

Roger K Smith

List of Publications by Year in descending order

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142
papers

4,851
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81900

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144
all docs

144
docs citations

144
times ranked

1484
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The surface boundary layer of a hurricane. <i>Tellus</i> , 2022, 20, 473. | 0.8 | 69 |
| 2 | Response of a tropical cyclone to a subsurface ocean eddy and the role of boundary layer dynamics. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2022, 148, 378-402. | 2.7 | 4 |
| 3 | Effective buoyancy and CAPE: Some implications for tropical cyclones. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2022, 148, 2118-2131. | 2.7 | 7 |
| 4 | Minimal conceptual models for tropical cyclone intensification. <i>Tropical Cyclone Research and Review</i> , 2022, 11, 61-75. | 2.2 | 4 |
| 5 | The generalized Ekman model for the tropical cyclone boundary layer revisited: Addendum. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 1471-1476. | 2.7 | 6 |
| 6 | Solutions of the Eliassen balance equation for inertially and/or symmetrically stable and unstable vortices. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 2760-2771. | 2.7 | 1 |
| 7 | Tropical cyclone life cycle in a three-dimensional numerical simulation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 3373-3393. | 2.7 | 18 |
| 8 | Upper-level trajectories in the prototype problem for tropical cyclone intensification. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 2978-2987. | 2.7 | 1 |
| 9 | An idealized numerical study of tropical cyclogenesis and evolution at the Equator. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 685-699. | 2.7 | 8 |
| 10 | Contribution of mean and eddy momentum processes to tropical cyclone intensification. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 3101-3117. | 2.7 | 16 |
| 11 | The generalized Ekman model for the tropical cyclone boundary layer revisited: The myth of inertial stability as a restoring force. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 3435-3449. | 2.7 | 8 |
| 12 | Upper-tropospheric inflow layers in tropical cyclones. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 3466-3487. | 2.7 | 16 |
| 13 | A case study of a tropical low over northern Australia. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 1702-1718. | 2.7 | 4 |
| 14 | Comments on "An Evaluation of Hurricane Superintensity in Axisymmetric Numerical Models". <i>Journals of the Atmospheric Sciences</i> , 2020, 77, 1887-1892. | 1.7 | 8 |
| 15 | Consequences of regularizing the Sawyer-Eliassen equation in balance models for tropical cyclone behaviour. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 3766-3779. | 2.7 | 11 |
| 16 | Quasi steady-state hurricanes revisited. <i>Tropical Cyclone Research and Review</i> , 2019, 8, 1-17. | 2.2 | 6 |
| 17 | Toward Understanding the Dynamics of Spinup in Emanuel's Tropical Cyclone Model. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 3089-3093. | 1.7 | 7 |
| 18 | On the hypothesized outflow control of tropical cyclone intensification. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 1309-1322. | 2.7 | 12 |

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| 19 | Tropical cyclogenesis at and near the Equator. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 1846-1864. | 2.7 | 10 |
| 20 | Azimuthally averaged structure of Hurricane <i>Edouard</i> (2014) just after peak intensity. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 211-216. | 2.7 | 5 |
| 21 | 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 |
| 22 | Axisymmetric Balance Dynamics of Tropical Cyclone Intensification and Its Breakdown Revisited. Journals of the Atmospheric Sciences, 2018, 75, 3169-3189. | 1.7 | 20 |
| 23 | The generation of kinetic energy in tropical cyclones revisited. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 2481-2490. | 2.7 | 7 |
| 24 | Comments on "Revisiting the Balanced and Unbalanced Aspects of Tropical Cyclone Intensification". Journals of the Atmospheric Sciences, 2018, 75, 2491-2496. | 1.7 | 14 |
| 25 | Axisymmetric balance dynamics of tropical cyclone intensification: Diabatic heating versus surface friction. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 2350-2357. | 2.7 | 13 |
| 26 | Mean radiosonde soundings for the Australian monsoon/cyclone season. International Journal of Climatology, 2017, 37, 66-78. | 3.5 | 2 |
| 27 | Recent Developments in the Fluid Dynamics of Tropical Cyclones. Annual Review of Fluid Mechanics, 2017, 49, 541-574. | 25.0 | 126 |
| 28 | A unified view of tropical cyclogenesis and intensification. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 450-462. | 2.7 | 36 |
| 29 | The dynamics of intensification in a Hurricane Weather Research and Forecasting simulation of Hurricane <i>Earl</i> (2010). Quarterly Journal of the Royal Meteorological Society, 2017, 143, 293-308. | 2.7 | 45 |
| 30 | Southerly nocturnal bores over northeastern Australia. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 395-407. | 2.7 | 0 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | On the Applicability of Linear, Axisymmetric Dynamics in Intensifying and Mature Tropical Cyclones. Fluids, 2017, 2, 69. | 1.7 | 9 |
| 35 | Numerical study of the spinup of a tropical low over land during the Australian monsoon. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 2021-2032. | 2.7 | 12 |
| 36 | Tropical cyclone evolution in a minimal axisymmetric model revisited. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1505-1516. | 2.7 | 19 |

