Gerard Kilroy

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6817099/publications.pdf

Version: 2024-02-01

23	486	567281	677142
papers	citations	15 h-index	22 g-index

24	24	24	230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Why Do Model Tropical Cyclones Grow Progressively in Size and Decay in Intensity after Reaching Maturity?. Journals of the Atmospheric Sciences, 2016, 73, 487-503.	1.7	77
2	A numerical study of rotating convection during tropical cyclogenesis. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 1255-1269.	2.7	49
3	Why Do Model Tropical Cyclones Intensify More Rapidly at Low Latitudes?. Journals of the Atmospheric Sciences, 2015, 72, 1783-1804.	1.7	41
4	A unified view of tropical cyclogenesis and intensification. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 450-462.	2.7	36
5	Dependence of tropical cyclone intensification rate on seaâ€surface temperature. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1618-1627.	2.7	34
6	The role of boundaryâ€layer friction on tropical cyclogenesis and subsequent intensification. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 2524-2536.	2.7	24
7	A caseâ€study of a monsoon low that formed over the sea and intensified over land as seen in ECMWF analyses. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 2244-2255.	2.7	22
8	The effects of initial vortex size on tropical cyclogenesis and intensification. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 2832-2845.	2.7	22
9	Recent advances in research on tropical cyclogenesis. Tropical Cyclone Research and Review, 2020, 9, 87-105.	2.2	19
10	Tropical convection: the effects of ambient vertical and horizontal vorticity. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 1756-1770.	2.7	18
11	Tropical cyclone life cycle in a threeâ€dimensional numerical simulation. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 3373-3393.	2.7	18
12	Tropical cyclone convection: the effects of a vortex boundaryâ€layer wind profile on deep convection. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 714-726.	2.7	17
13	The role of heating and cooling associated with ice processes on tropical cyclogenesis and intensification. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 99-114.	2.7	17
14	A numerical study of deep convection in tropical cyclones. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 3138-3151.	2.7	16
15	Contribution of mean and eddy momentum processes to tropical cyclone intensification. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 3101-3117.	2.7	16
16	Tropical low formation during the Australian monsoon: the events of January 2013 (paper updated July) Tj ETQq0 0 0 rgBT /Overlock 10	0.4	16
17	Tropical cyclogenesis at and near the Equator. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 1846-1864.	2.7	10
18	Tropical low formation and intensification over land as seen in ECMWF analyses. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 772-784.	2.7	9

#	Article	IF	Citations
19	An idealized numerical study of tropical cyclogenesis and evolution at the Equator. Quarterly Journal of the Royal Meteorological Society, 2020, 146, 685-699.	2.7	8
20	The generation of kinetic energy in tropical cyclones revisited. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 2481-2490.	2.7	7
21	Control of Convection in Highâ€Resolution Simulations of Tropical Cyclogenesis. Journal of Advances in Modeling Earth Systems, 2019, 11, 1582-1599.	3.8	6
22	Evolution of convective characteristics during tropical cyclogenesis. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 2103-2123.	2.7	4
23	Corrigendum to: The role of boundary-layer friction on tropical cyclogenesis and subsequent intensification. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 941-941.	2.7	0