

Catalin Stefan

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

763
citations

933447

10
h-index

526287

27
g-index

34
all docs

34
docs citations

34
times ranked

752
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogeology Journal, 2019, 27, 1-30.	2.1	304
2	Web-based global inventory of managed aquifer recharge applications. Sustainable Water Resources Management, 2018, 4, 153-162.	2.1	90
3	Assessment of Managed Aquifer Recharge through Modeling—A Review. Water (Switzerland), 2016, 8, 579.	2.7	78
4	Suitability maps for managed aquifer recharge: a review of multi-criteria decision analysis studies. Environmental Reviews, 2019, 27, 138-150.	4.5	55
5	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. Water (Switzerland), 2016, 8, 391.	2.7	46
6	Evaluating the applicability of European karst vulnerability assessment methods to the Yucatan karst, Mexico. Environmental Earth Sciences, 2018, 77, 1.	2.7	16
7	Influence of Soil Pore System Properties on the Degradation Rates of Organic Substances during Soil Aquifer Treatment (SAT). Applied Sciences (Switzerland), 2019, 9, 496.	2.5	15
8	Inventory of managed aquifer recharge schemes in Latin America and the Caribbean. Sustainable Water Resources Management, 2018, 4, 163-178.	2.1	14
9	Simulation of the impact of managed aquifer recharge on the groundwater system in Hanoi, Vietnam. Hydrogeology Journal, 2018, 26, 2427-2442.	2.1	13
10	A New GIS-Based Model for Karst Dolines Mapping Using LiDAR; Application of a Multidepth Threshold Approach in the Yucatan Karst, Mexico. Remote Sensing, 2019, 11, 1147.	4.0	11
11	Integrated water resources management under different hydrological, climatic and socio-economic conditions: results and lessons learned from a transdisciplinary IWRM project IWAS. Environmental Earth Sciences, 2014, 72, 4677-4687.	2.7	9
12	Web-based tool compilation of analytical equations for groundwater management applications. Environmental Modelling and Software, 2018, 108, 1-7.	4.5	9
13	First Steps into an Integrated Karst Aquifer Vulnerability Approach (IKAV). Intrinsic Groundwater Vulnerability Analysis of the Yucatan Karst, Mexico. Water (Switzerland), 2019, 11, 1610.	2.7	9
14	Suitability Mapping for Managed Aquifer Recharge: Development of Web-Tools. Water (Switzerland), 2019, 11, 2254.	2.7	9
15	Utilizing unsaturated soil zone models for assessing managed aquifer recharge. Sustainable Water Resources Management, 2018, 4, 383-397.	2.1	8
16	Assessing Managed Aquifer Recharge Processes under Three Physical Model Concepts. Water (Switzerland), 2019, 11, 107.	2.7	8
17	Sorption of polyaromatic compounds by organic matter-coated Ca ²⁺ and Fe ³⁺ -montmorillonite. Geoderma, 2009, 154, 36-41.	5.1	7
18	Institutional Feasibility of Managed Aquifer Recharge in Northeast Ghana. Sustainability, 2019, 11, 379.	3.2	7

#	ARTICLE	IF	CITATIONS
19	Multi-Objective Optimization of Managed Aquifer Recharge. <i>Ground Water</i> , 2019, 57, 238-244.	1.3	7
20	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
21	Groundwater vulnerability in Vietnam and innovative solutions for sustainable exploitation. <i>Journal of Vietnamese Environment</i> , 2015, 6, 13-21.	0.2	7
22	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
23	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
24	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
25	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
26	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
27	Methods of In Situ Assessment of Infiltration Rate Reduction in Groundwater Recharge Basins. <i>Water (Switzerland)</i> , 2019, 11, 784.	2.7	3
28	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
29	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
30	Managed aquifer recharge (MAR): from global perspective to local planning. , 0, 176, 78-83.		2
31	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
32	Planning MAR Schemes Using Physical Models: Comparison of Laboratory and Field Experiments. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3652.	2.5	1
33	New journal for the promotion of Vietnamese environmental research. <i>Journal of Vietnamese Environment</i> , 2012, 1, 1-4.	0.2	0