Hakim Saibi

List of Publications by Year
in descending order

95 papers	1,192 citations	430874 18 h-index	501196 28 g-index
100 all docs	100 docs citations	100 times ranked	795 citing authors

#	ARTICLE	IF	CITATIONS
1	Retrieval of monthly maximum and minimum air temperature using MODIS aqua land surface temperature data over the United Arab Emirates. Geocarto International, 2022, 37, 2996-3013.	3.5	14
2	Influence of asphaltene structural parameters on solubility. Fuel, 2022, 311, 122559.	6.4	16
3	Gravity measurement to probe the depth of African-continental crust over a north-south profile: theory and modeling. Heliyon, 2022, 8, e08776.	3.2	0
4	Thermal structure of the African continent based on magnetic data: Future geothermal renewable energy explorations in Africa. Renewable and Sustainable Energy Reviews, 2022, 158, 112088.	16.4	16
5	Evaluation of groundwater quality and hydrochemical characteristics in the shallow aquifer of El-Oued region (Algerian Sahara). Groundwater for Sustainable Development, 2022, 17, 100747.	4.6	10
6	Basement structure investigation using 3-D forward modeling and inversion of geomagnetic data of the Zeit basin area, Gulf of Suez, Egypt. Marine and Petroleum Geology, 2022, 139, 105637.	3.3	0
7	Crustal configuration of the Naama and El Bayadh region of northwest Algeria: Inferences from gravity and magnetic analysis. Journal of African Earth Sciences, 2022, 192, 104572.	2.0	1
8	Land surface deformation monitoring in the Al-Ain arid region (UAE) using microgravity and SAR interferometry surveys. Environmental Research, 2022, 212, 113505.	7.5	5
9	Defining potential mineral exploration targets from the interpretation of aeromagnetic data in western Rwanda. Ore Geology Reviews, 2021, 128, 103927.	2.7	15
10	Nanoscale liquid hydrocarbon adsorption on clay minerals: A molecular dynamics simulation of shale oils. Chemical Engineering Journal, 2021, 420, 127578.	12.7	69
11	Mapping CAMP formations of the northern flank of Tindouf Basin by integrating remotely sensed data, geochemistry and field observations. Lithos, 2021, 380-381, 105870.	1.4	0
12	Subsurface geoelectrical structure from 3-d inversion of magnetotelluric data of Gisenyi geothermal field, western part of Rwanda. Journal of Applied Geophysics, 2021, 186, 104277.	2.1	6
13	Groundwater aquifer detection using the electrical resistivity method at Ito Campus, Kyushu University (Fukuoka, Japan). Geoscience Letters, 2021, 8, .	3.3	19
14	Impact of COVID-19 lockdown upon the air quality and surface urban heat island intensity over the United Arab Emirates. Science of the Total Environment, 2021, 767, 144330.	8.0	62
15	Hydrochemistry and geothermometry of thermal waters from UAE and their energetic potential assessment. Geothermics, 2021, 92, 102061.	3.4	13
16	Application of remote sensing techniques to geothermal exploration at geothermal fields in the United Arab Emirates. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	4
17	Magnetotelluric data analysis using 2D inversion: A case study from Al-Mubazzarah Geothermal Area (AMGA), Al-Ain, United Arab Emirates. Heliyon, 2021, 7, e07440.	3.2	14
18	Interpretation of gravity data to delineate the subsurface structures and reservoir geometry of the Alutoâ€"Langano geothermal field, Ethiopia. Geothermics, 2021, 94, 102093.	3.4	12

