

# Abdullatif A Al-Shuhail

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

624  
citations

566801

15  
h-index

676716

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.	1.6	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.	1.6	1
3	Common Transmission Point (CTP) Gathers: A New Domain for Amplitude Variation with Offset. Energies, 2022, 15, 4825.	1.6	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.	1.0	5
5	Viscoelastic Model and Synthetic Seismic Data of Eastern Rub Al-Khali. Applied Sciences (Switzerland), 2021, 11, 1401.	1.3	3
6	Three-dimensional supervirtual seismic refraction interferometry: A case study in western Saudi Arabia. Geophysics, 2021, 86, B123-B133.	1.4	5
7	Seismic Data Interpretation and Petrophysical Analysis of Kabirwala Area Tola (01) Well, Central Indus Basin, Pakistan. Applied Sciences (Switzerland), 2021, 11, 2911.	1.3	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.	0.9	4
9	Seismic Data Interpretation and Identification of Hydrocarbon-Bearing Zones of Rajian Area, Pakistan. Minerals (Basel, Switzerland), 2021, 11, 891.	0.8	3
10	Comprehensive Geophysical Study at Wabar Crater, Rub Al-Khali Desert, Saudi Arabia. Earth and Space Science, 2021, 8, e2020EA001432.	1.1	4
11	The Geomechanical and Fault Activation Modeling during CO2 Injection into Deep Minjur Reservoir, Eastern Saudi Arabia. Sustainability, 2020, 12, 9800.	1.6	17
12	Effects of reservoir size and boundary conditions on pore-pressure buildup and fault reactivation during CO2 injection in deep geological reservoirs. Environmental Earth Sciences, 2020, 79, 1.	1.3	17
13	P-wave velocity profile at very shallow depths in sand dunes. Geophysics, 2020, 85, U129-U137.	1.4	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.	1.2	2
15	Structure-Enhancing Filtering. Advances in Oil and Gas Exploration and Production, 2020, , 89-127.	0.1	0
16	Denosing Using Signal Model. Advances in Oil and Gas Exploration and Production, 2020, , 129-151.	0.1	0
17	Robust Filter "Dealing with Impulse Noise. Advances in Oil and Gas Exploration and Production, 2020, , 61-80.	0.1	0
18	Edge-Preserving Smoothing. Advances in Oil and Gas Exploration and Production, 2020, , 81-88.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Noise in Seismic Image. <i>Advances in Oil and Gas Exploration and Production</i> , 2020, , 41-50.	0.1	0
20	Introduction to this special section: Middle East. <i>The Leading Edge</i> , 2020, 39, 381-381.	0.4	0
21	Mitigating climate change via CO2 sequestration into Biyadh reservoir: geomechanical modeling and caprock integrity. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2019, 24, 23-52.	1.0	24
22	Characterization of Subsurface Cavities using Gravity and Ground Penetrating Radar. <i>Journal of Environmental and Engineering Geophysics</i> , 2019, 24, 265-276.	1.0	5
23	First Arrival Picking of Seismic Data Based on Trace Envelope. <i>IEEE Access</i> , 2019, 7, 128806-128815.	2.6	7
24	Blind noise estimation and denoising filter for recovery of microquake signals. <i>Exploration Geophysics</i> , 2019, 50, 502-513.	0.5	1
25	KFUPM Ghawar digital viscoelastic seismic model. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	0.6	9
26	Sparse Multichannel Blind Deconvolution of Seismic Data via Spectral Projected-Gradient. <i>IEEE Access</i> , 2019, 7, 23740-23751.	2.6	20
27	A parametric study of machine learning techniques in petroleum reservoir permeability prediction by integrating seismic attributes and wireline data. <i>Journal of Petroleum Science and Engineering</i> , 2019, 176, 762-774.	2.1	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. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 3769-3774.	1.7	6
30	Observation-Driven Method Based on IIR Wiener Filter for Microseismic Data Denoising. <i>Pure and Applied Geophysics</i> , 2018, 175, 2057-2075.	0.8	21
31	Detection and Denoising of Microseismic Events Using Time-Frequency Representation and Tensor Decomposition. <i>IEEE Access</i> , 2018, 6, 22993-23006.	2.6	22
32	Characterizing fluid contacts by joint inversion of seismic P-wave impedance and velocity. <i>Journal of Petroleum Exploration and Production</i> , 2018, 8, 117-130.	1.2	4
33	Array Processing in Microseismic Monitoring: Detection, Enhancement, and Localization of Induced Seismicity. <i>IEEE Signal Processing Magazine</i> , 2018, 35, 99-111.	4.6	18
34	The effect of injection well arrangement on CO <sub>2</sub> injection into carbonate petroleum reservoir. <i>International Journal of Global Warming</i> , 2018, 14, 462.	0.2	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. <i>Geophysical Prospecting</i> , 2017, 65, 1496-1509.	1.0	16

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37	KFUPM-KAUST Red Sea model: Digital viscoelastic depth model and synthetic seismic data set. The Leading Edge, 2017, 36, 507-511.	0.4	4
38	Iterative interferometry-based method for picking microseismic events. Journal of Applied Geophysics, 2017, 140, 52-61.	0.9	15
39	Analysis of microseismic events during a multistage hydraulic stimulation experiment at a shale gas reservoir. Petroleum Geoscience, 2017, 23, 386-394.	0.9	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.	0.5	1
41	3D seismic edge detection using magic squares and cubes. Interpretation, 2016, 4, T271-T280.	0.5	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.	0.7	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.	1.0	8
44	Three-dimensional supervirtual seismic refraction interferometry. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	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.	2.1	40
46	Performance of seismic arrays in the presence of weathering layer variations. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	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.	0.6	7
49	Mapping and attenuation of surface waves side scattered by near-surface diffractors. Arabian Journal of Geosciences, 2014, 7, 757-771.	0.6	1
50	Characterization of Sabkha Jayb Uwayyid, eastern Saudi Arabia using seismic refraction profiling. Arabian Journal of Geosciences, 2013, 6, 845-855.	0.6	8
51	Seismic array response in the presence of a dipping shallow layer. Signal, Image and Video Processing, 2013, 7, 263-274.	1.7	2
52	Enhancement of Passive Microseismic Events Using Seismic Interferometry. Seismological Research Letters, 2013, 84, 781-784.	0.8	9
53	Estimation of velocity function parameters in unconsolidated sands using semblance velocity analysis. Arabian Journal of Geosciences, 2013, 6, 549-556.	0.6	0
54	Enhancement of first arrivals using the $\tilde{l}_p$ -transform on energy-ratio seismic shot records. Geophysics, 2012, 77, V101-V111.	1.4	29

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55	Imaging subtle faults using azimuthal coherence attribute: A case study from Central Saudi Arabia. <i>Georabia</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.	1.4	49
57	Processing of Seismic Reflection Data Using MATLAB®, c. <i>Synthesis Lectures on Signal Processing</i> , 2011, 5, 1-97.	0.3	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.	0.7	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.	0.4	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.	1.4	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.	0.4	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.	1.1	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.	2.0	0
64	Reservoir characterization analysis in glacial reservoirs. <i>Journal of Petroleum Exploration and Production</i> , 0, , 1.	1.2	0