Chun-Hsu Su

List of Publications by Year
in descending order

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		279798	254184
48	1,929	23	43
papers	citations	h-index	g-index

49	49	49	2527
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Temporal disaggregation of daily rainfall measurements using regional reanalysis for hydrological applications. Journal of Hydrology, 2022, 610, 127867.	5.4	5
2	Verification of moist surface variables over northern Australia in a high-resolution reanalysis (BARRA). Journal of Southern Hemisphere Earth Systems Science, 2021, 71, 194.	1.8	3
3	Homogenization of Structural Breaks in the Global ESA CCI Soil Moisture Multisatellite Climate Data Record. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 2845-2862.	6.3	41
4	BARRA v1.0: kilometre-scale downscaling of an Australian regional atmospheric reanalysis over four midlatitude domains. Geoscientific Model Development, 2021, 14, 4357-4378.	3.6	18
5	Ability of an Australian reanalysis dataset to characterise sub-daily precipitation. Hydrology and Earth System Sciences, 2020, 24, 2951-2962.	4.9	5
6	An evaluation of daily precipitation from a regional atmospheric reanalysis over Australia. Hydrology and Earth System Sciences, 2019, 23, 3387-3403.	4.9	31
7	BARRA v1.0: the Bureau of Meteorology Atmospheric high-resolution Regional Reanalysis for Australia. Geoscientific Model Development, 2019, 12, 2049-2068.	3.6	86
8	Assessment of the impact of spatial heterogeneity on microwave satellite soil moisture periodic error. Remote Sensing of Environment, 2018, 205, 85-99.	11.0	21
9	Near real time de-noising of satellite-based soil moisture retrievals: An intercomparison among three different techniques. Remote Sensing of Environment, 2017, 198, 17-29.	11.0	9
10	Towards hydrological model calibration using river level measurements. Journal of Hydrology: Regional Studies, 2017, 10, 95-109.	2.4	24
11	Does AMSR2 produce better soil moisture retrievals than AMSR-E over Australia?. Remote Sensing of Environment, 2017, 188, 95-105.	11.0	44
12	Rainfall estimation by inverting SMOS soil moisture estimates: A comparison of different methods over Australia. Journal of Geophysical Research D: Atmospheres, 2016, 121, 12,062.	3.3	59
13	Estimating error crossâ€correlations in soil moisture data sets using extended collocation analysis. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1208-1219.	3.3	80
14	On the structural limitations of recursive digital filters for base flow estimation. Water Resources Research, 2016, 52, 4745-4764.	4.2	20
15	A synthetic study to evaluate the utility of hydrological signatures for calibrating a base flow separation filter. Water Resources Research, 2016, 52, 6526-6540.	4.2	13
16	Disaggregation of Low-Resolution L-Band Radiometry Using C-Band Radar Data. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1425-1429.	3.1	15
17	Homogeneity of a global multisatellite soil moisture climate data record. Geophysical Research Letters, 2016, 43, 11,245.	4.0	18
18	The Impact of Quadratic Nonlinear Relations between Soil Moisture Products on Uncertainty Estimates from Triple Collocation Analysis and Two Quadratic Extensions. Journal of Hydrometeorology, 2016, 17, 1725-1743.	1.9	9

#	Article	IF	Citations
19	Error decomposition of nine passive and active microwave satellite soil moisture data sets over Australia. Remote Sensing of Environment, 2016, 182, 128-140.	11.0	22
20	Dual assimilation of satellite soil moisture to improve streamflow prediction in dataâ€scarce catchments. Water Resources Research, 2016, 52, 5357-5375.	4.2	49
21	Optimal averaging of soil moisture predictions from ensemble land surface model simulations. Water Resources Research, 2015, 51, 9273-9289.	4.2	23
22	An evaluation and regional error modeling methodology for near-real-time satellite rainfall data over Australia. Journal of Geophysical Research D: Atmospheres, 2015, 120, 10,767-10,783.	3.3	25
23	Multi-scale analysis of bias correction of soil moisture. Hydrology and Earth System Sciences, 2015, 19, 17-31.	4.9	44
24	Improving operational flood ensemble prediction by the assimilation of satellite soil moisture: comparison between lumped and semi-distributed schemes. Hydrology and Earth System Sciences, 2015, 19, 1659-1676.	4.9	98
25	Evaluation of post-retrieval de-noising of active and passive microwave satellite soil moisture. Remote Sensing of Environment, 2015, 163, 127-139.	11.0	21
26	SMOS soil moisture retrievals using the land parameter retrieval model: Evaluation over the Murrumbidgee Catchment, southeast Australia. Remote Sensing of Environment, 2015, 163, 70-79.	11.0	40
27	Negative refraction of excitations in the Bose-Hubbard model. Physical Review A, 2014, 90, .	2.5	5
28	Clarifications on the â€œComparison Between SMOS, VUA, ASCAT, and ECMWF Soil Moisture Products Over Four Watersheds in U.S.â€• IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1901-1906.	6.3	35
29	Stand-alone error characterisation of microwave satellite soil moisture using a Fourier method. Remote Sensing of Environment, 2014, 154, 115-126.	11.0	32
30	Beyond triple collocation: Applications to soil moisture monitoring. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6419-6439.	3.3	97
31	Inter-comparison of microwave satellite soil moisture retrievals over the Murrumbidgee Basin, southeast Australia. Remote Sensing of Environment, 2013, 134, 1-11.	11.0	112
32	Deâ€noising of passive and active microwave satellite soil moisture time series. Geophysical Research Letters, 2013, 40, 3624-3630.	4.0	24
33	Transformation optics for cavity array metamaterials. Optics Express, 2013, 21, 5575.	3.4	5
34	Domain structures in quantum graphity. Physical Review D, 2012, 86, .	4.7	5
35	Engineering electromagnetic metamaterials from coupled cavity arrays. , 2011, , .		0
36	Coupling slot-waveguide cavities for large-scale quantum optical devices. Optics Express, 2011, 19, 6354.	3.4	1

#	Article	IF	Citations
37	Reconfigurable quantum metamaterials. Optics Express, 2011, 19, 11018.	3.4	45
38	Diamond-based single-photon emitters. Reports on Progress in Physics, 2011, 74, 076501.	20.1	462
39	Accessing diamond waveguides and future applications. , 2010, , .		3
40	Impurities in diamond: a new revival for quantum optics. , 2010, , .		2
41	Pulse shaping by coupled cavities: Single photons and qudits. Physical Review A, 2009, 80, .	2.5	12
42	Slot-waveguide cavities for optical quantum information applications. Optics Express, 2009, 17, 7295.	3.4	34
43	High-performance diamond-based single-photon sources for quantum communication. Physical Review A, 2009, 80, .	2.5	34
44	Band structure, phase transitions, and semiconductor analogs in one-dimensional solid light systems. Physical Review A, 2009, 80, .	2.5	28
45	Towards a picosecond transform-limited nitrogen-vacancy based single photon source. Optics Express, 2008, 16, 6240.	3.4	76
46	Cavity enhancement of a Nitrogen-Vacancy-based single photon source. , 2008, , .		0
47	High-speed quantum gates with cavity quantum electrodynamics. Physical Review A, 2008, 78, .	2.5	42
48	Characterization ofKÎ±spectral profiles for vanadium, component redetermination for scandium, titanium, chromium, and manganese, and development of satellite structure forZ=21toZ=25. Physical Review A, 2006, 73, .	2.5	51