

Koray K Yilmaz

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

5,796
citations

516215

16
h-index

676716

22
g-index

23
all docs

23
docs citations

23
times ranked

6010
citing authors

#	ARTICLE	IF	CITATIONS
1	Decomposition of the mean squared error and NSE performance criteria: Implications for improving hydrological modelling. <i>Journal of Hydrology</i> , 2009, 377, 80-91.	2.3	3,232
2	Twenty-three unsolved problems in hydrology (UPH) – a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	1.2	474
3	A process-based diagnostic approach to model evaluation: Application to the NWS distributed hydrologic model. <i>Water Resources Research</i> , 2008, 44, .	1.7	399
4	Intercomparison of Rain Gauge, Radar, and Satellite-Based Precipitation Estimates with Emphasis on Hydrologic Forecasting. <i>Journal of Hydrometeorology</i> , 2005, 6, 497-517.	0.7	217
5	Satellite Remote Sensing and Hydrologic Modeling for Flood Inundation Mapping in Lake Victoria Basin: Implications for Hydrologic Prediction in Ungauged Basins. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011, 49, 85-95.	2.7	215
6	The coupled routing and excess storage (CREST) distributed hydrological model. <i>Hydrological Sciences Journal</i> , 2011, 56, 84-98.	1.2	198
7	Evaluation of Multiple Satellite-Based Precipitation Products over Complex Topography. <i>Journal of Hydrometeorology</i> , 2014, 15, 1498-1516.	0.7	194
8	Calibration and evaluation of a flood forecasting system: Utility of numerical weather prediction model, data assimilation and satellite-based rainfall. <i>Journal of Hydrology</i> , 2015, 523, 49-66.	2.3	184
9	Multiregional Satellite Precipitation Products Evaluation over Complex Terrain. <i>Journal of Hydrometeorology</i> , 2016, 17, 1817-1836.	0.7	123
10	Performance evaluation of satellite- and model-based precipitation products over varying climate and complex topography. <i>Journal of Hydrology</i> , 2020, 584, 124707.	2.3	112
11	Results of the DMIP 2 Oklahoma experiments. <i>Journal of Hydrology</i> , 2012, 418-419, 17-48.	2.3	97
12	Multiple-criteria calibration of a distributed watershed model using spatial regularization and response signatures. <i>Journal of Hydrology</i> , 2012, 418-419, 49-60.	2.3	88
13	Evaluation of GPM-era Global Satellite Precipitation Products over Multiple Complex Terrain Regions. <i>Remote Sensing</i> , 2019, 11, 2936.	1.8	74
14	Evaluation of a satellite-based global flood monitoring system. <i>International Journal of Remote Sensing</i> , 2010, 31, 3763-3782.	1.3	68
15	Evaluation and Bias Correction of Satellite-Based Rainfall Estimates for Modelling Flash Floods over the Mediterranean region: Application to Karpuz River Basin, Turkey. <i>Water (Switzerland)</i> , 2018, 10, 657.	1.2	41
16	Validation of a TRMM-based global Flood Detection System in Bangladesh. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2011, 13, 165-177.	1.4	28
17	MODEL CALIBRATION IN WATERSHED HYDROLOGY. , 2010, , 53-105.		16
18	Optimal Aquifer Dewatering Schemes for Excavation of Collector Line. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2002, 128, 248-261.	1.3	11

#	ARTICLE	IF	CITATIONS
19	Potential Impacts of Climate Change on Turkish Water Resources: A Review. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 105-114.	0.1	8
20	A Multi-Scale Approach for Improved Characterization of Surface Waterâ€™Groundwater Interactions: Integrating Thermal Remote Sensing and in-Stream Measurements. Water (Switzerland), 2018, 10, 854.	1.2	6
21	A multi-criteria penalty function approach for evaluating a priori model parameter estimates. Journal of Hydrology, 2015, 525, 165-177.	2.3	5
22	Impacts of Decreasing Recharge Rates on Sustainable Groundwater Management. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 43-50.	0.1	4
23	A multi-technique approach to determine temporal and spatial variability of groundwater-stream water exchange. Hydrological Processes, 2020, 34, 2612-2627.	1.1	2