

# Faramarz Doulati Ardejani

## List of Publications by Citations

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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	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> , <b>2008</b> , 151, 730-7	12.8	163
73	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> , <b>2007</b> , 73, 178-185	4.6	100
72	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> , <b>2012</b> , 82-83, 151-165	4.4	71
71	Diatomite-supported manganese Schiff base: An efficient catalyst for oxidation of hydrocarbons. <i>Applied Catalysis A: General</i> , <b>2008</b> , 345, 97-103	5.1	61
70	Monitoring soil lead and zinc contents via combination of spectroscopy with extreme learning machine and other data mining methods. <i>Geoderma</i> , <b>2018</b> , 318, 29-41	6.7	60
69	The weight of interaction of mining activities: groundwater in environmental impact assessment using fuzzy analytical hierarchy process (FAHP). <i>Environmental Earth Sciences</i> , <b>2013</b> , 68, 2313-2324	2.9	47
68	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> , <b>2016</b> , 536, 471-484	6	44
67	Cadmium removal from aqueous solutions by pumice and nano-pumice. <i>Korean Journal of Chemical Engineering</i> , <b>2015</b> , 32, 88-96	2.8	30
66	Neuro-fuzzy modeling based genetic algorithms for identification of geochemical anomalies in mining geochemistry. <i>Applied Geochemistry</i> , <b>2012</b> , 27, 663-676	3.5	29
65	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> , <b>2013</b> , 32, 84-96	2.4	28
64	Optimal determination of rheological parameters for herschel-bulkley drilling fluids using genetic algorithms (GAs) <b>2012</b> , 24, 163-170		26
63	CFD Simulation of Rheological Model Effect on Cuttings Transport. <i>Journal of Dispersion Science and Technology</i> , <b>2015</b> , 36, 402-410	1.5	24
62	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> , <b>2011</b> , 183, 41-55	3.1	22
61	Characterisation of the Sarcheshmeh copper mine tailings, Kerman province, southeast of Iran. <i>Environmental Earth Sciences</i> , <b>2014</b> , 71, 2267-2291	2.9	19
60	Potential of Vetiver grass for the phytoremediation of a real multi-contaminated soil, assisted by electrokinetic. <i>Chemosphere</i> , <b>2020</b> , 246, 125802	8.4	19
59	Application of artificial neural networks to predict pyrite oxidation in a coal washing refuse pile. <i>Fuel</i> , <b>2013</b> , 104, 163-169	7.1	18
58	Simulation of macerals effects on methane emission during gas drainage in coal mines. <i>Fuel</i> , <b>2017</b> , 210, 659-665	7.1	17

57	Simulation of cuttings transport with foam in deviated wellbores using computational fluid dynamics. <i>Journal of Petroleum Exploration and Production</i> , <b>2014</b> , 4, 263-273	2.2	17
56	Estimation of Curie point depths and heat flow from Ardebil province, Iran, using aeromagnetic data. <i>Arabian Journal of Geosciences</i> , <b>2016</b> , 9, 1	1.8	14
55	Numerical modelling of the groundwater inflow to an advancing open pit mine: Kolahdarvazeh pit, Central Iran. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 8573-85	3.1	14
54	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> , <b>2020</b> , 10, 100284	6	13
53	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> , <b>2015</b> , 73, 1555-1572	2.9	12
52	A three-dimensional numerical model to simulate Iranian NW Sabalan geothermal system. <i>Geothermics</i> , <b>2019</b> , 77, 42-61	4.3	12
51	Geostatistical seismic inversion for non-stationary patterns using direct sequential simulation and co-simulation. <i>Geophysical Prospecting</i> , <b>2017</b> , 65, 25-48	1.9	11
50	Hydrochemical characterisation of water quality in the Sarcheshmeh copper complex, SE Iran. <i>Environmental Earth Sciences</i> , <b>2015</b> , 74, 3171-3190	2.9	11
49	FeCl <sub>2</sub> /FeCl <sub>3</sub> Perlite Nanoparticles as a Novel Magnetic Material for Adsorption of Green Malachite Dye. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 3383-3392		11
48	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> , <b>2014</b> , 71, 4693-4702	2.9	11
47	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> , <b>2013</b> , 6, 893-900	1.8	11
46	Biodegradation of phenol from a synthetic aqueous system using acclimatized activated sludge. <i>Arabian Journal of Geosciences</i> , <b>2013</b> , 6, 3847-3852	1.8	11
45	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> , <b>2016</b> , 137, 1129-1137	10.3	11
44	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> , <b>2016</b> , 75, 1	2.9	10
43	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> , <b>2014</b> , 33, 121-132	2.4	10
42	Integrated Time-Lapse Geoelectrical-Geochemical Investigation at a Reactive Coal Washing Waste Pile in Northeastern Iran. <i>Mine Water and the Environment</i> , <b>2014</b> , 33, 256-265	2.4	9
41	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> , <b>2017</b> , 76, 1	2.9	9
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> , <b>2016</b> , 164, 13-24	5.5	9

