

Ali Reza Massah Bavani

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,014
citations

623188

14
h-index

433756

31
g-index

36
all docs

36
docs citations

36
times ranked

1292
citing authors

#	ARTICLE	IF	CITATIONS
1	Water transfer as a solution to water shortage: A fix that can Backfire. <i>Journal of Hydrology</i> , 2013, 491, 23-39.	2.3	263
2	Climate change impacts on crop production in Iran's Zayandeh-Rud River Basin. <i>Science of the Total Environment</i> , 2013, 442, 405-419.	3.9	179
3	Influence of land use and land cover change on soil organic carbon and microbial activity in the forests of northern Iran. <i>Catena</i> , 2019, 177, 227-237.	2.2	71
4	Climate Change Impact on Flood Frequency and Source Area in Northern Iran under CMIP5 Scenarios. <i>Water (Switzerland)</i> , 2019, 11, 273.	1.2	61
5	System dynamics simulation of regional water supply and demand using a food-energy-water nexus approach: Application to Qazvin Plain, Iran. <i>Journal of Environmental Management</i> , 2021, 280, 111843.	3.8	60
6	Simulating soil organic carbon stock as affected by land cover change and climate change, Hyrcanian forests (northern Iran). <i>Science of the Total Environment</i> , 2017, 599-600, 1646-1657.	3.9	51
7	Climate change and health in Iran: a narrative review. <i>Journal of Environmental Health Science & Engineering</i> , 2020, 18, 367-378.	1.4	41
8	Adaptation of Water Resources System to Water Scarcity and Climate Change in the Suburb Area of Megacities. <i>Water Resources Management</i> , 2020, 34, 3855-3877.	1.9	36
9	Impacts of climate change on soybean production under different treatments of field experiments considering the uncertainty of general circulation models. <i>Agricultural Water Management</i> , 2018, 205, 63-71.	2.4	29
10	Applying the AOGCM-AR5 models to the assessments of land suitability for walnut cultivation in response to climate change: A case study of Iran. <i>PLoS ONE</i> , 2019, 14, e0218725.	1.1	20
11	Mitigating the Impacts of Climate Change on the Performance of Multi-Purpose Reservoirs by Changing the Operation Policy from SOP to MLDR. <i>Water Resources Management</i> , 2020, 34, 1495-1516.	1.9	20
12	Surface drainage nitrate loading estimate from agriculture fields and its relationship with landscape metrics in Tajan watershed. <i>Paddy and Water Environment</i> , 2017, 15, 541-552.	1.0	19
13	Setting research priorities to achieve long-term health targets in Iran. <i>Journal of Global Health</i> , 2018, 8, 020702.	1.2	19
14	Analysis of performance criteria and sustainability index in urban stormwater systems under the impacts of climate change. <i>Journal of Cleaner Production</i> , 2020, 271, 122727.	4.6	15
15	An evaluation of single-site statistical downscaling techniques in terms of indices of climate extremes for the Midwest of Iran. <i>Theoretical and Applied Climatology</i> , 2015, 120, 377-390.	1.3	13
16	Developing a framework for assessment of climate change impact on thermal stratification of dam reservoirs. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 2295-2310.	1.8	13
17	Attribution of temperature and precipitation changes to greenhouse gases in northwest Iran. <i>Quaternary International</i> , 2014, 345, 130-137.	0.7	12
18	Social Acceptability of Flood Management Strategies under Climate Change Using Contingent Valuation Method (CVM). <i>Sustainability</i> , 2019, 11, 5053.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Impact of climate change on the future quality of surface waters: case study of the Ardak River, northeast of Iran. <i>Journal of Water and Climate Change</i> , 2020, 11, 685-702.	1.2	11
20	A framework for developing a spatial high-resolution daily precipitation dataset over a data-sparse region. <i>Heliyon</i> , 2020, 6, e05091.	1.4	9
21	Improving adaptive capacity of social-ecological system of Tashk-Bakhtegan Lake basin to climate change effects – A methodology based on Post-Modern Portfolio Theory. <i>Ecohydrology and Hydrobiology</i> , 2018, 18, 365-378.	1.0	8
22	Simulating long-term effect of Hyrcanian forest loss on phosphorus loading at the sub-watershed level. <i>Journal of Arid Land</i> , 2018, 10, 457-469.	0.9	7
23	Uncertainty of climate change and its impact on reference evapotranspiration in Rasht City, Iran. <i>Journal of Water and Climate Change</i> , 2011, 2, 72-83.	1.2	6
24	A framework for the assessment of reservoir operation adaptation to climate change in an arid region. <i>International Journal of Global Warming</i> , 2016, 9, 286.	0.2	6
25	Evaluating gridded BIOME-BGC for simulating LAI at Kasilian watershed-Iran. , 2017, 1, 225-231.		6
26	Modeling impacts of climate and land use change on streamflow, nitrate, and ammonium in the Kor River, southwest of Iran. <i>Journal of Water and Climate Change</i> , 2019, 10, 818-834.	1.2	5
27	Probability assessment of climate change impacts on soil organic carbon stocks in future periods: a case study in Hyrcanian forests (Northern Iran). <i>European Journal of Forest Research</i> , 2020, 139, 1-16.	1.1	5
28	Improved multi-model ensemble forecasts of Iran's precipitation and temperature using a hybrid dynamical-statistical approach during fall and winter seasons. <i>International Journal of Climatology</i> , 2021, 41, 5698.	1.5	4
29	Calibration of the Aquacrop Model to Simulate Sugar Beet Production and Water Productivity under Different Treatments. <i>Applied Engineering in Agriculture</i> , 2019, 35, 211-219.	0.3	3
30	Exploration of potential adaptation strategies to climate change in the Zayandeh Rud irrigation system, Iran. <i>Irrigation and Drainage</i> , 2010, 59, 226-238.	0.8	2
31	Impacts of Climate Change on Low Flows at Tang Panj Sezar Subbasin, Southwest of Iran. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	2
32	Investigating the leaf area index changes in response to climate change (case study: Kasilian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	1.5	2
33	Effects of Projected Climate Change on Quantity and Quality of Soybean Yield under Different Emission Scenarios. <i>Current Science</i> , 2020, 118, 103.	0.4	2
34	Detection and attribution of climate change at regional scale: case study of Karkheh river basin in the west of Iran. <i>Theoretical and Applied Climatology</i> , 2017, 130, 1007-1020.	1.3	1