

Perveiz Khalid

List of Publications by Year in descending order

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54
papers

589
citations

567281

15
h-index

713466

21
g-index

57
all docs

57
docs citations

57
times ranked

385
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculation of isentropic compressibility and sound velocity in two-phase fluids. <i>Fluid Phase Equilibria</i> , 2010, 291, 95-102.	2.5	43
2	An integrated petrophysical and rock physics analysis to improve reservoir characterization of Cretaceous sand intervals in Middle Indus Basin, Pakistan. <i>Journal of Geophysics and Engineering</i> , 2017, 14, 212-225.	1.4	37
3	An application of seismic attributes analysis for mapping of gas bearing sand zones in the sawan gas field, Pakistan. <i>Acta Geodaetica Et Geophysica</i> , 2016, 51, 723-744.	1.6	30
4	Cost-effective biosynthesis of silver nanoparticles using different organs of plants and their antimicrobial applications: A review. <i>Materials Technology</i> , 2018, 33, 313-320.	3.0	27
5	Evaluation of shale gas reservoirs in complex structural enclosures: A case study from Patala Formation in the Kohat-Potwar Plateau, Pakistan. <i>Journal of Petroleum Science and Engineering</i> , 2021, 198, 108225.	4.2	26
6	Application of machine learning tool to predict the porosity of clastic depositional system, Indus Basin, Pakistan. <i>Journal of Petroleum Science and Engineering</i> , 2021, 197, 107975.	4.2	26
7	A modified rock physics model for analysis of seismic signatures of low gas-saturated rocks. <i>Arabian Journal of Geosciences</i> , 2014, 7, 3281-3295.	1.3	24
8	Physio-mechanical and aggregate properties of limestones from Pakistan. <i>Acta Geodaetica Et Geophysica</i> , 2014, 49, 369-380.	1.6	24
9	Data-Driven Sequence Stratigraphy of the Cretaceous Depositional System, Punjab Platform, Pakistan. <i>Surveys in Geophysics</i> , 2014, 35, 1065-1088.	4.6	20
10	Rock physics modeling to assess the impact of spatial distribution pattern of pore fluid and clay contents on acoustic signatures of partially-saturated reservoirs. <i>Acta Geodaetica Et Geophysica</i> , 2016, 51, 1-13.	1.6	20
11	Discrimination of fizz water and gas reservoir by AVO analysis: a modified approach. <i>Acta Geodaetica Et Geophysica</i> , 2013, 48, 347-361.	1.6	19
12	AVO-derived attributes to differentiate reservoir facies from non-reservoirs facies and fluid discrimination in Penobscot area, Nova Scotia. <i>Geosciences Journal</i> , 2015, 19, 471-480.	1.2	17
13	U-Pb zircon systematics of the Mansehra Granitic Complex: implications on the early Paleozoic orogenesis in NW Himalaya of Pakistan. <i>Geosciences Journal</i> , 2016, 20, 427-447.	1.2	17
14	AVO forward modeling and attributes analysis for fluid's identification: a case study. <i>Acta Geodaetica Et Geophysica</i> , 2015, 50, 377-390.	1.6	16
15	Reservoir characterization of basal sand zone of lower Goru Formation by petrophysical studies of geophysical logs. <i>Journal of the Geological Society of India</i> , 2017, 89, 331-338.	1.1	16
16	An application of rock physics modeling to quantify the seismic response of gas hydrate-bearing sediments in Makran accretionary prism, offshore, Pakistan. <i>Geosciences Journal</i> , 2016, 20, 321-330.	1.2	15
17	Hydrogeophysical investigations for assessing the groundwater potential in part of the Peshawar basin, Pakistan. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	13
18	Mechanical properties and petrographic characteristics of Margala Hill limestone and Lockhart limestone of Rumli area, Islamabad Pakistan. <i>Acta Geodaetica Et Geophysica</i> , 2014, 49, 441-454.	1.6	12