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| 39 | Geochemistry of rare earth elements in a neutral mine drainage environment, Anjir Tangeh, northern Iran. <i>International Journal of Coal Geology</i> , <b>2017</b> , 183, 120-135   | 5.5 | 8 |
| 38 | 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> , <b>2014</b> , 33, 146-156                         | 2.4 | 8 |
| 37 | 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> , <b>2019</b> , 198, 54-70  | 3.8 | 8 |
| 36 | Locating suitable sites for construction of subsurface dams in semiarid region of Iran: using modified ELECTRE III. <i>Sustainable Water Resources Management</i> , <b>2020</b> , 6, 1   | 1.9 | 7 |
| 35 | An Improved 3D Joint Inversion Method of Potential Field Data Using Cross-Gradient Constraint and LSQR Method. <i>Pure and Applied Geophysics</i> , <b>2018</b> , 175, 4389-4409   | 2.2 | 7 |
| 34 | Prediction of the Groundwater Rebound Process in a Backfilled Open Cut Mine Using an Artificial Neural Network. <i>Mine Water and the Environment</i> , <b>2013</b> , 32, 251-257  | 2.4 | 7 |
| 33 | 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> , <b>2013</b> , 44, 16-24             | 1   | 7 |
| 32 | 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> , <b>2016</b> , 25, 347-363  | 4.9 | 7 |
| 31 | Application of data envelopment analysis in environmental impact assessment of a coal washing plant: A new sustainable approach. <i>Environmental Impact Assessment Review</i> , <b>2020</b> , 83, 106389  | 5.3 | 6 |
| 30 | Spatial modelling of hazardous elements at waste dumps using geostatistical approach: a case study Sarcheshmeh copper mine, Iran. <i>Environmental Earth Sciences</i> , <b>2017</b> , 76, 1  | 2.9 | 6 |
| 29 | Empirical model for bio-extraction of copper from low grade ore using response surface methodology. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2015</b> , 25, 4126-4143  | 3.3 | 6 |
| 28 | 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> , <b>2019</b> , 27, 1943-1955                     | 3.2 | 5 |
| 27 | 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> , <b>2013</b> , 6, 1933-1944 | 1.8 | 5 |
| 26 | Numerical modeling of gas flow in coal pores for methane drainage. <i>Journal of Sustainable Mining</i> , <b>2016</b> , 15, 95-99  | 3.5 | 4 |
| 25 | 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> , <b>2020</b> , 22, 6799-6830            | 4.5 | 4 |
| 24 | An unsaturated three-dimensional model of fluid flow and heat transfer in NW Sabalan geothermal reservoir. <i>Geothermics</i> , <b>2021</b> , 89, 101966   | 4.3 | 4 |
| 23 | Geomechanical model and wellbore stability analysis utilizing acoustic impedance and reflection coefficient in a carbonate reservoir. <i>Journal of Petroleum Exploration and Production</i> , <b>2021</b> , 11, 3935-3961                           | 3.2 | 4 |
| 22 | 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> , <b>2017</b> , 34, 2265-2274                              | 2.8 | 3 |

