, NW Iran. <i>Journal of Geochemical Exploration</i> , 2018 , 186, 77-93	3.8	3
53	Novel cyanide electro-biodegradation using in aqueous solution. <i>Journal of Environmental Health Science & Engineering</i> , 2018 , 16, 99-108	2.9	2
52	Geostatistical seismic inversion for non-stationary patterns using direct sequential simulation and co-simulation. <i>Geophysical Prospecting</i> , 2017 , 65, 25-48	1.9	11
51	Equilibrium and kinetic studies of azo dye (Basic Red 18) adsorption onto montmorillonite: Numerical simulation and laboratory experiments. <i>Korean Journal of Chemical Engineering</i> , 2017 , 34, 2265-2274	2.8	3
50	ODM: an analytical solution-based tool for reacting oxygen diffusion modelling in mine spoils. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	1
49	Simulation of macerals effects on methane emission during gas drainage in coal mines. <i>Fuel</i> , 2017 , 210, 659-665	7.1	17
48	Geochemistry of rare earth elements in a neutral mine drainage environment, Anjir Tangeh, northern Iran. <i>International Journal of Coal Geology</i> , 2017 , 183, 120-135	5.5	8
47	Spatial modelling of hazardous elements at waste dumps using geostatistical approach: a case study Sarcheshmeh copper mine, Iran. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	6
46	Spectroscopic-based assessment of the content and geochemical behaviour of arsenic in a highly heterogeneous sulphide-rich mine waste dump. <i>Environmental Earth Sciences</i> , 2017 , 76, 1	2.9	9
45	Numerical modeling of gas flow in coal pores for methane drainage. <i>Journal of Sustainable Mining</i> , 2016 , 15, 95-99	3.5	4
44	Estimation of Curie point depths and heat flow from Ardebil province, Iran, using aeromagnetic data. <i>Arabian Journal of Geosciences</i> , 2016 , 9, 1	1.8	14
43	Mapping the flow pathways and contaminants transportation around a coal washing plant using the VLF-EM, Geo-electrical and IP techniques: A case study, NE Iran. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	10
42	Application of artificial neural network coupled with genetic algorithm and simulated annealing to solve groundwater inflow problem to an advancing open pit mine. <i>Journal of Hydrology</i> , 2016 , 536, 471-484	6.6	44
41	GEOCHEMISTRY AND QUALITY ASSESSMENT OF SURFACE WATER IN AN ACTIVE COAL WASHING PLANT OF NORTHERN IRAN. <i>Environmental Engineering and Management Journal</i> , 2016 , 15, 741-754	0.6	3
40	Predicting pyrite oxidation and multi-component reactive transport processes from an abandoned coal waste pile by comparing 2D numerical modeling and 3D geo-electrical inversion. <i>International Journal of Coal Geology</i> , 2016 , 164, 13-24	5.5	9

39	Detecting the Source of Contaminant Zones Down-Gradient of the Alborz Sharghi Coal Washing Plant Using Geo-electrical Methods, Northeastern Iran. <i>Mine Water and the Environment</i> , 2016 , 35, 381-388	3.4	2
38	Environmental Geochemistry and Acid Mine Drainage Evaluation of an Abandoned Coal Waste Pile at the Alborz-Sharghi Coal Washing Plant, NE Iran. <i>Natural Resources Research</i> , 2016 , 25, 347-363	4.9	7
37	A model of long-term oxidation and leaching processes in pyritic coal cleaning wastes. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	1
36	Prediction of pyrite oxidation in a coal washing waste pile using a hybrid method, coupling artificial neural networks and simulated annealing (ANN/SA). <i>Journal of Cleaner Production</i> , 2016 , 137, 1129-1137	10.3	11
35	The speciation of cobalt and nickel at mine waste dump using improved correlation analysis: a case study of Sarcheshmeh copper mine. <i>Environment, Development and Sustainability</i> , 2015 , 17, 1065-1084	4.5	3
34	Hydrochemical characterisation of water quality in the Sarcheshmeh copper complex, SE Iran. <i>Environmental Earth Sciences</i> , 2015 , 74, 3171-3190	2.9	11
33	CFD Simulation of Rheological Model Effect on Cuttings Transport. <i>Journal of Dispersion Science and Technology</i> , 2015 , 36, 402-410	1.5	24
32	Investigating the origin and geochemical behaviour of toxic elements within the waste dumps using statistical analyses: a case study at waste dumps of Sarcheshmeh copper mine, SE of Iran. <i>Environmental Earth Sciences</i> , 2015 , 73, 1555-1572	2.9	12
31	Empirical model for bio-extraction of copper from low grade ore using response surface methodology. <i>Transactions of Nonferrous Metals Society of China</i> , 2015 , 25, 4126-4143	3.3	6
30	Cadmium removal from aqueous solutions by pumice and nano-pumice. <i>Korean Journal of Chemical Engineering</i> , 2015 , 32, 88-96	2.8	30
29	Simulation of cuttings transport with foam in deviated wellbores using computational fluid dynamics. <i>Journal of Petroleum Exploration and Production</i> , 2014 , 4, 263-273	2.2	17
28	FeCl ₂ /FeCl ₃ Perlite Nanoparticles as a Novel Magnetic Material for Adsorption of Green Malachite Dye. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 3383-3392		11
27	A Three-Dimensional Multi-Body Inversion Process of Gravity Fields of the Gheshm Sedimentary Basin. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 5603-5614		0
26	Numerical modelling of the groundwater inflow to an advancing open pit mine: Kolahdarvazeh pit, Central Iran. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 8573-85	3.1	14
25	Integrated Time-Lapse Geoelectrical-Geochemical Investigation at a Reactive Coal Washing Waste Pile in Northeastern Iran. <i>Mine Water and the Environment</i> , 2014 , 33, 256-265	2.4	9
24	A statistical model to relate pyrite oxidation and oxygen transport within a coal waste pile: case study, Alborz Sharghi, northeast of Iran. <i>Environmental Earth Sciences</i> , 2014 , 71, 4693-4702	2.9	11
23	A Numerical Multi-Component Reactive Model for Pyrite Oxidation and Pollutant Transportation in a Pyritic, Carbonate-Rich Coal Waste Pile in Northern Iran. <i>Mine Water and the Environment</i> , 2014 , 33, 121-132	2.4	10
22	ACID MINE DRAINAGE TREATMENT BY PERLITE NANOMINERAL, BATCH AND CONTINUOUS SYSTEMS. <i>Archives of Mining Sciences</i> , 2014 , 59, 107-122		2

