

Sankaran - Rajendran

List of Publications by Year in descending order

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36
papers

833
citations

471509

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docs citations

36
times ranked

621
citing authors

#	ARTICLE	IF	CITATIONS
1	ASTER detection of chromite bearing mineralized zones in Semail Ophiolite Massifs of the northern Oman Mountains: Exploration strategy. <i>Ore Geology Reviews</i> , 2012, 44, 121-135.	2.7	96
2	Discrimination of iron ore deposits of granulite terrain of Southern Peninsular India using ASTER data. <i>Journal of Asian Earth Sciences</i> , 2011, 41, 99-106.	2.3	68
3	Detection of hydrothermal mineralized zones associated with listwaenites in Central Oman using ASTER data. <i>Ore Geology Reviews</i> , 2013, 53, 470-488.	2.7	68
4	Characterization of ASTER spectral bands for mapping of alteration zones of volcanogenic massive sulphide deposits. <i>Ore Geology Reviews</i> , 2017, 88, 317-335.	2.7	64
5	Monitoring oil spill in Norilsk, Russia using satellite data. <i>Scientific Reports</i> , 2021, 11, 3817.	3.3	45
6	Hydrothermal altered serpentized zone and a study of Ni-magnesioferriteâ€“magnetiteâ€“awaruite occurrences in Wadi Hibi, Northern Oman Mountain: Discrimination through ASTER mapping. <i>Ore Geology Reviews</i> , 2014, 62, 211-226.	2.7	39
7	ASTER spectral sensitivity of carbonate rocks â€“ Study in Sultanate of Oman. <i>Advances in Space Research</i> , 2014, 53, 656-673.	2.6	37
8	ASTER capability in mapping of mineral resources of arid region: A review on mapping of mineral resources of the Sultanate of Oman. <i>Ore Geology Reviews</i> , 2019, 108, 33-53.	2.7	36
9	Detection of Wakashio oil spill off Mauritius using Sentinel-1 and 2 data: Capability of sensors, image transformation methods and mapping. <i>Environmental Pollution</i> , 2021, 274, 116618.	7.5	33
10	Capability of advanced spaceborne thermal emission and reflection radiometer (ASTER) on discrimination of carbonates and associated rocks and mineral identification of eastern mountain region (Saih Hatat window) of Sultanate of Oman. <i>Carbonates and Evaporites</i> , 2011, 26, 351-364.	1.0	32
11	ASTER mapping of limestone formations and study of caves, springs and depressions in parts of Sultanate of Oman. <i>Environmental Earth Sciences</i> , 2014, 71, 133-146.	2.7	29
12	Hydrogeochemistry of the Paravanar River Sub-Basin, Cuddalore District, Tamilnadu, India. <i>E-Journal of Chemistry</i> , 2011, 8, 835-845.	0.5	28
13	History of a disaster: A baseline assessment of the Wakashio oil spill on the coast of Mauritius, Indian Ocean. <i>Marine Pollution Bulletin</i> , 2022, 175, 113330.	5.0	21
14	Remote sensing based approach for mapping of CO2 sequestered regions in Samail ophiolite massifs of the Sultanate of Oman. <i>Earth-Science Reviews</i> , 2014, 135, 122-140.	9.1	19
15	Integration of ASTER and landsat TM remote sensing data for chromite prospecting and lithological mapping in Neyriz ophiolite zone, south Iran. <i>Resource Geology</i> , 2015, 65, 375-388.	0.8	19
16	ASTER spectral analysis of ultramafic lamprophyres (carbonatites and aillikites) within the Batain Nappe, northeastern margin of Oman: a proposal developed for spectral absorption. <i>International Journal of Remote Sensing</i> , 2013, 34, 2763-2795.	2.9	18
17	Mapping of high pressure metamorphics in the As Sifah region, NE Oman using ASTER data. <i>Advances in Space Research</i> , 2015, 55, 1134-1157.	2.6	18
18	Assessment of heavy metal distribution pattern in the sediments of Tamirabarani river and estuary, east coast of Tamil Nadu, India. <i>Environmental Earth Sciences</i> , 2015, 73, 2441-2452.	2.7	18