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|----|--|-----|-----------|
| 37 | The efficiency of diabatic heating and tropical cyclone intensification. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 2081-2086. | 2.7 | 58 |
| 38 | Dependence of tropical cyclone intensification rate on sea surface temperature. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1618-1627. | 2.7 | 34 |
| 39 | Comments on "Nonlinear Response of a Tropical Cyclone Vortex to Prescribed Eyewall Heating with and without Surface Friction in TCM4: Implications for Tropical Cyclone Intensification". Journals of the Atmospheric Sciences, 2016, 73, 5101-5103. | 1.7 | 10 |
| 40 | Understanding hurricanes. Weather, 2016, 71, 219-223. | 0.7 | 21 |
| 41 | A numerical study of deep convection in tropical cyclones. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 3138-3151. | 2.7 | 16 |
| 42 | 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 |
| 43 | 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 |
| 44 | Tropical cyclone flow asymmetries induced by a uniform flow revisited. Journal of Advances in Modeling Earth Systems, 2015, 7, 1265-1284. | 3.8 | 14 |
| 45 | 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 |
| 46 | Why Do Model Tropical Cyclones Intensify More Rapidly at Low Latitudes?. Journals of the Atmospheric Sciences, 2015, 72, 1783-1804. | 1.7 | 41 |
| 47 | Toward Clarity on Understanding Tropical Cyclone Intensification. Journals of the Atmospheric Sciences, 2015, 72, 3020-3031. | 1.7 | 70 |
| 48 | Putting to rest "WISHE"ful misconceptions for tropical cyclone intensification. Journal of Advances in Modeling Earth Systems, 2015, 7, 92-109. | 3.8 | 41 |
| 49 | Tropical convection: the effects of ambient vertical and horizontal vorticity. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 1756-1770. | 2.7 | 18 |
| 50 | Comments on "How Does the Boundary Layer Contribute to Eyewall Replacement Cycles in Axisymmetric Tropical Cyclones?". Journals of the Atmospheric Sciences, 2014, 71, 4682-4691. | 1.7 | 19 |
| 51 | An Observational Study of Tropical Cyclone Spinup in Supertyphoon Jangmi (2008) from 24 to 27 September. Monthly Weather Review, 2014, 142, 3-28. | 1.4 | 52 |
| 52 | On the existence of the logarithmic surface layer in the inner core of hurricanes. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 72-81. | 2.7 | 26 |
| 53 | Sensitivity of tropical cyclone intensification to perturbations in the surface drag coefficient. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 407-415. | 2.7 | 10 |
| 54 | On steady-state tropical cyclones. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 2638-2649. | 2.7 | 33 |

