

Catalin Stefan

List of Publications by Year in descending order

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33
papers

763
citations

933447

10
h-index

526287

27
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34
all docs

34
docs citations

34
times ranked

752
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of a GIS-multi-criteria decision analysis and web-based decision support tools for mapping and sharing managed aquifer recharge feasibility in Enfidha plain, NE of Tunisia. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	4
2	First application of the Integrated Karst Aquifer Vulnerability (IKAV) method – potential and actual vulnerability in Yucatán, Mexico. <i>Natural Hazards and Earth System Sciences</i> , 2022, 22, 1591-1608.	3.6	3
3	The INOWAS platform: A web-based numerical groundwater modelling approach for groundwater management applications. <i>Environmental Modelling and Software</i> , 2022, 155, 105452.	4.5	7
4	Hydrologic Assessment of Check Dam Performances in Semi-Arid Areas: A Case Study From Gujarat, India. <i>Frontiers in Water</i> , 2021, 3, .	2.3	4
5	Scaling factors in HYDRUS to simulate a reduction in hydraulic conductivity during infiltration from recharge wells and infiltration basins. <i>Vadose Zone Journal</i> , 2020, 19, e20027.	2.2	7
6	First Steps into an Integrated Karst Aquifer Vulnerability Approach (IKAV). Intrinsic Groundwater Vulnerability Analysis of the Yucatan Karst, Mexico. <i>Water (Switzerland)</i> , 2019, 11, 1610.	2.7	9
7	A New GIS-Based Model for Karst Dolines Mapping Using LiDAR; Application of a Multidepth Threshold Approach in the Yucatan Karst, Mexico. <i>Remote Sensing</i> , 2019, 11, 1147.	4.0	11
8	Methods of In Situ Assessment of Infiltration Rate Reduction in Groundwater Recharge Basins. <i>Water (Switzerland)</i> , 2019, 11, 784.	2.7	3
9	Influence of Soil Pore System Properties on the Degradation Rates of Organic Substances during Soil Aquifer Treatment (SAT). <i>Applied Sciences (Switzerland)</i> , 2019, 9, 496.	2.5	15
10	Institutional Feasibility of Managed Aquifer Recharge in Northeast Ghana. <i>Sustainability</i> , 2019, 11, 379.	3.2	7
11	Planning MAR Schemes Using Physical Models: Comparison of Laboratory and Field Experiments. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3652.	2.5	1
12	Suitability Mapping for Managed Aquifer Recharge: Development of Web-Tools. <i>Water (Switzerland)</i> , 2019, 11, 2254.	2.7	9
13	Assessing Managed Aquifer Recharge Processes under Three Physical Model Concepts. <i>Water (Switzerland)</i> , 2019, 11, 107.	2.7	8
14	Hydrogeology Journal, 2019, 27, 1-30.	2.1	304
15	Suitability maps for managed aquifer recharge: a review of multi-criteria decision analysis studies. <i>Environmental Reviews</i> , 2019, 27, 138-150.	4.5	55
16	Multi-Objective Optimization of Managed Aquifer Recharge. <i>Ground Water</i> , 2019, 57, 238-244.	1.3	7
17	Inventory of managed aquifer recharge schemes in Latin America and the Caribbean. <i>Sustainable Water Resources Management</i> , 2018, 4, 163-178.	2.1	14
18	Utilizing unsaturated soil zone models for assessing managed aquifer recharge. <i>Sustainable Water Resources Management</i> , 2018, 4, 383-397.	2.1	8

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19	Web-based global inventory of managed aquifer recharge applications. <i>Sustainable Water Resources Management</i> , 2018, 4, 153-162.	2.1	90
20	Groundwater Development for Dry Season Irrigation in North East Ghana: The Place of Local Knowledge. <i>Water (Switzerland)</i> , 2018, 10, 1724.	2.7	4
21	Managed aquifer recharge: study of undisturbed soil column tests on the infiltration and treatment capacity using effluent of wastewater stabilization pond. <i>Revista Brasileira De Recursos Hidricos</i> , 2018, 23, .	0.5	1
22	Evaluating the applicability of European karst vulnerability assessment methods to the Yucatan karst, Mexico. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	16
23	Web-based tool compilation of analytical equations for groundwater management applications. <i>Environmental Modelling and Software</i> , 2018, 108, 1-7.	4.5	9
24	Simulation of the impact of managed aquifer recharge on the groundwater system in Hanoi, Vietnam. <i>Hydrogeology Journal</i> , 2018, 26, 2427-2442.	2.1	13
25	Application of a GIS Multi-Criteria Decision Analysis for the Identification of Intrinsic Suitable Sites in Costa Rica for the Application of Managed Aquifer Recharge (MAR) through Spreading Methods. <i>Water (Switzerland)</i> , 2016, 8, 391.	2.7	46
26	Assessment of Managed Aquifer Recharge through Modeling—A Review. <i>Water (Switzerland)</i> , 2016, 8, 579.	2.7	78
27	Groundwater vulnerability in Vietnam and innovative solutions for sustainable exploitation. <i>Journal of Vietnamese Environment</i> , 2015, 6, 13-21.	0.2	7
28	Integrated water resources management under different hydrological, climatic and socio-economic conditions: results and lessons learned from a transdisciplinary IWRM project IWAS. <i>Environmental Earth Sciences</i> , 2014, 72, 4677-4687.	2.7	9
29	Sustainable water resources management in the Long Bien district of Hanoi, Vietnam. <i>Water Science and Technology: Water Supply</i> , 2012, 12, 737-746.	2.1	3
30	New journal for the promotion of Vietnamese environmental research. <i>Journal of Vietnamese Environment</i> , 2012, 1, 1-4.	0.2	0
31	Soil Aquifer Treatment as a Tool for Sustainable Groundwater Use in Hanoi/Vietnam. <i>Journal of Environmental Protection</i> , 2011, 02, 882-887.	0.7	2
32	Sorption of polyaromatic compounds by organic matter-coated Ca ²⁺ and Fe ³⁺ -montmorillonite. <i>Geoderma</i> , 2009, 154, 36-41.	5.1	7
33	Managed aquifer recharge (MAR): from global perspective to local planning. , 0, 176, 78-83.		2