21	Characterisation of the Sarcheshmeh copper mine tailings, Kerman province, southeast of Iran. <i>Environmental Earth Sciences</i> , 2014 , 71, 2267-2291	2.9	19
20	Prediction of Pyrite Oxidation in a Coal Washing Waste Pile Applying Artificial Neural Networks (ANNs) and Adaptive Neuro-fuzzy Inference Systems (ANFIS). <i>Mine Water and the Environment</i> , 2014 , 33, 146-156	2.4	8
19	Two-dimensional numerical finite volume modeling of processes controlling distribution and natural attenuation of BTX in the saturated zone of a simulated semi-confined aquifer. <i>Arabian Journal of Geosciences</i> , 2013 , 6, 1933-1944	1.8	5
18	R-mod factor analysis, a popular multivariate statistical technique to evaluate water quality in Khaf-Sangan basin, Mashhad, Northeast of Iran. <i>Arabian Journal of Geosciences</i> , 2013 , 6, 893-900	1.8	11
17	Geochemical and Mineralogical Characterization of a Pyritic Waste Pile at the Anjir Tangeh Coal Washing Plant, Zirab, Northern Iran. <i>Mine Water and the Environment</i> , 2013 , 32, 84-96	2.4	28
16	Application of Image Processing for Modelling Pyrite Oxidation in a Coal Washing Waste Pile. <i>Environmental Modeling and Assessment</i> , 2013 , 18, 365-376	2	2
15	Prediction of the Groundwater Rebound Process in a Backfilled Open Cut Mine Using an Artificial Neural Network. <i>Mine Water and the Environment</i> , 2013 , 32, 251-257	2.4	7
14	Investigating the source of contaminated plumes downstream of the Alborz Sharghi coal washing plant using EM34 conductivity data, VLF-EM and DC-resistivity geophysical methods. <i>Exploration Geophysics</i> , 2013 , 44, 16-24	1	7
13	The weight of interaction of mining activities: groundwater in environmental impact assessment using fuzzy analytical hierarchy process (FAHP). <i>Environmental Earth Sciences</i> , 2013 , 68, 2313-2324	2.9	47
12	Biodegradation of phenol from a synthetic aqueous system using acclimatized activated sludge. <i>Arabian Journal of Geosciences</i> , 2013 , 6, 3847-3852	1.8	11
11	Application of artificial neural networks to predict pyrite oxidation in a coal washing refuse pile. <i>Fuel</i> , 2013 , 104, 163-169	7.1	18
10	Classification and identification of hydrocarbon reservoir lithofacies and their heterogeneity using seismic attributes, logs data and artificial neural networks. <i>Journal of Petroleum Science and Engineering</i> , 2012 , 82-83, 151-165	4.4	71
9	Optimal determination of rheological parameters for herschel-bulkley drilling fluids using genetic algorithms (GAs) 2012 , 24, 163-170		26
8	Neuro-fuzzy modeling based genetic algorithms for identification of geochemical anomalies in mining geochemistry. <i>Applied Geochemistry</i> , 2012 , 27, 663-676	3.5	29
7	A Computational Fluid Dynamic Model for Prediction of Organic Dyes Adsorption from Aqueous Solutions. <i>Environmental Modeling and Assessment</i> , 2012 , 17, 505-513	2	2
6	Geochemical characterisation of pyrite oxidation and environmental problems related to release and transport of metals from a coal washing low-grade waste dump, Shahrood, northeast Iran. <i>Environmental Monitoring and Assessment</i> , 2011 , 183, 41-55	3.1	22
5	Adsorption of Direct Red 80 dye from aqueous solution onto almond shells: effect of pH, initial concentration and shell type. <i>Journal of Hazardous Materials</i> , 2008 , 151, 730-7	12.8	163
4	Diatomite-supported manganese Schiff base: An efficient catalyst for oxidation of hydrocarbons. <i>Applied Catalysis A: General</i> , 2008 , 345, 97-103	5.1	61

3	Numerical modelling and laboratory studies on the removal of Direct Red 23 and Direct Red 80 dyes from textile effluents using orange peel, a low-cost adsorbent. <i>Dyes and Pigments</i> , 2007 , 73, 178-185	4.6	100
2	Optimizing Operational Parameters of Electrokinetic Technique Assisted by a Permeable Reactive Barrier for Remediation of Nitrate-Contaminated Soil. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , 1	1.1	1
1	Electrokinetic Studies of Mine Tailings Considering Dewatering and Mass Transport at the Miduk Copper Mine, SE Iran. <i>Mine Water and the Environment</i> , 1	2.4	