

# Alireza Hajian

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

154  
citations

1307594

7  
h-index

1199594

12  
g-index

17  
all docs

17  
docs citations

17  
times ranked

161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of material removal rate and surface roughness in wire electrical discharge machining process for cementation alloy steel using artificial neural network. International Journal of Advanced Manufacturing Technology, 2016, 82, 549-557.	3.0	64
2	Application of Soft Computing and Intelligent Methods in Geophysics. Springer Geophysics, 2018, , .	0.9	13
3	2D inverse modeling of residual gravity anomalies from Simple geometric shapes using Modular Feed-forward Neural Network. Annals of Geophysics, 2018, 61, .	1.0	12
4	Simultaneous estimation of shape factor and depth of subsurface cavities from residual gravity anomalies using feed-forward back-propagation neural networks. Acta Geophysica, 2012, 60, 1043-1075.	2.0	11
5	Random noise attenuation by Wiener-ANFIS filtering. Journal of Applied Geophysics, 2018, 159, 453-459.	2.1	9
6	Depth estimation of cavities from microgravity data using a new approach: the local linear model tree (LOLIMOT). Near Surface Geophysics, 2012, 10, 221-234.	1.2	8
7	Classification of Mt Etna (Italy) Volcanic Activity by Machine Learning Approaches. Annals of Geophysics, 2019, 61, .	1.0	8
8	Robust Earthquake Cluster Analysis Based on K-Nearest Neighbor Search. Pure and Applied Geophysics, 2020, 177, 5661-5671.	1.9	5
9	Pore Pressure Prediction and Its Relationship with Rock Strength Parameters and Weight on Bit in Carbonate Reservoirs (A Case Study, South Pars Gas Field). Arabian Journal for Science and Engineering, 2021, 46, 6939-6948.	3.0	5
10	Robust outlier detection in geo-spatial data based on LOLIMOT and KNN search. Earth Science Informatics, 2021, 14, 1065-1072.	3.2	4
11	How shadows shape our impression of rough surfaces. Journal of Applied Physics, 2014, 116, .	2.5	3
12	Multivariable Modified Teaching Learning Based Optimization (MM-TLBO) Algorithm for Inverse Modeling of Residual Gravity Anomaly Generated by Simple Geometric Shapes. Journal of Environmental and Engineering Geophysics, 2020, 25, 463-476.	0.5	3
13	Prior Applications of Neural Networks in Geophysics. Springer Geophysics, 2018, , 71-198.	0.9	2
14	2-D gravity inverse modelling of anticlinal structure using improved particle swarm optimization (IPSO). Arabian Journal of Geosciences, 2021, 14, 1.	1.3	2
15	ESTIMATION OF SUBSURFACE QANATS DEPTH BY MULTI LAYER PERCEPTRON NEURAL NETWORK VIA MICROGRAVITY DATA. , 2010, , 247-256.		0