Amin Beiranvand Pour

List of Publications by Year
in descending order

77 papers	3,343 citations	145106 33 h-index	175968 55 g-index
78 all docs	78 docs citations	78 times ranked	1286 citing authors

#	Article	IF	Citations
1	Landsat-7 and ASTER remote sensing satellite imagery for identification of iron skarn mineralization in metamorphic regions. Geocarto International, 2022, 37, 1971-1998.	1.7	26
2	ASTER and WorldView-3 satellite data for mapping lithology and alteration minerals associated with Pb-Zn mineralization. Geocarto International, 2022, 37, 1782-1812.	1.7	36
3	Integrating remote sensing, GIS and in-situ data for structural mapping over a part of the NW Rif belt, Morocco. Geocarto International, 2022, 37, 3265-3292.	1.7	12
4	Fusion of ASTER satellite imagery, geochemical and geology data for gold prospecting in the Astaneh granite intrusive, West Central Iran. International Journal of Image and Data Fusion, 2022, 13, 71-94.	0.8	7
5	Identifying hydrothermally altered rocks using ASTER satellite imageries in Eastern Anti-Atlas of Morocco: a case study from Imiter silver mine. International Journal of Image and Data Fusion, 2022, 13, 337-361.	0.8	9
6	Detection of alteration zones using the Dirichlet process Stick-Breaking model-based clustering algorithm to hyperion data: the case study of Kuh-Panj porphyry copper deposits, Southern Iran. Geocarto International, 2022, 37, 9788-9816.	1.7	11
7	A Comparative Study of Convolutional Neural Networks and Conventional Machine Learning Models for Lithological Mapping Using Remote Sensing Data. Remote Sensing, 2022, 14, 819.	1.8	28
8	Hybrid Fuzzy-Analytic Hierarchy Process (AHP) Model for Porphyry Copper Prospecting in Simorgh Area, Eastern Lut Block of Iran. Mining, 2022, 2, 1-12.	1.1	14
9	Conjugate utilization of Landsat-8 OLI, ground gravity and magnetic data for targeting mafic cumulates within anorthositic-layered complex of Sittampundi, India. Geocarto International, 2021, 36, 1855-1872.	1.7	10
10	Alteration and structural features mapping in Kacho-Mesqal zone, Central Iran using ASTER remote sensing data for porphyry copper exploration. International Journal of Image and Data Fusion, 2021, 12, 155-175.	0.8	19
11	Editorial for the Special Issue: Multispectral and Hyperspectral Remote Sensing Data for Mineral Exploration and Environmental Monitoring of Mined Areas. Remote Sensing, 2021, 13, 519.	1.8	36
12	Shear-Related Gold Ores in the Wadi Hodein Shear Belt, South Eastern Desert of Egypt: Analysis of Remote Sensing, Field and Structural Data. Minerals (Basel, Switzerland), 2021, 11, 474.	0.8	35
13	Fractal analysis and structural mapping for copper exploration in Veshnavah area, central part of Urumieh-Dokhtar Magmatic Arc (UDMA), Iran. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	0
14	A simulation-based framework for modulating the effects of subjectivity in greenfield Mineral Prospectivity Mapping with geochemical and geological data. Journal of Geochemical Exploration, 2021, 229, 106838.	1.5	32
15	Integration of ASTER satellite imagery and 3D inversion of aeromagnetic data for deep mineral exploration. Advances in Space Research, 2021, 68, 3641-3662.	1.2	49
16	Remote sensing satellite-based structural/alteration mapping for gold exploration in the KettÃ© goldfield, Eastern Cameroon. Journal of African Earth Sciences, 2021, 184, 104386.	0.9	13
17	Identification of Phyllosilicates in the Antarctic Environment Using ASTER Satellite Data: Case Study from the Mesa Range, Campbell and Priestley Glaciers, Northern Victoria Land. Remote Sensing, 2021, 13, 38.	1.8	22
18	Application of Dirichlet Process and Support Vector Machine Techniques for Mapping Alteration Zones Associated with Porphyry Copper Deposit Using ASTER Remote Sensing Imagery. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10	0.8	0

