

Nassir Al Arifi

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.

65
papers

913
citations

19
h-index

25
g-index

68
ext. papers

1,125
ext. citations

3.6
avg, IF

4.42
L-index

#	Paper	IF	Citations
65	A pragmatic approach to study the groundwater quality suitability for domestic and agricultural usage, Saq aquifer, northwest of Saudi Arabia. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 4653-4657	3.1	46
64	Development of surfactant based electrochemical sensor for the trace level detection of mercury. <i>Electrochimica Acta</i> , 2016 , 190, 1007-1014	6.7	37
63	Geothermal energy potential of southwestern of Saudi Arabia "exploration and possible power generation": A case study at Al Khouba area Jizan. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 30, 771-789	16.2	35
62	Three different types of plumbing system beneath the neighboring active volcanoes of Tolbachik, Bezymianny, and Klyuchevskoy in Kamchatka. <i>Journal of Geophysical Research: Solid Earth</i> , 2017 , 122, 3852-3874	3.6	32
61	The feeder system of the Toba supervolcano from the slab to the shallow reservoir. <i>Nature Communications</i> , 2016 , 7, 12228	17.4	32
60	Breathing of the Nevado del Ruiz volcano reservoir, Colombia, inferred from repeated seismic tomography. <i>Scientific Reports</i> , 2017 , 7, 46094	4.9	31
59	Groundwater Characteristics and Pollution Assessment Using Integrated Hydrochemical Investigations GIS and Multivariate Geostatistical Techniques in Arid Areas. <i>Water Resources Management</i> , 2015 , 29, 5593-5612	3.7	31
58	Correlation of densities with shear wave velocities and SPTNvalues. <i>Journal of Geophysics and Engineering</i> , 2016 , 13, 320-341	1.3	31
57	Hydrogeological vulnerability and pollution risk mapping of the Saq and overlying aquifers using the DRASTIC model and GIS techniques, NW Saudi Arabia. <i>Environmental Earth Sciences</i> , 2015 , 74, 1303-1318	2.9	30
56	Effective elastic thickness of the Arabian plate: Weak shield versus strong platform. <i>Geophysical Research Letters</i> , 2015 , 42, 3298-3304	4.9	30
55	3D density model of the upper mantle of Asia based on inversion of gravity and seismic tomography data. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 4457-4477	3.6	28
54	Geothermal power potential at the western coastal part of Saudi Arabia. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 26, 668-684	16.2	27
53	Isostatic Model and Isostatic Gravity Anomalies of the Arabian Plate and Surroundings. <i>Pure and Applied Geophysics</i> , 2016 , 173, 1211-1221	2.2	24
52	Structural cause of a missed eruption in the Harrat Lunayyir basaltic field (Saudi Arabia) in 2009. <i>Geology</i> , 2015 , 43, 395-398	5	22
51	Three-dimensional density model of the upper mantle in the Middle East: Interaction of diverse tectonic processes. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 5349-5364	3.6	22
50	Evidence for anomalous mantle upwelling beneath the Arabian Platform from travel time tomography inversion. <i>Tectonophysics</i> , 2016 , 667, 176-188	3.1	20
49	Anisotropic tomography of Hokkaido reveals delamination-induced flow above a subducting slab. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 3219-3239	3.6	19

