

# Shervan Gharari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4961391/publications.pdf>

Version: 2024-02-01

12  
papers

705  
citations

933447

10  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

1133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	2.6	474
2	The Abuse of Popular Performance Metrics in Hydrologic Modeling. <i>Water Resources Research</i> , 2021, 57, e2020WR029001.	4.2	76
3	Accounting for the influence of vegetation and landscape improves model transferability in a tropical savannah region. <i>Water Resources Research</i> , 2016, 52, 7999-8022.	4.2	25
4	A review and synthesis of hysteresis in hydrology and hydrological modeling: Memory, path-dependency, or missing physics?. <i>Journal of Hydrology</i> , 2018, 566, 500-519.	5.4	24
5	Understanding the Information Content in the Hierarchy of Model Development Decisions: Learning From Data. <i>Water Resources Research</i> , 2021, 57, e2020WR027948.	4.2	22
6	A Vector-Based River Routing Model for Earth System Models: Parallelization and Global Applications. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002434.	3.8	16
7	Flexible vector-based spatial configurations in land models. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 5953-5971.	4.9	16
8	VISCOUS: A Variance-Based Sensitivity Analysis Using Copulas for Efficient Identification of Dominant Hydrological Processes. <i>Water Resources Research</i> , 2021, 57, e2020WR028435.	4.2	14
9	Improving the Representation of Subsurface Water Movement in Land Models. <i>Journal of Hydrometeorology</i> , 2019, 20, 2401-2418.	1.9	12
10	Urban morphology detection and its linking with land surface temperature: A case study for Tehran Metropolis, Iran. <i>Sustainable Cities and Society</i> , 2021, 74, 103228.	10.4	12
11	Evaluating a reservoir parametrization in the vector-based global routing model mizuRoute (v2.0.1) for Earth system model coupling. <i>Geoscientific Model Development</i> , 2022, 15, 4163-4192.	3.6	11
12	Advancing Process Representation in Hydrological Models: Integrating New Concepts, Knowledge, and Data. <i>Water Resources Research</i> , 2021, 57, e2021WR030661.	4.2	3