

Abdullatif A Al-Shuhail

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3434931/publications.pdf>

Version: 2024-02-01

64
papers

624
citations

567281

15
h-index

677142

22
g-index

70
all docs

70
docs citations

70
times ranked

480
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the Total Volume of Running Water Bodies Using Geographic Information System (GIS): A Case Study of Peshawar Basin (Pakistan). Sustainability, 2022, 14, 3754.	3.2	14
2	Correction: Ahmad et al. Estimating the Total Volume of Running Water Bodies Using Geographic Information System (GIS): A Case Study of Peshawar Basin (Pakistan). Sustainability, 2022, 14, 3754. Sustainability, 2022, 14, 8750.	3.2	1
3	Common Transmission Point (CTP) Gathers: A New Domain for Amplitude Variation with Offset. Energies, 2022, 15, 4825.	3.1	0
4	Reflection and transmission of plane waves at an interface separating two poro-viscoelastic materials with continuity and elastic consistence. Geophysical Journal International, 2021, 225, 829-845.	2.4	5
5	Viscoelastic Model and Synthetic Seismic Data of Eastern Rub Al-Khali. Applied Sciences (Switzerland), 2021, 11, 1401.	2.5	3
6	Three-dimensional supervirtual seismic refraction interferometry: A case study in western Saudi Arabia. Geophysics, 2021, 86, B123-B133.	2.6	5
7	Seismic Data Interpretation and Petrophysical Analysis of Kabirwala Area Tola (01) Well, Central Indus Basin, Pakistan. Applied Sciences (Switzerland), 2021, 11, 2911.	2.5	9
8	Geological and geophysical investigations of an engineering site characterization for construction purposes in Western Saudi Arabia. Journal of Applied Geophysics, 2021, 188, 104307.	2.1	4
9	Seismic Data Interpretation and Identification of Hydrocarbon-Bearing Zones of Rajian Area, Pakistan. Minerals (Basel, Switzerland), 2021, 11, 891.	2.0	3
10	Comprehensive Geophysical Study at Wabar Crater, Rub Al-Khali Desert, Saudi Arabia. Earth and Space Science, 2021, 8, e2020EA001432.	2.6	4
11	The Geomechanical and Fault Activation Modeling during CO ₂ Injection into Deep Minjur Reservoir, Eastern Saudi Arabia. Sustainability, 2020, 12, 9800.	3.2	17
12	Effects of reservoir size and boundary conditions on pore-pressure buildup and fault reactivation during CO ₂ injection in deep geological reservoirs. Environmental Earth Sciences, 2020, 79, 1.	2.7	17
13	P-wave velocity profile at very shallow depths in sand dunes. Geophysics, 2020, 85, U129-U137.	2.6	8
14	Integrated Geological, Hydrogeological, and Geophysical Investigations of a Barchan Sand Dune in the Eastern Region of Saudi Arabia. Water (Switzerland), 2020, 12, 682.	2.7	2
15	Structure-Enhancing Filtering. Advances in Oil and Gas Exploration and Production, 2020, , 89-127.	0.2	0
16	Denoising Using Signal Model. Advances in Oil and Gas Exploration and Production, 2020, , 129-151.	0.2	0
17	Robust Filter—Dealing with Impulse Noise. Advances in Oil and Gas Exploration and Production, 2020, , 61-80.	0.2	0
18	Edge-Preserving Smoothing. Advances in Oil and Gas Exploration and Production, 2020, , 81-88.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Noise in Seismic Image. Advances in Oil and Gas Exploration and Production, 2020, , 41-50.	0.2	0
20	Introduction to this special section: Middle East. The Leading Edge, 2020, 39, 381-381.	0.7	0
21	Mitigating climate change via CO2 sequestration into Biyadh reservoir: geomechanical modeling and caprock integrity. Mitigation and Adaptation Strategies for Global Change, 2019, 24, 23-52.	2.1	24
22	Characterization of Subsurface Cavities using Gravity and Ground Penetrating Radar. Journal of Environmental and Engineering Geophysics, 2019, 24, 265-276.	0.5	5
23	First Arrival Picking of Seismic Data Based on Trace Envelope. IEEE Access, 2019, 7, 128806-128815.	4.2	7
24	Blind noise estimation and denoising filter for recovery of microquake signals. Exploration Geophysics, 2019, 50, 502-513.	1.1	1
25	KFUPM Ghawar digital viscoelastic seismic model. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	9
26	Sparse Multichannel Blind Deconvolution of Seismic Data via Spectral Projected-Gradient. IEEE Access, 2019, 7, 23740-23751.	4.2	20
27	A parametric study of machine learning techniques in petroleum reservoir permeability prediction by integrating seismic attributes and wireline data. Journal of Petroleum Science and Engineering, 2019, 176, 762-774.	4.2	49
28	Reservoir Geomechanical Modeling and Ground Uplift During CO2 Injection Into Khuff Reservoir. , 2019, , .		0
29	Analysis of Time-Depth Data in Sand Dunes from the Empty Quarter Desert of Southeastern Saudi Arabia. Arabian Journal for Science and Engineering, 2018, 43, 3769-3774.	3.0	6
30	Observation-Driven Method Based on IIR Wiener Filter for Microseismic Data Denoising. Pure and Applied Geophysics, 2018, 175, 2057-2075.	1.9	21
31	Detection and Denoising of Microseismic Events Using Time-Frequency Representation and Tensor Decomposition. IEEE Access, 2018, 6, 22993-23006.	4.2	22
32	Characterizing fluid contacts by joint inversion of seismic P-wave impedance and velocity. Journal of Petroleum Exploration and Production, 2018, 8, 117-130.	2.4	4
33	Array Processing in Microseismic Monitoring: Detection, Enhancement, and Localization of Induced Seismicity. IEEE Signal Processing Magazine, 2018, 35, 99-111.	5.6	18
34	The effect of injection well arrangement on CO ₂ injection into carbonate petroleum reservoir. International Journal of Global Warming, 2018, 14, 462.	0.5	21
35	Automatic microseismic event detection using constant false alarm rate processing in time-frequency domain. , 2018, , .		1
36	Microseismic events enhancement and detection in sensor arrays using autocorrelation-based filtering. Geophysical Prospecting, 2017, 65, 1496-1509.	1.9	16