21	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> , <b>2015</b> , 17, 1065-1084	4.5	3
20	Prediction of copper content in waste dump of Sarcheshmeh copper mine using visible and near-infrared reflectance spectroscopy. <i>Environmental Earth Sciences</i> , <b>2020</b> , 79, 1	2.9	3
19	GEOCHEMISTRY AND QUALITY ASSESSMENT OF SURFACE WATER IN AN ACTIVE COAL WASHING PLANT OF NORTHERN IRAN. <i>Environmental Engineering and Management Journal</i> , <b>2016</b> , 15, 741-754	0.6	3
18	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> , <b>2018</b> , 186, 77-93	3.8	3
17	CHDS: conflict handling in direct sampling for stochastic simulation of spatial variables. <i>Stochastic Environmental Research and Risk Assessment</i> , <b>2020</b> , 34, 825-847	3.5	2
16	Application of Image Processing for Modelling Pyrite Oxidation in a Coal Washing Waste Pile. <i>Environmental Modeling and Assessment</i> , <b>2013</b> , 18, 365-376	2	2
15	ACID MINE DRAINAGE TREATMENT BY PERLITE NANOMINERAL, BATCH AND CONTINUOUS SYSTEMS. <i>Archives of Mining Sciences</i> , <b>2014</b> , 59, 107-122		2
14	A Computational Fluid Dynamic Model for Prediction of Organic Dyes Adsorption from Aqueous Solutions. <i>Environmental Modeling and Assessment</i> , <b>2012</b> , 17, 505-513	2	2
13	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> , <b>2020</b> , 79, 1	2.9	2
12	Satellite Imagery for Monitoring and Mapping Soil Chromium Pollution in a Mine Waste Dump. <i>Remote Sensing</i> , <b>2021</b> , 13, 1277	5	2
11	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> , <b>2016</b> , 35, 381-388	2.4	2
10	Application of Geo-electrical Tomography in Coupled Hydro-mechanical-Chemical Investigations in Heap Leaching. <i>Mine Water and the Environment</i> , <b>2019</b> , 38, 197-212	2.4	2
9	Novel cyanide electro-biodegradation using in aqueous solution. <i>Journal of Environmental Health Science &amp; Engineering</i> , <b>2018</b> , 16, 99-108	2.9	2
8	ODM: an analytical solution-based tool for reacting oxygen diffusion modelling in mine spoils. <i>Environmental Earth Sciences</i> , <b>2017</b> , 76, 1	2.9	1
7	Mechanical-Electrical dewatering (EDW) of mine Tailings: Influence of voltage level on water recovery and moisture reduction. <i>Minerals Engineering</i> , <b>2022</b> , 175, 107303	4.9	1
6	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
5	Coupled multi-criteria decision-making method: A new approach for environmental impact assessment of industrial companies. <i>Environmental Progress and Sustainable Energy</i> , <b>2020</b> , 39, e13523	2.5	1
4	A model of long-term oxidation and leaching processes in pyritic coal cleaning wastes. <i>Environmental Earth Sciences</i> , <b>2016</b> , 75, 1	2.9	1

- 3 A Three-Dimensional Multi-Body Inversion Process of Gravity Fields of the Ghashm Sedimentary Basin. *Arabian Journal for Science and Engineering*, **2014**, 39, 5603-5614 ○
- 2 The occurrence of newly formed minerals in acidic environment and dry-arid climate, case study: low-grade dump of Miduk copper mine. *Iranian Journal of Crystallography and Mineralogy*, **2020**, 28, 159-170
- 1 Electrokinetic Studies of Mine Tailings Considering Dewatering and Mass Transport at the Miduk Copper Mine, SE Iran. *Mine Water and the Environment*, 1 2.4