48	Maximum magnitude estimation considering the regional rupture character. <i>Journal of Seismology</i> , 2015 , 19, 695-719	1.5	19
47	Collisional Processes in the Crust of the Northern Tien Shan Inferred From Velocity and Attenuation Tomography Studies. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 1752-1769	3.6	19
46	Modeling of a liquid desiccant dehumidification system for close type greenhouse cultivation. <i>Energy</i> , 2017 , 118, 578-589	7.9	18
45	Structure of Volatile Conduits beneath Gorely Volcano (Kamchatka) Revealed by Local Earthquake Tomography. <i>Geosciences (Switzerland)</i> , 2017 , 7, 111	2.7	17
44	Groundwater contamination assessment in Al-Quwiyah area of central Saudi Arabia using transient electromagnetic and 2D electrical resistivity tomography. <i>Environmental Earth Sciences</i> , 2014 , 71, 827-835	2.9	17
43	Unrest of the Udina volcano in Kamchatka inferred from the analysis of seismicity and seismic tomography. <i>Journal of Volcanology and Geothermal Research</i> , 2019 , 379, 45-59	2.8	16
42	Seismic structure of the crust and uppermost mantle beneath Caucasus based on regional earthquake tomography. <i>Journal of Asian Earth Sciences</i> , 2016 , 119, 87-99	2.8	16
41	Evaluation of the ASL and Hawara formations using seismic- and log-derived properties, October Oil Field, Gulf of Suez, Egypt. <i>Arabian Journal of Geosciences</i> , 2011 , 4, 365-383	1.8	16
40	Structure of magma reservoirs beneath Merapi and surrounding volcanic centers of Central Java modeled from ambient noise tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 4195-4211	3.6	16
39	Tomographic Images of Magma Chambers Beneath the Avacha and Koryaksky Volcanoes in Kamchatka. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 9694-9713	3.6	15
38	pH-dependent probing of levofloxacin assimilated in surfactant mediated assemblies: Insights from photoluminescent and chromatographic measurements. <i>Journal of Molecular Liquids</i> , 2016 , 220, 26-32	6	13
37	Crustal and uppermost mantle structure beneath the continental rifting area of the Gulf of Suez from earthquake tomography. <i>Tectonophysics</i> , 2016 , 668-669, 92-104	3.1	12
36	Selection of representative shear modulus reduction and damping curves for rock, gravel and sand sites from the KiK-Net downhole array. <i>Natural Hazards</i> , 2017 , 88, 1741-1768	3	12
35	Analysis of a Solar Cooling System for Climatic Conditions of Five Different Cities of Saudi Arabia. <i>Energies</i> , 2016 , 9, 75	3.1	12
34	Region-specific deterministic and probabilistic seismic hazard analysis of Kanpur city. <i>Journal of Earth System Science</i> , 2017 , 126, 1	1.8	11
33	Physico-chemical characteristics of Jharkhand and West Bengal thermal springs along SONATA mega lineament, India. <i>Journal of Earth System Science</i> , 2015 , 124, 419-430	1.8	11
32	Seismic structure beneath the Gulf of Aqaba and adjacent areas based on the tomographic inversion of regional earthquake data. <i>Solid Earth</i> , 2016 , 7, 965-978	3.3	11
31	Diverse Continental Subduction Scenarios Along the Arabia-Eurasia Collision Zone. <i>Geophysical Research Letters</i> , 2018 , 45, 6898-6906	4.9	11