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| 55 | Sensitivity of tropical cyclone models to the surface drag coefficient in different boundary layer schemes. Quarterly Journal of the Royal Meteorological Society, 2014, 140, 792-804. | 2.7 | 35 |
| 56 | Comments on "Symmetric and Asymmetric Structures of Hurricane Boundary Layer in Coupled Atmosphere-Wave-Ocean Models and Observations". Journals of the Atmospheric Sciences, 2014, 71, 2782-2785. | 1.7 | 4 |
| 57 | An analysis of the observed low-level structure of rapidly intensifying and mature hurricane Earl (2010). Quarterly Journal of the Royal Meteorological Society, 2014, 140, 2132-2146. | 2.7 | 75 |
| 58 | How important is the isothermal expansion effect in elevating equivalent potential temperature in the hurricane inner core?. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 70-74. | 2.7 | 10 |
| 59 | A numerical study of rotating convection during tropical cyclogenesis. Quarterly Journal of the Royal Meteorological Society, 2013, 139, 1255-1269. | 2.7 | 49 |
| 60 | Asymmetric and axisymmetric dynamics of tropical cyclones. Atmospheric Chemistry and Physics, 2013, 13, 12299-12341. | 4.9 | 110 |
| 61 | The Pre-Depression Investigation of Cloud-Systems in the Tropics (PREDICT) Experiment: Scientific Basis, New Analysis Tools, and Some First Results. Bulletin of the American Meteorological Society, 2012, 93, 153-172. | 3.3 | 139 |
| 62 | The genesis of Typhoon Nuri as observed during the Tropical Cyclone Structure 2008 (TCS08) field experiment "Part 2: Observations of the convective environment. Atmospheric Chemistry and Physics, 2012, 12, 4001-4009. | 4.9 | 25 |
| 63 | Observations of the convective environment in developing and non-developing tropical disturbances. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1721-1739. | 2.7 | 69 |
| 64 | The dynamics of heat lows over elevated terrain. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 250-263. | 2.7 | 11 |
| 65 | Tropical cyclone convection: the effects of ambient vertical vorticity. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 845-857. | 2.7 | 38 |
| 66 | Inner-core vacillation cycles during the intensification of Hurricane Katrina. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 829-844. | 2.7 | 53 |
| 67 | An investigation of rotational influences on tropical cyclone size and intensity. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 1841-1855. | 2.7 | 42 |
| 68 | On an analytical model for the rapid intensification of tropical cyclones. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 549-551. | 2.7 | 3 |
| 69 | Hurricane boundary-layer theory. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 1665-1670. | 2.7 | 95 |
| 70 | Dependence of tropical-cyclone intensification on the boundary-layer representation in a numerical model. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 1671-1685. | 2.7 | 112 |
| 71 | The formation of a multicell thunderstorm behind a sea breeze front. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 2176-2188. | 2.7 | 4 |
| 72 | Sensitivity of tropical cyclone models to the surface drag coefficient. Quarterly Journal of the Royal Meteorological Society, 2010, 136, 1945-1953. | 2.7 | 78 |

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| 73 | The diurnal evolution of cold fronts in the Australian subtropics. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 395-411. | 2.7 | 18 |
| 74 | Limitations of a linear model for the hurricane boundary layer. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 839-850. | 2.7 | 32 |
| 75 | Tropical cyclone spinâ€p revisited. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1321-1335. | 2.7 | 273 |
| 76 | Do tropical cyclones intensify by WISHE?. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1697-1714. | 2.7 | 116 |
| 77 | Balanced and unbalanced aspects of tropical cyclone intensification. Quarterly Journal of the Royal Meteorological Society, 2009, 135, 1715-1731. | 2.7 | 124 |
| 78 | A simple model of the hurricane boundary layer revisited. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 337-351. | 2.7 | 74 |
| 79 | Tropicalâ€cyclone intensification and predictability in three dimensions. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 563-582. | 2.7 | 228 |
| 80 | A critique of Emanuel's hurricane model and potential intensity theory. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 551-561. | 2.7 | 123 |
| 81 | Balanced boundary layers used in hurricane models. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 1385-1395. | 2.7 | 71 |
| 82 | Tropicalâ€cyclone intensification and predictability in a minimal threeâ€dimensional model. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 1661-1671. | 2.7 | 34 |
| 83 | The dynamics of heat lows over flat terrain. Quarterly Journal of the Royal Meteorological Society, 2008, 134, 2157-2172. | 2.7 | 18 |
| 84 | The Importance of the Boundary Layer Parameterization in the Prediction of Low-Level Convergence Lines. Monthly Weather Review, 2008, 136, 2173-2185. | 1.4 | 9 |
| 85 | MesoLAPS Predictions of Low-Level Convergence Lines over Northeastern Australia. Weather and Forecasting, 2007, 22, 910-927. | 1.4 | 7 |
| 86 | Low-Level Convergence Lines over Northeastern Australia. Part I: The North Australian Cloud Line. Monthly Weather Review, 2006, 134, 3092-3108. | 1.4 | 13 |
| 87 | Accurate determination of a balanced axisymmetric vortex in a compressible atmosphere. Tellus, Series A: Dynamic Meteorology and Oceanography, 2006, 58, 98-103. | 1.7 | 46 |
| 88 | Simulations of low-level convergence lines over north-eastern Australia. Quarterly Journal of the Royal Meteorological Society, 2006, 132, 691-707. | 2.7 | 15 |
| 89 | Low-Level Convergence Lines over Northeastern Australia. Part II: Southerly Disturbances. Monthly Weather Review, 2006, 134, 3109-3124. | 1.4 | 13 |
| 90 | The dynamics of heat lows in simple background flows. Quarterly Journal of the Royal Meteorological Society, 2005, 131, 3147-3165. | 2.7 | 21 |

