Vemuri Chowdary

List of Publications by Year
in descending order

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31	2,706	448610	536525
papers	citations	19 h-index	29 g-index

33	33	33	2638
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reservoir Monitoring Using Satellite Altimetry: A Case Study Over Mayurakshi Reservoir. Water Science and Technology Library, 2022, , 295-310.	0.2	0
2	Land Use Land Cover Change Detection of the Tons River Basin Using Remote Sensing and GIS. Water Science and Technology Library, 2022, , 53-65.	0.2	0
3	Evaluation of water demand and supply under varying meteorological conditions in Eastern India and mitigation strategies for sustainable agricultural production. Environment, Development and Sustainability, 2021, 23, 1264-1291.	2.7	4
4	Potential and net recharge assessment in paddy dominated Hirakud irrigation command of eastern India using water balance and geospatial approaches. Environment, Development and Sustainability, 2021, 23, 10869-10891.	2.7	4
5	Planning rainwater conservation measures using geospatial and multi-criteria decision making tools. Environmental Science and Pollution Research, 2021, 28, 1734-1751.	2.7	9
6	Uncertainty Assessment in Soil Erosion Modelling Using RUSLE, Multisource and Multiresolution DEMs. Journal of the Indian Society of Remote Sensing, 2021, 49, 1689-1707.	1.2	13
7	Assessment of Hydrological Drought Vulnerability using Geospatial Techniques in the Tons River Basin, India. Journal of the Indian Society of Remote Sensing, 2021, 49, 2623-2637.	1.2	14
8	Integrated meteorological drought monitoring framework using multi-sensor and multi-temporal earth observation datasets and machine learning algorithms: A case study of central India. Journal of Hydrology, 2021, 601, 126638.	2.3	22
9	Optimization modeling for conjunctive use planning in Upper Damodar River basin, India. Journal of Cleaner Production, 2020, 273, 123098.	4.6	9
10	Developing quantifiable approaches for delineating suitable options for irrigating fallow areas during dry seasonâ€"a case study from Eastern India. Environmental Monitoring and Assessment, 2019, 191, 805.	1.3	14
11	Assessing the accuracy of GIS-based Multi-Criteria Decision Analysis approaches for mapping groundwater potential. Ecological Indicators, 2018, 91, 24-37.	2.6	120
12	Reservoir capacity estimation using SARAL/AltiKa altimetry data coupled with Resourcesat P6-AWiFS and RISAT 1 microwave data. Geocarto International, 2017, 32, 1034-1047.	1.7	7
13	Multi-criteria analysis and GIS modeling for identifying prospective water harvesting and artificial recharge sites for sustainable water supply. Journal of Cleaner Production, 2017, 142, 1436-1456.	4.6	156
14	SARAL/AltiKa Altimetry Data for Monitoring of Inland Water Body: a Case Study of Mayurakshi Reservoir, India. Journal of the Indian Society of Remote Sensing, 2016, 44, 797-802.	1.2	5
15	Rainwater harvesting planning using geospatial techniques and multicriteria decision analysis. Resources, Conservation and Recycling, 2014, 83, 96-111.	5.3	108
16	Multi-Criteria Decision Making Approach for Watershed Prioritization Using Analytic Hierarchy Process Technique and GIS. Water Resources Management, 2013, 27, 3555-3571.	1.9	138
17	Water Balance Study and Irrigation Strategies for Sustainable Management of a Tropical Ethiopian Lake: A Case Study of Lake Alemaya. Water Resources Management, 2011, 25, 2081-2107.	1.9	35
18	Groundwater assessment in Salboni Block, West Bengal (India) using remote sensing, geographical information system and multi-criteria decision analysis techniques. Hydrogeology Journal, 2010, 18, 1713-1728.	0.9	311

#	Article	IF	Citations
19	Delineation of groundwater recharge zones and identification of artificial recharge sites in West Medinipur district, West Bengal, using RS, GIS and MCDM techniques. Environmental Earth Sciences, 2010, 59, 1209-1222.	1.3	313
20	Sediment yield modelling of an agricultural watershed using MUSLE, remote sensing and GIS. Paddy and Water Environment, 2009, 7, 105-113.	1.0	37
21	Integrated Water Resource Development Plan for Sustainable Management of Mayurakshi Watershed, India using Remote Sensing and GIS. Water Resources Management, 2009, 23, 1581-1602.	1.9	128
22	Landslide Hazard Zonation using Remote Sensing and GIS: a case study of Dikrong river basin, Arunachal Pradesh, India. Environmental Geology, 2008, 54, 1517-1529.	1.2	73
23	Runoff and sediment yield modeling from a small agricultural watershed in India using the WEPP model. Journal of Hydrology, 2008, 348, 305-319.	2.3	100
24	Assessment of surface and sub-surface waterlogged areas in irrigation command areas of Bihar state using remote sensing and GIS. Agricultural Water Management, 2008, 95, 754-766.	2.4	99
25	Groundwater management and development by integrated remote sensing and geographic information systems: prospects and constraints. Water Resources Management, 2007, 21, 427-467.	1.9	384
26	Identification of critical erosion prone areas in the small agricultural watershed using USLE, GIS and remote sensing. Water Resources Management, 2007, 21, 729-746.	1.9	278
27	Challenges of using remote sensing and GIS in developing nations. Hydrogeology Journal, 2007, 15, 197-200.	0.9	59
28	Decision support framework for assessment of non-point-source pollution of groundwater in large irrigation projects. Agricultural Water Management, 2005, 75, 194-225.	2.4	108
29	A coupled soil water and nitrogen balance model for flooded rice fields in India. Agriculture, Ecosystems and Environment, 2004, 103, 425-441.	2.5	104
30	GIS-based decision support system for groundwater assessment in large irrigation project areas. Agricultural Water Management, 2003, 62, 229-252.	2.4	51
31	Spatio-temporal evaluation of event detection and measurement coherence among satellite rainfall products for ensembled dataset generation. Theoretical and Applied Climatology, 0, , 1.	1.3	1