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19	Lithological and alteration mapping using Landsat 8 and ASTER satellite data in the Reguibat Shield (West African Craton), North of Mauritania: implications for uranium exploration. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	19
20	Structural lineament mapping in a sub-tropical region using Landsat-8/SRTM data: a case study of Deng-Deng area in Eastern Cameroon. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	14
21	Earthquake Vulnerability Assessment for Urban Areas Using an ANN and Hybrid SWOT-QSPM Model. Remote Sensing, 2021, 13, 4519.	1.8	9
22	Integrating aeromagnetic data and Landsat-8 imagery for detection of post-accretionary shear zones controlling hydrothermal alterations: The Allaqi-Heiani Suture zone, South Eastern Desert, Egypt. Advances in Space Research, 2020, 65, 1008-1024.	1.2	57
23	A Remote Sensing-Based Application of Bayesian Networks for Epithermal Gold Potential Mapping in Ahar-Arasbaran Area, NW Iran. Remote Sensing, 2020, 12, 105.	1.8	63
24	Lithological and alteration mineral mapping for alluvial gold exploration in the south east of Birao area, Central African Republic using Landsat-8 Operational Land Imager (OLI) data. Journal of African Earth Sciences, 2020, 170, 103933.	0.9	32
25	Integration of remote sensing, gravity and geochemical data for exploration of Cu-mineralization in Alwar basin, Rajasthan, India. International Journal of Applied Earth Observation and Geoinformation, 2020, 91, 102162.	1.4	16
26	Integration of Selective Dimensionality Reduction Techniques for Mineral Exploration Using ASTER Satellite Data. Remote Sensing, 2020, 12, 1261.	1.8	45
27	Identifying high potential zones of gold mineralization in a sub-tropical region using Landsat-8 and ASTER remote sensing data: A case study of the Ngoura-Colomines goldfield, eastern Cameroon. Ore Geology Reviews, 2020, 122, 103530.	1.1	83
28	Application of Landsat-8, Sentinel-2, ASTER and WorldView-3 Spectral Imagery for Exploration of Carbonate-Hosted Pb-Zn Deposits in the Central Iranian Terrane (CIT). Remote Sensing, 2020, 12, 1239.	1.8	89
29	Mapping Listvenite Occurrences in the Damage Zones of Northern Victoria Land, Antarctica Using ASTER Satellite Remote Sensing Data. Remote Sensing, 2019, 11, 1408.	1.8	60
30	Field and spaceborne imagery data for evaluation of the paleo-stress regime during formation of the Jurassic dike swarms in the Kalateh Alaeddin Mountain area, Shahrood, north Iran. Arabian Journal of Geosciences, 2019, 12, 1.	0.6	6
31	Orogenic Gold in Transpression and Transtension Zones: Field and Remote Sensing Studies of the Barramiyaâ€“Mueilha Sector, Egypt. Remote Sensing, 2019, 11, 2122.	1.8	70
32	Mapping hydrothermal alteration zones and lineaments associated with orogenic gold mineralization using ASTER data: A case study from the Sanandaj-Sirjan Zone, Iran. Advances in Space Research, 2019, 63, 3315-3332.	1.2	92
33	Remote sensing satellite imagery for prospecting geothermal systems in an aseismic geologic setting: Yankari Park, Nigeria. International Journal of Applied Earth Observation and Geoinformation, 2019, 80, 157-172.	1.4	11
34	Comparison of Different Algorithms to Map Hydrothermal Alteration Zones Using ASTER Remote Sensing Data for Polymetallic Vein-Type Ore Exploration: Toroudâ€“Chahshirin Magmatic Belt (TCMB), North Iran. Remote Sensing, 2019, 11, 495.	1.8	76
35	Application of Constrained Energy Minimization (CEM) algorithm to ASTER data for alteration mineral mapping. , 2019, , .		0
36	Landsat-8, Advanced Spaceborne Thermal Emission and Reflection Radiometer, and WorldView-3 Multispectral Satellite Imagery for Prospecting Copper-Gold Mineralization in the Northeastern Inglefield Mobile Belt (IMB), Northwest Greenland. Remote Sensing, 2019, 11, 2430.	1.8	72