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| 91 | Buoyancy in tropical cyclones and other rapidly rotating atmospheric vortices. Dynamics of Atmospheres and Oceans, 2005, 40, 189-208. | 1.8 | 63 |
| 92 | Ocean Effects on Tropical Cyclone Intensification and Inner-Core Asymmetries. Journals of the Atmospheric Sciences, 2004, 61, 1245-1258. | 1.7 | 37 |
| 93 | Terrain influences on the dynamics of heat lows. Quarterly Journal of the Royal Meteorological Society, 2003, 129, 1779-1793. | 2.7 | 3 |
| 94 | A simple model of the hurricane boundary layer. Quarterly Journal of the Royal Meteorological Society, 2003, 129, 1007-1027. | 2.7 | 63 |
| 95 | Effects of vertical differencing in a minimal hurricane model. Quarterly Journal of the Royal Meteorological Society, 2003, 129, 1051-1069. | 2.7 | 13 |
| 96 | The Importance of Three Physical Processes in a Minimal Three-Dimensional Tropical Cyclone Model. Journals of the Atmospheric Sciences, 2002, 59, 1825-1840. | 1.7 | 18 |
| 97 | A minimal axisymmetric hurricane model. Quarterly Journal of the Royal Meteorological Society, 2002, 128, 2641-2661. | 2.7 | 22 |
| 98 | Comparison of an axisymmetric hurricane model with the corresponding slab-symmetric ITCZ model. Quarterly Journal of the Royal Meteorological Society, 2002, 128, 2335-2347. | 2.7 | 2 |
| 99 | A Minimal Three-Dimensional Tropical Cyclone Model. Journals of the Atmospheric Sciences, 2001, 58, 1924-1944. | 1.7 | 30 |
| 100 | The role of cumulus convection in hurricanes and its representation in hurricane models. Reviews of Geophysics, 2000, 38, 465-489. | 23.0 | 61 |
| 101 | The dynamics of heat lows. Quarterly Journal of the Royal Meteorological Society, 1999, 125, 225-252. | 2.7 | 110 |
| 102 | Central Australian Cold Fronts. Monthly Weather Review, 1995, 123, 16-38. | 1.4 | 68 |
| 103 | The development of potential vorticity in a hurricane-like vortex. Quarterly Journal of the Royal Meteorological Society, 1994, 120, 1255-1265. | 2.7 | 35 |
| 104 | Vortex motion in relation to the absolute vorticity gradient of the vortex environment. Quarterly Journal of the Royal Meteorological Society, 1993, 119, 207-215. | 2.7 | 10 |
| 105 | A Simple Model of the Australian West Coast Trough. Monthly Weather Review, 1992, 120, 2042-2055. | 1.4 | 24 |
| 106 | An Analytical Theory of Tropical Cyclone Motion Using a Barotropic Model. Journals of the Atmospheric Sciences, 1990, 47, 1973-1986. | 1.7 | 47 |
| 107 | A numerical study of tropical cyclone motion using a barotropic model. I: The role of vortex asymmetries. Quarterly Journal of the Royal Meteorological Society, 1990, 116, 337-362. | 2.7 | 79 |
| 108 | Meso-scale surface wind changes associated with the passage of cold fronts along the eastern side of the Southern Alps, New Zealand. Meteorology and Atmospheric Physics, 1990, 42, 133-143. | 2.0 | 12 |

