

Gerard Kilroy

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

486
citations

567281

15
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

230
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of convective characteristics during tropical cyclogenesis. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 2103-2123.	2.7	4
2	Tropical cyclone life cycle in a three-dimensional numerical simulation. Quarterly Journal of the Royal Meteorological Society, 2021, 147, 3373-3393.	2.7	18
3	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
4	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
5	Recent advances in research on tropical cyclogenesis. Tropical Cyclone Research and Review, 2020, 9, 87-105.	2.2	19
6	Control of Convection in High-Resolution Simulations of Tropical Cyclogenesis. Journal of Advances in Modeling Earth Systems, 2019, 11, 1582-1599.	3.8	6
7	Tropical cyclogenesis at and near the Equator. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 1846-1864.	2.7	10
8	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
9	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
10	The generation of kinetic energy in tropical cyclones revisited. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 2481-2490.	2.7	7
11	A unified view of tropical cyclogenesis and intensification. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 450-462.	2.7	36
12	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
13	The role of boundary-layer friction on tropical cyclogenesis and subsequent intensification. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 2524-2536.	2.7	24
14	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
15	Dependence of tropical cyclone intensification rate on sea-surface temperature. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1618-1627.	2.7	34
16	A numerical study of deep convection in tropical cyclones. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 3138-3151.	2.7	16
17	A case-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
18	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

#	ARTICLE	IF	CITATIONS
19	Tropical cyclone convection: the effects of a vortex boundary layer wind profile on deep convection. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 714-726.	2.7	17
20	Why Do Model Tropical Cyclones Intensify More Rapidly at Low Latitudes?. Journals of the Atmospheric Sciences, 2015, 72, 1783-1804.	1.7	41
21	Tropical low formation during the Australian monsoon: the events of January 2013 (paper updated July) Tj ETQq1 1 0.784314 rgBT /Otel	0.4	16
22	Tropical convection: the effects of ambient vertical and horizontal vorticity. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 1756-1770.	2.7	18
23	A numerical study of rotating convection during tropical cyclogenesis. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 1255-1269.	2.7	49