

Seiyed Mossa Hosseini

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.

39 papers	747 citations	16 h-index	26 g-index
42 ext. papers	956 ext. citations	5.5 avg, IF	4.93 L-index

#	Paper	IF	Citations
39	Nitrate reduction by nano-Fe/Cu particles in packed column. <i>Desalination</i> , 2011 , 276, 214-221	10.3	125
38	Transport and retention of high concentrated nano-Fe/Cu particles through highly flow-rated packed sand column. <i>Water Research</i> , 2013 , 47, 326-38	12.5	66
37	Comparison of Groundwater Level Estimation Using Neuro-fuzzy and Ordinary Kriging. <i>Environmental Modeling and Assessment</i> , 2009 , 14, 729-737	2	57
36	Engineering nanomaterials for water and wastewater treatment: review of classifications, properties and applications. <i>New Journal of Chemistry</i> , 2019 , 43, 7902-7927	3.6	49
35	Integrating Support Vector Regression and a geomorphologic Artificial Neural Network for daily rainfall-runoff modeling. <i>Applied Soft Computing Journal</i> , 2016 , 38, 329-345	7.5	47
34	Vulnerability mapping of coastal aquifers to seawater intrusion: Review, development and application. <i>Journal of Hydrology</i> , 2019 , 570, 555-573	6	41
33	Development of reservoir operation policies considering variable agricultural water demands. <i>Expert Systems With Applications</i> , 2009 , 36, 4980-4987	7.8	26
32	Large total area membrane of suspended single layer graphene for water desalination. <i>Desalination</i> , 2019 , 451, 160-171	10.3	25
31	Integrating NZVI and carbon substrates in a non-pumping reactive wells array for the remediation of a nitrate contaminated aquifer. <i>Journal of Contaminant Hydrology</i> , 2015 , 179, 182-95	3.9	24
30	Assessment of sustainable groundwater resources management using integrated environmental index: Case studies across Iran. <i>Science of the Total Environment</i> , 2019 , 676, 792-810	10.2	22
29	Comparison of spatial interpolation methods for estimating heavy metals in sediments of Caspian Sea. <i>Expert Systems With Applications</i> , 2011 , 38, 1632-1649	7.8	22
28	Transport of CMC-Stabilized nZVI in Saturated Sand Column: the Effect of Particle Concentration and Soil Grain Size. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	22
27	Non-pumping reactive wells filled with mixing nano and micro zero-valent iron for nitrate removal from groundwater: Vertical, horizontal, and slanted wells. <i>Journal of Contaminant Hydrology</i> , 2018 , 210, 50-64	3.9	18
26	Developing a fuzzy neural network-based support vector regression (FNN-SVR) for regionalizing nitrate concentration in groundwater. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 3685-99	3.1	17
25	Impacts of Woody Biochar Particle Size on Porosity and Hydraulic Conductivity of Biochar-Soil Mixtures: An Incubation Study. <i>Communications in Soil Science and Plant Analysis</i> , 2017 , 48, 1710-1718	1.5	16
24	Fuzzy vulnerability mapping of urban groundwater systems to nitrate contamination. <i>Environmental Modelling and Software</i> , 2017 , 96, 146-157	5.2	16
23	Key factors affecting graphene oxide transport in saturated porous media. <i>Science of the Total Environment</i> , 2020 , 698, 134224	10.2	16

22	Spring hydrograph simulation of karstic aquifers: Impacts of variable recharge area, intermediate storage and memory effects. <i>Journal of Hydrology</i> , 2017 , 552, 225-240	6	15
21	Land subsidence: A global challenge. <i>Science of the Total Environment</i> , 2021 , 778, 146193	10.2	15
20	Influence of river cross-section data resolution on flood inundation modeling: Case study of Kashkan river basin in western Iran. <i>Journal of Hydrology</i> , 2020 , 584, 124743	6	14
19	Interaction of lake-groundwater levels using cross-correlation analysis: A case study of Lake Urmia Basin, Iran. <i>Science of the Total Environment</i> , 2020 , 729, 138822	10.2	12
18	Development of a Direct Geomorphologic IUH Model for Daily Runoff Estimation in Ungauged Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016 , 21, 05016008	1.8	12
17	Normalized difference vegetation index as the dominant predicting factor of groundwater recharge in phreatic aquifers: case studies across Iran. <i>Scientific Reports</i> , 2020 , 10, 17473	4.9	12
16	Sensitivity and fuzzy uncertainty analyses in the determination of SCS-CN parameters from rainfall-runoff data. <i>Hydrological Sciences Journal</i> , 2018 , 63, 457-473	3.5	9
15	Numerical and Meta-Modeling of Nitrate Transport Reduced by Nano-Fe/Cu Particles in Packed Sand Column. <i>Transport in Porous Media</i> , 2012 , 94, 149-174	3.1	9
14	Lake Urmia restoration success story: A natural trend or a planned remedy?. <i>Journal of Great Lakes Research</i> , 2021 , 47, 955-955	3	9
13	Linkage of geographically weighted regression with spatial cluster analyses for regionalization of flood peak discharges drivers: Case studies across Iran. <i>Journal of Cleaner Production</i> , 2021 , 310, 127526	10.3	5
12	Conceptualization of Karstic Aquifer with Multiple Outlets Using a Dual Porosity Model. <i>Ground Water</i> , 2017 , 55, 558-564	2.4	4
11	Engineering Water and Solute Dynamics and Maximal Use of CNT Surface Area for Efficient Water Desalination. <i>ACS Omega</i> , 2019 , 4, 6826-6847	3.9	4
10	Integrated impacts of vegetation and soil type on slope stability: A case study of Kheyroud Forest, Iran. <i>Ecological Modelling</i> , 2021 , 446, 109498	3	4
9	Representative pumping wells network to estimate groundwater withdrawal from aquifers: Lessons from a developing country, Iran. <i>Journal of Hydrology</i> , 2019 , 578, 124090	6	3
8	Monthly karstic spring flow forecasting using a sequential gaussian simulation technique. <i>Environmental Earth Sciences</i> , 2014 , 72, 3531-3548	2.9	3
7	Participatory approach in Aquifer Storage and Recovery management in Arid zones, does it work?. <i>Groundwater for Sustainable Development</i> , 2020 , 10, 100368	6	2
6	Density-based global sensitivity analysis of sheet-flow travel time: Kinematic wave-based formulations. <i>Journal of Hydrology</i> , 2018 , 559, 556-568	6	2
5	Comparative Assessment of Injection Strategies for Highly Concentrated Nano Fe/Cu Particles into Sand Columns. <i>Journal of Environmental Engineering, ASCE</i> , 2015 , 141, 04014077	2	1

4	Graphitic carbon nitride-based composites for photocatalytic abatement of emerging pollutants 2022 , 175-214		1
3	A multifaceted quantitative index for sustainability assessment of groundwater management: application for aquifers around Iran. <i>Water International</i> ,1-23	2.4	o
2	Effect of DEM resolution in flood modeling: a case study of Gorganrood River, Northeastern Iran. <i>Natural Hazards</i> ,1	3	o
1	Quantifying lake-aquifer water exchange: the case of Lake Urmia, Iran. <i>Hydrological Sciences Journal</i> ,1-16	3.5	o