

Kay Suselj

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

925
citations

687363

13
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

1072
citing authors

#	ARTICLE	IF	CITATIONS
1	A Global View on the Wind Sea and Swell Climate and Variability from ERA-40. <i>Journal of Climate</i> , 2011, 24, 1461-1479.	3.2	366
2	A Unified Model for Moist Convective Boundary Layers Based on a Stochastic Eddy-Diffusivity/Mass-Flux Parameterization. <i>Journals of the Atmospheric Sciences</i> , 2013, 70, 1929-1953.	1.7	98
3	Precipitation forecasts and their uncertainty as input into hydrological models. <i>Hydrology and Earth System Sciences</i> , 2005, 9, 322-332.	4.9	69
4	Eddy Diffusivity/Mass Flux and Shallow Cumulus Boundary Layer: An Updraft PDF Multiple Mass Flux Scheme. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 1513-1533.	1.7	52
5	Implementation of a Stochastic Eddy-Diffusivity/Mass-Flux Parameterization into the Navy Global Environmental Model. <i>Weather and Forecasting</i> , 2014, 29, 1374-1390.	1.4	38
6	Shallow Cumulus in WRF Parameterizations Evaluated against LASSO Large-Eddy Simulations. <i>Monthly Weather Review</i> , 2018, 146, 4303-4322.	1.4	36
7	A Unified Eddy-Diffusivity/Mass-Flux Approach for Modeling Atmospheric Convection. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 2505-2537.	1.7	36
8	Shallow-to-Deep Transition of Continental Moist Convection: Cold Pools, Surface Fluxes, and Mesoscale Organization. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 4071-4090.	1.7	35
9	Improving the Mellor–Yamada–Janjić Parameterization for wind conditions in the marine planetary boundary layer. <i>Boundary-Layer Meteorology</i> , 2010, 136, 301-324.	2.3	31
10	On the Factors Controlling the Development of Shallow Convection in Eddy-Diffusivity/Mass-Flux Models. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 433-456.	1.7	22
11	North Sea near-surface wind climate and its relation to the large-scale circulation patterns. <i>Theoretical and Applied Climatology</i> , 2010, 99, 403-419.	2.8	20
12	On the Parameterization of Convective Downdrafts for Marine Stratocumulus Clouds. <i>Monthly Weather Review</i> , 2020, 148, 1931-1950.	1.4	15
13	On the Dependence of Cloud Feedbacks on Physical Parameterizations in WRF Aquaplanet Simulations. <i>Geophysical Research Letters</i> , 2017, 44, 10,762.	4.0	14
14	Is Shallow Convection Sensitive to Environmental Heterogeneities?. <i>Geophysical Research Letters</i> , 2019, 46, 1785-1793.	4.0	13
15	Atmospheric parameters in a subtropical cloud regime transition derived by AIRS and MODIS: observed statistical variability compared to ERA-Interim. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3573-3587.	4.9	11
16	Transitions of cloud-topped marine boundary layers characterized by AIRS, MODIS, and a large eddy simulation model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8598-8611.	3.3	9
17	Parameterization Interactions in Global Aquaplanet Simulations. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 403-420.	3.8	9
18	Is the Mediterranean Sea surface height variability predictable?. <i>Physics and Chemistry of the Earth</i> , 2008, 33, 225-238.	2.9	8

#	ARTICLE	IF	CITATIONS
19	Towards Unifying the Planetary Boundary Layer and Shallow Convection in CAM5 with the Eddy-Diffusivity/Mass-Flux Approach. <i>Atmosphere</i> , 2019, 10, 484.	2.3	7
20	A New Methodology for Observation-Based Parameterization Development. <i>Monthly Weather Review</i> , 2020, 148, 4159-4184.	1.4	7
21	A Novel Framework for Evaluating and Improving Parameterized Subtropical Marine Boundary Layer Cloudiness. <i>Monthly Weather Review</i> , 2019, 147, 3241-3260.	1.4	6
22	Improving the Representation of Subtropical Boundary Layer Clouds in the NASA GEOS Model with the Eddy-Diffusivity/Mass-Flux Parameterization. <i>Monthly Weather Review</i> , 2021, 149, 793-809.	1.4	6
23	Coupling Warm Rain With an Eddy Diffusivity/Mass Flux Parameterization: 1. Model Description and Validation. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	6
24	The Strong Impact of Weak Horizontal Convergence on Continental Shallow Convection. <i>Journals of the Atmospheric Sciences</i> , 2020, 77, 3119-3137.	1.7	5
25	Coupling Warm Rain With an Eddy Diffusivity/Mass Flux Parameterization: 2. Sensitivities and Comparison to Observations. <i>Journal of Advances in Modeling Earth Systems</i> , 2022, 14, .	3.8	4
26	Analysis of collocated AIRS and MODIS data: a global investigation of correlations between clouds and atmosphere in 2004–2012. <i>International Journal of Remote Sensing</i> , 2016, 37, 2524-2540.	2.9	2
27	Analyses of Shallow Convection over the Amazon Coastal Region Using Satellite Images, Data Observations and Modeling. <i>Revista Brasileira De Meteorologia</i> , 2018, 33, 366-379.	0.5	0