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19	Tertiary and quaternary marine terraces and planation surfaces of northern Oman: Interaction of flexural bulge migration associated with the Arabian-Eurasian collision and eustatic sea level changes. <i>Journal of Earth Science (Wuhan, China)</i> , 2016, 27, 955-970.	3.2	16
20	Sentinel-2 image transformation methods for mapping oil spill – A case study with Wakashio oil spill in the Indian Ocean, off Mauritius. <i>MethodsX</i> , 2021, 8, 101327.	1.6	16
21	Mapping of Neoproterozoic source rocks of the Huqf Supergroup in the Sultanate of Oman using remote sensing. <i>Ore Geology Reviews</i> , 2016, 78, 281-299.	2.7	15
22	Vegetation analysis study in and around Sultan Qaboos University, Oman, using Geoeye-1 satellite data. <i>Egyptian Journal of Remote Sensing and Space Science</i> , 2016, 19, 297-311.	2.0	12
23	Mapping of Moho and Moho Transition Zone (MTZ) in Samail ophiolites of Sultanate of Oman using remote sensing technique. <i>Tectonophysics</i> , 2015, 657, 63-80.	2.2	11
24	Mapping and accuracy assessment of siltation of recharge dams using remote sensing technique. <i>Scientific Reports</i> , 2020, 10, 10364.	3.3	11
25	Remote sensing of inland Sabkha and a study of the salinity and temporal stability for sustainable development: A case study from the West coast of Qatar. <i>Science of the Total Environment</i> , 2021, 782, 146932.	8.0	10
26	Mapping of hydrothermal alteration in the upper mantle-lower crust transition zone of the Tayin Massif, Sultanate of Oman using remote sensing technique. <i>Journal of African Earth Sciences</i> , 2019, 150, 722-743.	2.0	9
27	Facies architecture and depositional model for a fine-grained hybrid energy delta: An example from the Upper Cambrian to Lower Ordovician Barik Formation, Central Oman. <i>Geological Journal</i> , 2021, 56, 4254-4279.	1.3	9
28	Spectral Signature Characterization and Remote Mapping of Oman Exotic Limestones for Industrial Rock Resource Assessment. <i>Geosciences (Switzerland)</i> , 2018, 8, 145.	2.2	8
29	WorldView-3 mapping of Tarmat deposits of the Ras Rakan Island, Northern Coast of Qatar: Environmental perspective. <i>Marine Pollution Bulletin</i> , 2021, 163, 111988.	5.0	8
30	Discrimination of low-grade magnetite ores using remote sensing techniques. <i>Journal of the Indian Society of Remote Sensing</i> , 2007, 35, 153-162.	2.4	5
31	Visualizing uncertainty – How fuzzy logic approach can help to explore iron ore deposits?. <i>Journal of the Indian Society of Remote Sensing</i> , 2009, 37, 1-8.	2.4	3
32	Integration of VNIR and SWIR spectral reflectance for mapping mineral resources; A case study, north east of Hajjah, Yemen. <i>Journal of the Indian Society of Remote Sensing</i> , 2009, 37, 305-315.	2.4	3
33	ASTER mapping of gypsum deposits of Thumrait region of southern Oman. <i>Resource Geology</i> , 2021, 71, 41-62.	0.8	3
34	Trace Element Studies and Origin of Magnetite Quartzite Iron Formations of Northern District of Tamil Nadu, India. <i>Asian Journal of Applied Sciences</i> , 2008, 1, 327-333.	0.4	3
35	Calibration of ASTER and ETM + imagery using empirical line method – A case study of north-east of Hajjah, Yemen. <i>Geo-Spatial Information Science</i> , 2009, 12, 197-201.	5.3	2
36	Capability of L-band SAR data in mapping of sedimentary formations of the Marmul region, Sultanate of Oman. <i>Earth Science Informatics</i> , 2018, 11, 341-357.	3.2	1