#	ARTICLE	IF	CITATIONS
37	KFUPM-KAUST Red Sea model: Digital viscoelastic depth model and synthetic seismic data set. The Leading Edge, 2017, 36, 507-511.	0.7	4
38	Iterative interferometry-based method for picking microseismic events. Journal of Applied Geophysics, 2017, 140, 52-61.	2.1	15
39	Analysis of microseismic events during a multistage hydraulic stimulation experiment at a shale gas reservoir. Petroleum Geoscience, 2017, 23, 386-394.	1.5	8
40	Fracture detection via correlating P-wave amplitude variation with offset and azimuth analysis and well data in eastern central Saudi Arabia. Interpretation, 2017, 5, T531-T544.	1.1	1
41	3D seismic edge detection using magic squares and cubes. Interpretation, 2016, 4, T271-T280.	1.1	4
42	Automated SVD filtering of time-frequency distribution for enhancing the SNR of microseismic/microquake events. Journal of Geophysics and Engineering, 2016, 13, 964-973.	1.4	27
43	Joint Inversion of Ground-Penetrating Radar and Seismic Velocities for Porosity and Water Saturation in Shallow Sediments. Journal of Environmental and Engineering Geophysics, 2016, 21, 105-119.	0.5	8
44	Three-dimensional supervirtual seismic refraction interferometry. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	10
45	Integrating seismic and log data for improved petroleum reservoir properties estimation using non-linear feature-selection based hybrid computational intelligence models. Journal of Petroleum Science and Engineering, 2016, 145, 230-237.	4.2	40
46	Performance of seismic arrays in the presence of weathering layer variations. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	2
47	One Dimensional Wavefield Extrapolation Filter Design Via L1 Error Approximation. , 2015, , .		0
48	Improving automatic first-arrival picking by supervirtual interferometry: examples from Saudi Arabia. Arabian Journal of Geosciences, 2015, 8, 8731-8740.	1.3	7
49	Mapping and attenuation of surface waves side scattered by near-surface diffractors. Arabian Journal of Geosciences, 2014, 7, 757-771.	1.3	1
50	Characterization of Sabkha Jayb Uwayyid, eastern Saudi Arabia using seismic refraction profiling. Arabian Journal of Geosciences, 2013, 6, 845-855.	1.3	8
51	Seismic array response in the presence of a dipping shallow layer. Signal, Image and Video Processing, 2013, 7, 263-274.	2.7	2
52	Enhancement of Passive Microseismic Events Using Seismic Interferometry. Seismological Research Letters, 2013, 84, 781-784.	1.9	9
53	Estimation of velocity function parameters in unconsolidated sands using semblance velocity analysis. Arabian Journal of Geosciences, 2013, 6, 549-556.	1.3	0
54	Enhancement of first arrivals using the \tilde{l}_p -transform on energy-ratio seismic shot records. Geophysics, 2012, 77, V101-V111.	2.6	29

#	ARTICLE	IF	CITATIONS
55	Imaging subtle faults using azimuthal coherence attribute: A case study from Central Saudi Arabia. <i>Geoarabia</i> , 2012, 17, 43-54.	1.6	2
56	A new technique for first-arrival picking of refracted seismic data based on digital image segmentation. <i>Geophysics</i> , 2011, 76, V79-V89.	2.6	49
57	Processing of Seismic Reflection Data Using MATLAB®, Ç. Synthesis Lectures on Signal Processing, 2011, 5, 1-97.	0.5	37
58	Estimation of direct-arrival velocity using the linear moveout velocity analysis method with applications from eastern Saudi Arabia. <i>Journal of Geophysics and Engineering</i> , 2011, 8, 524-530.	1.4	2
59	Mapping the internal structure of sand dunes with GPR: A case history from the Jafurah sand sea of eastern Saudi Arabia. <i>The Leading Edge</i> , 2008, 27, 1446-1452.	0.7	7
60	Fracture-porosity inversion from P-wave AVOA data along 2D seismic lines: An example from the Austin Chalk of southeast Texas. <i>Geophysics</i> , 2007, 72, B1-B7.	2.6	4
61	Mapping the surface of a shallow groundwater system using GPR: A case study in eastern Saudi Arabia. <i>The Leading Edge</i> , 2006, 25, 738-740.	0.7	3
62	Using Ground-Penetrating Radar to Delineate Fractures in the Rus Formation, Dammam Dome, Eastern Saudi Arabia. <i>International Geology Review</i> , 2004, 46, 91-96.	2.1	9
63	A FORTRAN program to determine fracture principal axes from multiazimuthal seismic P-wave AVO data. <i>Computers and Geosciences</i> , 2004, 30, 313-318.	4.2	0
64	Reservoir characterization analysis in glacial reservoirs. <i>Journal of Petroleum Exploration and Production</i> , 0, , 1.	2.4	0