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19	Investigation of the Ayrobera geothermal field using 3D magnetotelluric data inversion, Afar depression, NE Ethiopia. Geothermics, 2021, 94, 102114.	3.4	9
20	Microgravity monitoring of groundwater dynamics in a shallow aquifer in Al-Ain (Abu Dhabi Emirate,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Environmental Earth Sciences, 2021, 80, 1.	2.7	3
21	Geographic information systemâ€"based approach and statistical modeling for assessing nitrate distribution in the Mitidja aquifer, Northern Algeria. Environmental Monitoring and Assessment, 2021, 193, 631.	2.7	1
22	Detection and modeling of soil salinity variations in arid lands using remote sensing data. Open Geosciences, 2021, 13, 443-453.	1.7	21
23	Subsurface structure investigation of the United Arab Emirates using gravity data. Open Geosciences, 2021, 13, 262-271.	1.7	4
24	Pulsed emplacement under the Uyaijah granite ring structure, eastern Saudi Arabiaâ€"results from 3D gravity-magnetic inversion. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	0
25	Geothermal Exploration Using the Magnetotelluric Technique. Proceedings of International Exchange and Innovation Conference on Engineering & Sciences, IEICES, 2021, 7, 32-33.	0.1	0
26	Cavity extension investigations from gravity and electrical surveys at Mountain Hafeet (Al-Ain, UAE). , 2021, , .		0
27	A python package for magnetotelluric data visualization, analysis, modeling and inversion. , 2021, , .		0
28	Lunar Orientale Basin subsurface structure estimated from Kaguya (SELENE) orbiter data inversion. , 2021, , .		1
29	Vehicles detection based on their seismic surface waves using classification techniques. , 2021, , .		1
30	Groundwater potential zones identification using geoelectrical sounding and remote sensing in Wadi Touil plain, Northwestern Algeria. Journal of African Earth Sciences, 2020, 172, 104014.	2.0	10
31	Gravity, GPR and ERT surveys at Al-Maqam campus of United Arab Emirates University (Al-Ain, UAE). , 2020, , .		0
32	Subsurface density distribution and structure of the crust of the United Arab Emirates from gravity data. , 2020, , .		1
33	Aquifer characterization using vertical electrical soundings and remote sensing: A case study of the Chott Ech Chergui Basin, Northwest Algeria. Journal of African Earth Sciences, 2020, 170, 103920.	2.0	12
34	Groundwater modelling of the Tebessa-Morsott alluvial aquifer (northeastern Algeria): A geostatistical approach. Groundwater for Sustainable Development, 2020, 11, 100444.	4.6	9
35	Computation of geophysical magnetic data for a buried 3â€D hexahedral prism using the Gaussâ€"Legendre quadrature method. Near Surface Geophysics, 2020, 18, 575-588.	1.2	5
36	Feasibility study of karst feature detection using microgravity data inversion. , 2020, , .		1

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37	Cavity auto-detection using machine learning algorithms: Logistic regression, support vector machine, and naïve Bayes. , 2020, , .		2
38	Subsurface imaging of the Harrat Lunayyir 2007–2009 earthquake swarm zone, western Saudi Arabia, using potential field methods. Journal of Asian Earth Sciences, 2019, 169, 79-92.	2.3	9
39	Deep cavity systems detection in Al-Ain City, UAE, based on gravity surveys inversion. Journal of Asian Earth Sciences, 2019, 182, 103937.	2.3	16
40	A case history: 3-D gravity modeling using hexahedral element in Kinigi geothermal field, Rwanda. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	5
41	Scenario modeling of the groundwater in a coastal aquifer (Jijel plain area, Algeria). Arabian Journal of Geosciences, 2019, 12, 1.	1.3	5
42	Interpretation of gravity data using 3D inversion and 2D continuous wavelet transform in Hedil deformed structures, northern Tunisia. Journal of African Earth Sciences, 2019, 151, 371-390.	2.0	8
43	Subsurface structural mapping using gravity data of Al-Ain region, Abu Dhabi Emirate, United Arab Emirates. Geophysical Journal International, 2019, 216, 1201-1213.	2.4	26
44	Hydrogeochemical and isotope characterization of geothermal waters from the Cidanau geothermal field, West Java, Indonesia. Geothermics, 2019, 78, 62-69.	3.4	13
45	Hydrogeological and hydrochemical investigation of groundwater using environmental isotopes (18O, 2H, 3H, 14C) and chemical tracers: a case study of the intermediate aquifer, Sfax, southeastern Tunisia. Hydrogeology Journal, 2018, 26, 983-1007.	2.1	23
46	Geophysical investigation using gravity data in Kinigi geothermal field, northwest Rwanda. Journal of African Earth Sciences, 2018, 139, 184-192.	2.0	30
47	Geothermal exploration using airborne gravity and magnetic data at Siwa Oasis, Western Desert, Egypt. Renewable and Sustainable Energy Reviews, 2018, 82, 3824-3832.	16.4	56
48	Microgravity and Its Applications in Geosciences. , 2018, , .		7
49	3-D magnetic inversion and satellite imagery for the Um Salatit gold occurrence, Central Eastern Desert, Egypt. Arabian Journal of Geosciences, 2018, 11, 1.	1.3	6
50	Recent Earthquakes and Volcanic Activities in Kyushu Island, Japan. , 2018, , 53-67.		0
51	Spatio-temporal evolution of the physico-chemical water characteristics of the Sebaou river valley (Great Kabylia, Algeria). Journal of Hydrology: Regional Studies, 2017, 12, 33-49.	2.4	7
52	Analyze the spatial distribution of lava flows in Al-Ays Volcanic Area, Saudi Arabia, using remote sensing. Arabian Journal of Geosciences, 2017, 10, 1.	1.3	9
53	2-D inversion of magnetotelluric data at Dar-Chioukh region (Djelfa, Algeria). , 2017, , .		3
54	3-D forward modelling of magnetic data from Al-Mubazzarah geothermal field, al-Ain, UAE. , 2017, , .		1

