Thushara Gunda

List of Publications by Year
in descending order

22 papers	**321** citations	1051969 **10** h-index
24 all docs	**24** docs citations	**24** times ranked

18
g-index
939365

521
citing authors

#	Article	IF	Citations
1	Generation of Data-Driven Expected Energy Models for Photovoltaic Systems. Applied Sciences (Switzerland), 2022, 12, 1872.	1.3	3
2	Classification of Photovoltaic Failures with Hidden Markov Modeling, an Unsupervised Statistical Approach. Energies, 2022, 15, 5104.	1.6	5
3	Plant-level characteristics could aid in the assessment of water-related threats to the electric power sector. Applied Energy, 2021, 282, 116161.	5.1	2
4	Hierarchical effects facilitate spreading processes on synthetic and empirical multilayer networks. PLoS ONE, 2021, 16, e0252266.	1.1	0
5	pvOps: Improving Operational Assessments through Data Fusion. , 2021, , .		4
6	Insights for Systems Security Engineering from Multilayer Network Models. Incose International Symposium, 2021, 31, 280-295.	0.2	2
7	Masking of photovoltaic system performance problems by inverter clipping and other design and operational practices. Renewable and Sustainable Energy Reviews, 2021, 145, 111067.	8.2	5
8	Evaluation of extreme weather impacts on utility-scale photovoltaic plant performance in the United States. Applied Energy, 2021, 302, 117508.	5.1	20
9	Not All Disasters Are Created Equal: An Evaluation of Water Issues in Fire and Hurricane Media Coverage in the United States. Water (Switzerland), 2021, 13, 3655.	1.2	1
10	Neural Network-Based Classification of String-Level IV Curves From Physically-Induced Failures of Photovoltaic Modules. IEEE Access, 2020, 8, 161480-161487.	2.6	11
11	A Machine Learning Evaluation of Maintenance Records for Common Failure Modes in PV Inverters. IEEE Access, 2020, 8, 211610-211620.	2.6	23
12	Prominent Influence of Socioeconomic and Governance Factors on the Food–Energy–Water Nexus in sub–Saharan Africa. Earth's Future, 2019, 7, 1071-1087.	2.4	15
13	A Uniform Practice for Conceptualizing and Communicating Food–Energy–Water Nexus Studies. Earth's Future, 2019, 7, 504-515.	2.4	7
14	Reduced and Earlier Snowmelt Runoff Impacts Traditional Irrigation Systems. Journal of Contemporary Water Research and Education, 2019, 168, 10-28.	0.7	3
15	Water security in practice: The quantity-quality-society nexus. Water Security, 2019, 6, 100022.	1.2	40
16	The Influential Role of Sociocultural Feedbacks on Community–Managed Irrigation System Behaviors During Times of Water Stress. Water Resources Research, 2018, 54, 2697-2714.	1.7	44
17	Minimizing irrigation water demand: An evaluation of shifting planting dates in Sri Lanka. Ambio, 2018, 47, 466-476.	2.8	8
18	Impact of seasonal forecast use on agricultural income in a system with varying crop costs and returns: an empirically-grounded simulation. Environmental Research Letters, 2017, 12, 034001.	2.2	38

#	Article	IF	Citations
19	Spatiotemporal Patterns of Agricultural Drought in Sri Lanka: 1881–2010. International Journal of Climatology, 2016, 36, 563-575.	1.5	37
20	Sustaining food self-sufficiency of a nation: The case of Sri Lankan rice production and related water and fertilizer demands. Ambio, 2016, 45, 302-312.	2.8	25
21	Exploring water indices and associated parameters: a case study approach. Water Policy, 2015, 17, 98-111.	0.7	15
22	Topographical Influences on the Spatial Distribution of Soil Mercury at the Catchment Scale. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	11