

# Edwin H Sutanudjaja

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4036236/publications.pdf>

Version: 2024-02-01

30  
papers

2,100  
citations

516710

16  
h-index

526287

27  
g-index

62  
all docs

62  
docs citations

62  
times ranked

2926  
citing authors

#	ARTICLE	IF	CITATIONS
1	Random forests-based error-correction of streamflow from a large-scale hydrological model: Using model state variables to estimate error terms. <i>Computers and Geosciences</i> , 2022, 159, 105019.	4.2	18
2	Climate change and CCS increase the water vulnerability of China's thermoelectric power fleet. <i>Energy</i> , 2022, 245, 123339.	8.8	16
3	Offshore fresh groundwater in coastal unconsolidated sediment systems as a potential fresh water source in the 21st century. <i>Environmental Research Letters</i> , 2022, 17, 014021.	5.2	8
4	Climate change impacts on water sustainability of South African crop production. <i>Environmental Research Letters</i> , 2022, 17, 084017.	5.2	8
5	Salinity impacts on irrigation water-scarcity in food bowl regions of the US and Australia. <i>Environmental Research Letters</i> , 2022, 17, 084002.	5.2	3
6	Accounting for Multisectoral Dynamics in Supporting Equitable Adaptation Planning: A Case Study on the Rice Agriculture in the Vietnam Mekong Delta. <i>Earth's Future</i> , 2021, 9, e2020EF001939.	6.3	11
7	Projections of salt intrusion in a mega-delta under climatic and anthropogenic stressors. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	6.8	37
8	Common irrigation drivers of freshwater salinisation in river basins worldwide. <i>Nature Communications</i> , 2021, 12, 4232.	12.8	63
9	Systemic change in the Rhine-Meuse basin: Quantifying and explaining parameters trends in the PCR-GLOBWB global hydrological model. <i>Advances in Water Resources</i> , 2021, 155, 104013.	3.8	5
10	Large-scale sensitivities of groundwater and surface water to groundwater withdrawal. <i>Hydrology and Earth System Sciences</i> , 2021, 25, 5859-5878.	4.9	5
11	Global to regional scale evaluation of adaptation measures to reduce the future water gap. <i>Environmental Modelling and Software</i> , 2020, 124, 104578.	4.5	13
12	Toward Global Stochastic River Flood Modeling. <i>Water Resources Research</i> , 2020, 56, e2020WR027692.	4.2	15
13	Global River Discharge and Floods in the Warmer Climate of the Last Interglacial. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089375.	4.0	18
14	Comparison of Groundwater Storage Changes From GRACE Satellites With Monitoring and Modeling of Major U.S. Aquifers. <i>Water Resources Research</i> , 2020, 56, e2020WR027556.	4.2	73
15	Long-term, non-anthropogenic groundwater storage changes simulated by three global-scale hydrological models. <i>Scientific Reports</i> , 2019, 9, 10746.	3.3	40
16	Environmental flow limits to global groundwater pumping. <i>Nature</i> , 2019, 574, 90-94.	27.8	360
17	Quantifying Regional Fresh Submarine Groundwater Discharge With the Lumped Modeling Approach CoCaâ€RFSGD. <i>Water Resources Research</i> , 2019, 55, 5321-5341.	4.2	8
18	Evaluation of Groundwater Storage Variations Estimated from GRACE Data Assimilation and State-of-the-Art Land Surface Models in Australia and the North China Plain. <i>Remote Sensing</i> , 2018, 10, 483.	4.0	45

#	ARTICLE	IF	CITATIONS
19	PCR-GLOBWBÂ2: a 5â€‰arcmin global hydrological and water resources model. Geoscientific Model Development, 2018, 11, 2429-2453.	3.6	307
20	A global-scale two-layer transient groundwater model: Development and application to groundwater depletion. Advances in Water Resources, 2017, 102, 53-67.	3.8	158
21	Toward seamless hydrologic predictions across spatial scales. Hydrology and Earth System Sciences, 2017, 21, 4323-4346.	4.9	81
22	Improving estimates of water resources in a semi-arid region by assimilating GRACE data into the PCR-GLOBWB hydrological model. Hydrology and Earth System Sciences, 2017, 21, 2053-2074.	4.9	47
23	Calibration of a large-scale hydrological model using satellite-based soil moisture and evapotranspiration products. Hydrology and Earth System Sciences, 2017, 21, 3125-3144.	4.9	128
24	Hydrological impacts of global land cover change and human water use. Hydrology and Earth System Sciences, 2017, 21, 5603-5626.	4.9	60
25	Improved large-scale hydrological modelling through the assimilation of streamflow and downscaled satellite soil moisture observations. Hydrology and Earth System Sciences, 2016, 20, 3059-3076.	4.9	46
26	The eWaterCycle project. , 2016, , .		0
27	Hyper-resolution global hydrological modelling: what is next?. Hydrological Processes, 2015, 29, 310-320.	2.6	280
28	A high-resolution global-scale groundwater model. Hydrology and Earth System Sciences, 2015, 19, 823-837.	4.9	141
29	Aqueduct 3.0: Updated Decision-Relevant Global Water Risk Indicators. , 0, , .		58
30	Towards a global land subsidence map. Proceedings of the International Association of Hydrological Sciences, 0, 372, 83-87.	1.0	11