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55	3-D magnetic inversion at the Al-Mubazzarah area, Al-Ain, United Arab Emirates. , 2017, , .		3
56	Era: Mobile Electrical Resistivity Apps. , 2017, , .		0
57	Multiple Geophysical Investigations at Al-Qusiase Lake, Al-Ain, United Arab Emirates. , 2017, , .		0
58	Determination of the origins and recharge rates of the Sfax aquifer system (southeastern Tunisia) using isotope tracers. Environmental Earth Sciences, 2016, 75, 1.	2.7	10
59	Structural Investigations of Afghanistan Deduced from Remote Sensing and Potential Field Data. Acta Geophysica, 2016, 64, 978-1003.	2.0	21
60	Integration of magnetic, gravity, and well data in imaging subsurface geology in the Ksar Hirane region (Laghouat, Algeria). Journal of African Earth Sciences, 2016, 124, 63-74.	2.0	18
61	Principal component, chemical, bacteriological, and isotopic analyses of Oued-Souf groundwaters (revised). Environmental Earth Sciences, 2016, 75, 1.	2.7	6
62	Aerogravity and remote sensing observations of an iron deposit in Gara Djebilet, southwestern Algeria. Journal of African Earth Sciences, 2016, 116, 134-150.	2.0	37
63	3D Gravity Inversion using Tikhonov Regularization. Acta Geophysica, 2015, 63, 1044-1065.	2.0	17
64	Gravity inversion of a fault by Cuckoo optimization. , 2015, , .		1
65	3D inversion of gravity data using Cuckoo optimization algorithm. , 2015, , .		2
66	Correlation of Aerogravity and BHT Data to Develop a Geothermal Gradient Map of the Northern Western Desert of Egypt using an Artificial Neural Network. Pure and Applied Geophysics, 2015, 172, 1585-1597.	1.9	24
67	Mineral and structural mapping of the Aynak-Logar Valley (eastern Afghanistan) from hyperspectral remote sensing data and aeromagnetic data. Arabian Journal of Geosciences, 2015, 8, 10911-10918.	1.3	27
68	Curie point depth from spectral analysis of aeromagnetic data for geothermal reconnaissance in Afghanistan. Journal of African Earth Sciences, 2015, 111, 92-99.	2.0	20
69	Fast 3D inversion of gravity data using Lanczos bidiagonalization method. Arabian Journal of Geosciences, 2015, 8, 4969-4981.	1.3	20
70	Integrating Gravity Data With Remotely Sensed Data for Structural Investigation of the Aynak-Logar Valley, Eastern Afghanistan, and the Surrounding Area. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2015, 8, 816-824.	4.9	15
71	Multiparameter cartographic assessment of the hydrochemical groundwater of the Soummam valley (Kabylia, Algeria). Environmental Progress and Sustainable Energy, 2014, 33, 1357-1365.	2.3	2
72	Hydrochemistry and bacteriology of western and Saharan spring waters of Algeria. Arabian Journal of Geosciences, 2013, 6, 665-677.	1.3	6