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37	Lineament mapping and fractal analysis using SPOT-ASTER satellite imagery for evaluating the severity of slope weathering process. Advances in Space Research, 2019, 63, 871-885.	1.2	14
38	Lithological and alteration mineral mapping in poorly exposed lithologies using Landsat-8 and ASTER satellite data: North-eastern Graham Land, Antarctic Peninsula. Ore Geology Reviews, 2019, 108, 112-133.	1.1	139
39	Evaluation of ICA and CEM algorithms with Landsat-8/ASTER data for geological mapping in inaccessible regions. Geocarto International, 2019, 34, 785-816.	1.7	55
40	Identification of hydrothermal alteration minerals associated with geothermal system using ASTER and Hyperion satellite data: a case study from Yankari Park, NE Nigeria. Geocarto International, 2019, 34, 597-625.	1.7	29
41	Regional geology mapping using satellite-based remote sensing approach in Northern Victoria Land, Antarctica. Polar Science, 2018, 16, 23-46.	0.5	76
42	Landslide Mapping and Assessment by Integrating Landsat-8, PALSAR-2 and GIS Techniques: A Case Study from Kelantan State, Peninsular Malaysia. Journal of the Indian Society of Remote Sensing, 2018, 46, 233-248.	1.2	16
43	Application of Landsat-8 and ASTER satellite remote sensing data for porphyry copper exploration: a case study from Shahr-e-Babak, Kerman, south of Iran. Geocarto International, 2018, 33, 1186-1201.	1.7	67
44	Mapping alteration mineral zones and lithological units in Antarctic regions using spectral bands of ASTER remote sensing data. Geocarto International, 2018, 33, 1281-1306.	1.7	82
45	Multi-Criteria Decision Making (MCDM) Model for Seismic Vulnerability Assessment (SVA) of Urban Residential Buildings. ISPRS International Journal of Geo-Information, 2018, 7, 444.	1.4	41
46	Band Ratios Matrix Transformation (BRMT): A Sedimentary Lithology Mapping Approach Using ASTER Satellite Sensor. Sensors, 2018, 18, 3213.	2.1	37
47	Application of Multi-Sensor Satellite Data for Exploration of Znâ€“Pb Sulfide Mineralization in the Franklinian Basin, North Greenland. Remote Sensing, 2018, 10, 1186.	1.8	92
48	A Hybrid Analytic Network Process and Artificial Neural Network (ANP-ANN) Model for Urban Earthquake Vulnerability Assessment. Remote Sensing, 2018, 10, 975.	1.8	90
49	Integration of SPOT-5 and ASTER satellite data for structural tracing and hydrothermal alteration mineral mapping: implications for Cuâ€“Au prospecting. International Journal of Image and Data Fusion, 2018, 9, 237-262.	0.8	27
50	Gondwana-Derived Terranes Structural Mapping Using PALSAR Remote Sensing Data. Journal of the Indian Society of Remote Sensing, 2018, 46, 249-262.	1.2	9
51	Geology and Remote Sensing Investigations in Antarctic Environments. Sustainable Civil Infrastructures, 2018, , 272-281.	0.1	0
52	Fracture mapping of lineaments and recognizing their tectonic significance using SPOT-5 satellite data: A case study from the Bajestan area, Lut Block, east of Iran. Journal of African Earth Sciences, 2017, 134, 600-612.	0.9	21
53	Application of ASTER SWIR bands in mapping anomaly pixels for Antarctic geological mapping. Journal of Physics: Conference Series, 2017, 852, 012025.	0.3	2
54	Application of Landsat-8 and ALOS-2 data for structural and landslide hazard mapping in Kelantan, Malaysia. Natural Hazards and Earth System Sciences, 2017, 17, 1285-1303.	1.5	35