30	Three-dimensional seismic anisotropy in the crust and uppermost mantle beneath the Taiwan area revealed by passive source tomography. <i>Journal of Geophysical Research: Solid Earth</i> , 2015 , 120, 7814-7829	3.6	10
29	Probabilistic seismic hazard analysis using the logic tree approach [Patna district (India)]. <i>Natural Hazards and Earth System Sciences</i> , 2019 , 19, 2097-2115	3.9	9
28	A combined hydrochemical-statistical analysis of Saq aquifer, northwestern part of the Kingdom of Saudi Arabia. <i>Geosciences Journal</i> , 2015 , 19, 145-155	1.4	9
27	Importance of the Decompensative Correction of the Gravity Field for Study of the Upper Crust: Application to the Arabian Plate and Surroundings. <i>Pure and Applied Geophysics</i> , 2017 , 174, 349-358	2.2	9
26	Random Coupled Hilfer and Hadamard Fractional Differential Systems in Generalized Banach Spaces. <i>Mathematics</i> , 2019 , 7, 285	2.3	8
25	Application of repeated passive source travel time tomography to reveal weak velocity changes related to the 2011 Tohoku-Oki Mw 9.0 earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 4408-4426	3.6	8
24	Desalination of Seawater Using Geothermal Energy for Food and Water Security: Arab and Sub-Saharan Countries 2018 , 177-224		8
23	Fault-Associated Magma Conduits Beneath Volcā de Colima Revealed by Seismic Velocity and Attenuation Tomography Studies. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 8908-8923	3.6	7
22	Study the urban soils contamination by heavy metals for selected industrial locations in the Greater Toronto area, Canada, using multivariate statistical analysis. <i>Geologia Croatica</i> , 2015 , 68, 147-159	1.9	7
21	The potential contribution of geothermal energy to electricity supply in Saudi Arabia. <i>International Journal of Sustainable Energy</i> , 2016 , 35, 824-833	2.7	7
20	Density structure and isostasy of the lithosphere in Egypt and their relation to seismicity. <i>Solid Earth</i> , 2018 , 9, 833-846	3.3	7
19	Seismic risk assessment at the proposed site of Gemsa wind power station, southwestern coast of Gulf of Suez, Egypt. <i>Journal of the Geological Society of India</i> , 2017 , 89, 192-196	1.3	6
18	A New Approach for the Approximations of Solutions to a Common Fixed Point Problem in Metric Fixed Point Theory. <i>Journal of Function Spaces</i> , 2016 , 2016, 1-5	0.8	6
17	Lyapunov-type inequalities for a fractional p-Laplacian equation. <i>Journal of Inequalities and Applications</i> , 2016 , 2016,	2.1	6
16	pH and temperature responsive redox behavior of biologically important aniline derivatives. <i>RSC Advances</i> , 2015 , 5, 64617-64625	3.7	5
15	Strength and elastic thickness variations in the Arabian Plate: A combination of temperature, composition and strain rates of the lithosphere. <i>Tectonophysics</i> , 2018 , 746, 398-411	3.1	5
14	On the efficient acquisition and holistic analysis of Rayleigh waves: Technical aspects and two comparative case studies. <i>Soil Dynamics and Earthquake Engineering</i> , 2019 , 125, 105742	3.5	5
13	Pathways of volatile migration in the crust beneath Harrat Lunayyir (Saudi Arabia) during the unrest in 2009 revealed by attenuation tomography. <i>Journal of Volcanology and Geothermal Research</i> , 2017 , 330, 1-13	2.8	4

12	Geothermal energy for sustainable water resources management. <i>International Journal of Green Energy</i> , 2020 , 17, 1-12	3	4
11	Soil void ratio correlation with shear wave velocities and SPT N values for Indo-Gangetic basin. <i>Journal of the Geological Society of India</i> , 2017 , 89, 398-406	1.3	3
10	pH and Temperature Responsive Electrooxidation of Thiazole Derivatives and Preliminary Screening of Their Antioxidant Activity. <i>Journal of the Electrochemical Society</i> , 2016 , 163, H350-H358	3.9	3
9	Evaluation of metals that are potentially toxic to agricultural surface soils, using statistical analysis, in northwestern Saudi Arabia. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	3
8	Possible sources of hydrothermal activity and mud volcanism in southern Sakhalin inferred from local earthquake seismic tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2017 , 18, 1943-1958	3.6	3
7	Improved reservoir characterisation using fuzzy logic platform: an integrated petrophysical, seismic structural and poststack inversion study. <i>Exploration Geophysics</i> , 2017 , 48, 430-448	1	2
6	Seismic intensity map of South India for estimated future earthquakes. <i>Arabian Journal of Geosciences</i> , 2015 , 8, 9365-9371	1.8	2
5	Seismic site classification and amplification of shallow bedrock sites. <i>PLoS ONE</i> , 2018 , 13, e0208226	3.7	2
4	Geothermal energy for desalination to secure food security: case study in Djibouti. <i>Energy, Sustainability and Society</i> , 2019 , 9,	3.9	1
3	Rupture characteristics of a small-sized earthquake (MW 4.2), onshore the south Red Sea, Saudi Arabia. <i>Journal of African Earth Sciences</i> , 2019 , 151, 315-323	2.2	1
2	Geophysical constraints on a modified crust below the Rayn Anticlines, Eastern Saudi Arabia. <i>Journal of Asian Earth Sciences</i> , 2020 , 188, 104105	2.8	1
1	Water resource management using geothermal energy: Eritrea. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	1