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73	Contribution of multivariate statistical techniques in the hydrochemical evaluation of groundwater from the Ouargla phreatic aquifer in Algeria. Arabian Journal of Geosciences, 2013, 6, 3427-3436.	1.3	17
74	Integrating Potential Field Data with Remote Sensed Data for Structural Investigations at Aynak-Logar Valley Area and Its Surroundings (Eastern Afghanistan). , 2013, , .		0
75	Gravity Analysis for Geothermal Reconnaissance in Costa Rica. , 2013, , .		0
76	Exploration and assessment of the geothermal resources in the Hammam Faraun hot spring, Sinai Peninsula, Egypt. Journal of Asian Earth Sciences, 2012, 45, 256-267.	2.3	37
77	Gravity data analysis of Ungaran Volcano, Indonesia. Arabian Journal of Geosciences, 2012, 5, 1047-1054.	1.3	6
78	Characterization, classification, bacteriological, and evaluation of groundwater from 24 wells in six departments of Algeria. Arabian Journal of Geosciences, 2012, 5, 1449-1458.	1.3	9
79	A Coastal Aquifer Study Using Magnetotelluric and Gravity Methods in Abo Zenema, Egypt. Pure and Applied Geophysics, 2012, 169, 1679-1692.	1.9	15
80	Analysis and interpretation of gravity data from the Aluto-Langano geothermal field of Ethiopia. Acta Geophysica, 2012, 60, 318-336.	2.0	26
81	Geochemical and stable isotopic studies of Gulf of Suezâ€™s hot springs, Egypt. Diqiu Huaxue, 2012, 31, 120-127.	0.5	15
82	3D Numerical model of the Obama hydrothermalâ€"geothermal system, Southwestern Japan. Computational Geosciences, 2011, 15, 709-719.	2.4	1
83	Characterization, classification, and determination of drinkability of some Algerian thermal waters. Arabian Journal of Geosciences, 2011, 4, 207-219.	1.3	15
84	A preliminary regional geothermal assessment of the Gulf of Suez, Egypt. Journal of African Earth Sciences, 2011, 60, 117-132.	2.0	32
85	Characterisation, classification, and evaluation of some groundwater samples in the Mostaganem area of northwestern Algeria. Arabian Journal of Geosciences, 2010, 3, 79-89.	1.3	8
86	Post-eruptive gravity changes from 1999 to 2004 at Unzen volcano (Japan): A window into shallow aquifer and hydrothermal dynamics. Journal of Volcanology and Geothermal Research, 2010, 191, 137-147.	2.1	12
87	Temperature and chemical changes in the fluids of the Obama geothermal field (SW Japan) in response to field utilization. Geothermics, 2010, 39, 228-241.	3.4	21
88	Variographic analysis of water table data from the Oued-Souf phreatic aquifer, northeastern part of the Algerian Sahara. Arabian Journal of Geosciences, 2009, 2, 83-93.	1.3	14
89	Geothermal resources in Algeria. Renewable and Sustainable Energy Reviews, 2009, 13, 2544-2552.	16.4	55
90	Integrating data from remote sensing, geology and gravity for geological investigation in the Tarhunah area, Northwest Libya. International Journal of Digital Earth, 2008, 1, 347-366.	3.9	20

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91	Relation between structure and low-temperature geothermal systems in Fukuoka city, southwestern Japan. Earth, Planets and Space, 2008, 60, 821-826.	2.5	14
92	Integrating potential fields with remote sensing data for geological investigations in the Eljufra area of Libya. Earth, Planets and Space, 2008, 60, 539-547.	2.5	12
93	Integrated gradient interpretation techniques for 2D and 3D gravity data interpretation. Earth, Planets and Space, 2006, 58, 815-821.	2.5	37
94	Euler deconvolution of gravity data in Geothermal Reconnaissance; the Obama geothermal area, Japan. BUTSURI-TANSA(Geophysical Exploration), 2006, 59, 275-282.	0.0	7
95	Applications of Remote Sensing in Geoscience. , 0, , .		7