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19	The depositional setting of the Late Quaternary sedimentary fill in southern Bannu basin, Northwest Himalayan fold and thrust belt, Pakistan. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 6587-6604.	2.7	11
20	Integrating core and wireline log data to evaluate porosity of Jurassic formations of Injra-1 and Nuryal-2 wells, Western Potwar, Pakistan. <i>Journal of the Geological Society of India</i> , 2015, 86, 553-562.	1.1	11
21	Modulus defect, velocity dispersion and attenuation in partially-saturated reservoirs of Jurassic sandstone, Indus Basin, Pakistan. <i>Studia Geophysica Et Geodaetica</i> , 2016, 60, 112-129.	0.5	11
22	DHI evaluation by combining rock physics simulation and statistical techniques for fluid identification of Cambrian-to-Cretaceous clastic reservoirs in Pakistan. <i>Acta Geophysica</i> , 2017, 65, 991-1007.	2.0	10
23	On the variation of b-value for Karachi region, Pakistan through Gumbel's extreme distribution method. <i>Acta Geodaetica Et Geophysica</i> , 2016, 51, 227-235.	1.6	8
24	Petrophysical analysis of a clastic reservoir rock: a case study of the Early Cambrian Khewra Sandstone, Potwar Basin, Pakistan. <i>Geosciences Journal</i> , 2016, 20, 27-40.	1.2	8
25	Improving Petrophysical Analysis and Rock Physics Parameters Estimation Through Statistical Analysis of Basal Sands, Lower Indus Basin, Pakistan. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 327-337.	3.0	8
26	Application of electrical resistivity inversion to delineate salt and freshwater interfaces in quaternary sediments of northwest Himalaya, Pakistan. <i>Arabian Journal of Geosciences</i> , 2018, 11, 1.	1.3	8
27	Estimating active storage of groundwater quality zones in alluvial deposits of Faisalabad area, Rechna Doab, Pakistan. <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	8
28	DEM and GIS-based hypsometric analysis to study tectonics and lithologies in southern Suleiman fold and thrust belt (Balochistan-Pakistan). <i>Arabian Journal of Geosciences</i> , 2019, 12, 1.	1.3	8
29	Sweetness analysis of Lower Goru sandstone intervals of the Cretaceous age, Sawan gas field, Pakistan. <i>Episodes</i> , 2018, 41, 235-247.	1.2	7
30	Petroleum play analysis of the Jurassic sequence, Meyal-field, Potwar basin, Pakistan. <i>Journal of the Geological Society of India</i> , 2014, 84, 727-738.	1.1	6
31	Construction material prospects of granitic and associated rocks of Mansehra area, NW Himalaya, Pakistan. <i>Acta Geodaetica Et Geophysica</i> , 2015, 50, 307-319.	1.6	6
32	Applications of variogram modeling to electrical resistivity data for the occurrence and distribution of saline groundwater in Domail Plain, northwestern Himalayan fold and thrust belt, Pakistan. <i>Journal of Mountain Science</i> , 2017, 14, 158-174.	2.0	6
33	Integrated Reservoir Characterization and Petrophysical Analysis of Cretaceous Sands in Lower Indus Basin, Pakistan. <i>Journal of the Geological Society of India</i> , 2018, 92, 465-470.	1.1	6
34	Assessment of Reservoir Rock Properties from Rock Physics Modeling and Petrophysical Analysis of Borehole Logging Data to Lessen Uncertainty in Formation Characterization in Ratana Gas Field, Northern Potwar, Pakistan. <i>Journal of the Geological Society of India</i> , 2018, 91, 736-742.	1.1	6
35	Reservoir Characterization and Multiscale Heterogeneity Analysis of Cretaceous Reservoir in Punjab Platform of Middle Indus Basin, Pakistan. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 4871-4890.	3.0	6
36	Optimizing exploration of quality groundwater through geophysical investigations in district Pakpattan, Punjab, Pakistan. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	6

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37	An application of AVO derived attributes to analyze seismic anomalies of gas hydrate bearing sediments in Makran offshore, Pakistan. <i>Acta Geodaetica Et Geophysica</i> , 2016, 51, 671-683.	1.6	5
38	Seismic stratigraphy of the Mianwali and Bannu depressions, north-western Indus foreland basin. <i>International Journal of Earth Sciences</i> , 2018, 107, 1557-1578.	1.8	5
39	Mechanical and Elastic Characterization of Shale Gas Play in Upper Indus Basin, Pakistan. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 5767-5781.	3.0	5
40	Effects on seismic properties of thermoelastic relaxation and liquid/vapor phase transition. <i>Geophysics</i> , 2011, 76, Z49-Z49.	2.6	4
41	Seismicity distribution and focal mechanism solution of major earthquakes of northern Pakistan. <i>Acta Geodaetica Et Geophysica</i> , 2016, 51, 347-357.	1.6	4
42	An Integrated Seismic Interpretation and Rock Physics Attribute Analysis for Pore Fluid Discrimination. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 191-200.	1.1	4
43	Thermoelastic relaxation and its effects on the compressibility of pore fluid and P wave velocities. <i>Arabian Journal of Geosciences</i> , 2015, 8, 6157-6167.	1.3	3
44	Effect of Kerogen and TOC on Seismic Characterization of Lower Cretaceous Shale Gas Plays in Lower Indus Basin, Pakistan. <i>Journal of the Geological Society of India</i> , 2019, 94, 319-327.	1.1	3
45	Seismic Attenuation and Velocity Dispersion to Discriminate Gas Hydrates and Free Gas Zone, Makran Offshore, Pakistan. <i>International Journal of Geosciences</i> , 2016, 07, 1020-1028.	0.6	3
46	Differentiation of Pore Fluids Using Amplitude versus Offset Attributes in Clastic Reservoirs, Middle Indus Basin, Pakistan. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 2315-2323.	1.1	2
47	An application of variogram modelling for electrical resistivity soundings to characterize depositional system and hydrogeology of Bannu Basin, Pakistan. <i>Geosciences Journal</i> , 2017, 21, 819-839.	1.2	2
48	Estimation of reservoir properties from well logs and core plugs to reduce uncertainty in formation evaluation: a case study from the Kohat-Potwar Geologic Province. <i>Episodes</i> , 2018, 41, 59-68.	1.2	1
49	Hypocenter relocation and velocity model for major earthquakes in northwest Himalaya. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	1
50	AVA-anisotropy: spreadsheets program to model the variation of P-wave reflectivity with angle in VTI, HTI, and orthorhombic media. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	1
51	Spectral decomposition application for appraisal of Miocene lowstand prograding wedge play, Indus Offshore, Pakistan: Implications for petroleum exploration. <i>Marine and Petroleum Geology</i> , 2021, 131, 105142.	3.3	1
52	Assessment of seismic hazard of roller compacted concrete dam site in Gilgit-Baltistan of northern Pakistan. <i>Earthquake Engineering and Engineering Vibration</i> , 2021, 20, 621-630.	2.3	1
53	Assessment of Seismic Hazard of the Kalam-Ashrit Dam, Swat, Pakistan Seismic hazard analysis of Kalam-Ashrit Dam, Pakistan. , 2014, , .		1
54	On seismic monitoring of CO_2 leakage from geological storages and its primary detection. <i>Acta Geodaetica Et Geophysica</i> , 2014, 49, 235-247.	1.6	0