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55	Application of PALSAR-2 remote sensing data for structural geology and topographic mapping in Kelantan river basin, Malaysia. IOP Conference Series: Earth and Environmental Science, 2016, 37, 012067.	0.2	3
56	Sediment-hosted/orogenic gold mineral systems exploration using PALSAR remote sensing data in Peninsular Malaysia. IOP Conference Series: Earth and Environmental Science, 2016, 37, 012005.	0.2	0
57	Remote sensing analysis of geological structures in Peninsular Malaysia using PALSAR data. , 2016, , .		3
58	Structural Mapping of the Bentongâ€Raub Suture Zone Using PALSAR Remote Sensing Data, Peninsular Malaysia: Implications for Sedimentâ€hosted/Orogenic Gold Mineral Systems Exploration. Resource Geology, 2016, 66, 368-385.	0.3	67
59	Integration of ASTER and landsat TM remote sensing data for chromite prospecting and lithological mapping in Neyriz ophiolite zone, south Iran. Resource Geology, 2015, 65, 375-388.	0.3	19
60	Evaluation of Earth Observing-1 (EO1) Data for Lithological and Hydrothermal Alteration Mapping: A Case Study from Urumieh-Dokhtar Volcanic Belt, SE Iran. Journal of the Indian Society of Remote Sensing, 2015, 43, 583-597.	1.2	14
61	Integrating PALSAR and ASTER data for mineral deposits exploration in tropical environments: a case study from Central Belt, Peninsular Malaysia. International Journal of Image and Data Fusion, 2015, 6, 170-188.	0.8	75
62	PALSAR remote sensing data for structural geology mapping in tropical environments. , 2015, , .		0
63	Integration of ASTER and Landsat TM satellite data for lithological mapping and chromite prospecting. , 2015, , .		0
64	Hydrothermal alteration mapping from Landsat-8 data, Sar Cheshmeh copper mining district, south-eastern Islamic Republic of Iran. Journal of Taibah University for Science, 2015, 9, 155-166.	1.1	128
65	Structural mapping using PALSAR data in the Central Gold Belt, Peninsular Malaysia. Ore Geology Reviews, 2015, 64, 13-22.	1.1	100
66	ASTER, ALI and Hyperion sensors data for lithological mapping and ore minerals exploration. SpringerPlus, 2014, 3, 130.	1.2	75
67	Spectral transformation of ASTER and Landsat TM bands for lithological mapping of Soghan ophiolite complex, south Iran. Advances in Space Research, 2014, 54, 694-709.	1.2	63
68	Exploration of gold mineralization in a tropical region using Earth Observing-1 (EO1) and JERS-1 SAR data: a case study from Bau gold field, Sarawak, Malaysia. Arabian Journal of Geosciences, 2014, 7, 2393-2406.	0.6	53
69	Structural geology mapping using PALSAR data in the Bau gold mining district, Sarawak, Malaysia. Advances in Space Research, 2014, 54, 644-654.	1.2	59
70	Application of <scp>ASTER</scp> and Landsat <scp>TM</scp> Data for Geological Mapping of Esfandagheh Ophiolite Complex, Southern <scp>I</scp>ran. Resource Geology, 2014, 64, 233-246.	0.3	48
71	Comparison of ETM+ and MODIS Data for Tropical Forest Degradation Monitoring in the Peninsular Malaysia. Journal of the Indian Society of Remote Sensing, 2014, 42, 383-396.	1.2	11
72	Fusing ASTER, ALI and Hyperion data for enhanced mineral mapping. International Journal of Image and Data Fusion, 2013, 4, 126-145.	0.8	35

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73	Detection of hydrothermal alteration zones in a tropical region using satellite remote sensing data: Bau goldfield, Sarawak, Malaysia. Ore Geology Reviews, 2013, 54, 181-196.	1.1	113
74	Automatic lineament extraction in a heavily vegetated region using Landsat Enhanced Thematic Mapper (ETM+) imagery. Advances in Space Research, 2013, 51, 874-890.	1.2	108
75	Identifying areas of high economic-potential copper mineralization using ASTER data in the Urumiehâ€“Dokhtar Volcanic Belt, Iran. Advances in Space Research, 2012, 49, 753-769.	1.2	112
76	The application of ASTER remote sensing data to porphyry copper and epithermal gold deposits. Ore Geology Reviews, 2012, 44, 1-9.	1.1	233
77	Per-pixel and sub-pixel mapping of alteration minerals associated with geothermal systems using ASTER SWIR data. IOP Conference Series: Earth and Environmental Science, 0, 169, 012086.	0.2	2