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| 109 | Structure and Evolution of North Australian Cloud Lines Observed during AMEX Phase I. Monthly Weather Review, 1989, 117, 1181-1192. | 1.4 | 9 |
| 110 | A DRY COLDâ€”FRONT OVER SOUTHERN BAVARIA. Weather, 1988, 43, 255-261. | 0.7 | 10 |
| 111 | On the Movement and Low-Level Structure of Cold Fronts. Monthly Weather Review, 1988, 116, 1927-1944. | 1.4 | 108 |
| 112 | A comparative study of atmospheric and laboratoryâ€”analogue numerical tornadoâ€”vortex models. Quarterly Journal of the Royal Meteorological Society, 1988, 114, 801-822. | 2.7 | 37 |
| 113 | A comparative study of atmospheric and laboratory-analogue numerical tornado-vortex models. Quarterly Journal of the Royal Meteorological Society, 1988, 114, 801-822. | 2.7 | 11 |
| 114 | Southerly Nocturnal Wind Surges and Bores in Northeastern Australia. Monthly Weather Review, 1986, 114, 1501-1518. | 1.4 | 20 |
| 115 | A comparison between frontogenesis in the two-dimensional Eady model of baroclinic instability and summertime cold fronts in the Australian region. Quarterly Journal of the Royal Meteorological Society, 1986, 112, 293-313. | 2.7 | 11 |
| 116 | Orographically-forced cold fronts ? Mean structure and motion. Boundary-Layer Meteorology, 1985, 32, 57-83. | 2.3 | 15 |
| 117 | Linear and weakly nonlinear internal wave theories applied to â€œmorning gloryâ€”waves. Geophysical and Astrophysical Fluid Dynamics, 1985, 33, 123-143. | 1.2 | 11 |
| 118 | Numerical simulations of tornado-like vortices. Part I: Vortex evolution. Geophysical and Astrophysical Fluid Dynamics, 1983, 27, 253-284. | 1.2 | 10 |
| 119 | Numerical simulations of tornado-like vortices. Part II: Two cell vortices. Geophysical and Astrophysical Fluid Dynamics, 1983, 27, 285-298. | 1.2 | 5 |
| 120 | The Morning Glory: An extraordinary atmospheric undular bore. Quarterly Journal of the Royal Meteorological Society, 1982, 108, 937-956. | 2.7 | 56 |
| 121 | The Morning Glory: an extraordinary atmospheric undular bore. Quarterly Journal of the Royal Meteorological Society, 1982, 108, 937-956. | 2.7 | 1 |
| 122 | The Cyclostrophic Adjustment of Vortices with Application to Tropical Cyclone Modification. Journals of the Atmospheric Sciences, 1981, 38, 2021-2030. | 1.7 | 24 |
| 123 | THE 1979 MORNING GLORY EXPEDITION. Weather, 1981, 36, 130-136. | 0.7 | 8 |
| 124 | The Morning Glory of the Gulf of Carpentaria: An Atmospheric Undular Bore. Monthly Weather Review, 1981, 109, 1726-1750. | 1.4 | 139 |
| 125 | Tropical Cyclone Eye Dynamics. Journals of the Atmospheric Sciences, 1980, 37, 1227-1232. | 1.7 | 62 |
| 126 | A numerical study of tornadogenesis in a rotating thunderstorm. Quarterly Journal of the Royal Meteorological Society, 1979, 105, 107-127. | 2.7 | 26 |

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| 127 | Comment on the paper entitled "Tornadogenesis" by R. K. Smith and L. M. Leslie (Q.J., 104, 189-199). Quarterly Journal of the Royal Meteorological Society, 1979, 105, 310-313. | 2.7 | 1 |
| 128 | A numerical study of tornadogenesis in a rotating thunderstorm. Quarterly Journal of the Royal Meteorological Society, 1979, 105, 107-127. | 2.7 | 1 |
| 129 | Tornadogenesis. Quarterly Journal of the Royal Meteorological Society, 1978, 104, 189-198. | 2.7 | 32 |
| 130 | Tornadogenesis. Quarterly Journal of the Royal Meteorological Society, 1978, 104, 189-198. | 2.7 | 1 |
| 131 | On a theory of amplitude vacillation in baroclinic waves. Journal of Fluid Mechanics, 1977, 79, 289-306. | 3.4 | 11 |
| 132 | On the choice of radial boundary conditions for numerical models of sub-synoptic vortex flows in the atmosphere, with application to dust devils. Quarterly Journal of the Royal Meteorological Society, 1977, 103, 499-510. | 2.7 | 8 |
| 133 | Tornado forum. Nature, 1976, 260, 457-458. | 27.8 | 4 |
| 134 | Thermally driven vortices: A numerical study with application to dust-devil dynamics. Quarterly Journal of the Royal Meteorological Society, 1976, 102, 791-804. | 2.7 | 25 |
| 135 | A parameterization of the boundary layer of a tropical cyclone. Boundary-Layer Meteorology, 1975, 8, 3-19. | 2.3 | 11 |
| 136 | A numerical study of boundary effects on concentrated vortices with application to tornadoes and waterspouts. Quarterly Journal of the Royal Meteorological Society, 1975, 101, 313-324. | 2.7 | 17 |
| 137 | The role of dynamic pressure in generating fire wind. Journal of Fluid Mechanics, 1975, 68, 1. | 3.4 | 39 |
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| 139 | Forced resonant second-order interaction between damped internal waves. Journal of Fluid Mechanics, 1972, 55, 589-608. | 3.4 | 42 |
| 140 | The surface boundary layer of a hurricane. II. Tellus, 1970, 22, 288-297. | 0.8 | 10 |
| 141 | On modelling tornadoes. Quarterly Journal of the Royal Meteorological Society, 1970, 96, 544-548. | 2.7 | 1 |
| 142 | The surface boundary layer of a hurricane. II. Tellus, 1970, 22, 288-297. | 0.8 | 8 |