

Vernon R Morris

List of Publications by Year in descending order

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44
papers

1,208
citations

471509

17
h-index

377865

34
g-index

44
all docs

44
docs citations

44
times ranked

1666
citing authors

#	ARTICLE	IF	CITATIONS
1	Regional Climate Weather Research and Forecasting Model. Bulletin of the American Meteorological Society, 2012, 93, 1363-1387.	3.3	129
2	Evidence of mineral dust altering cloud microphysics and precipitation. Atmospheric Chemistry and Physics, 2009, 9, 3223-3231.	4.9	108
3	Seasonal variation of heavy metals in ambient air and precipitation at a single site in Washington, DC. Environmental Pollution, 2008, 155, 88-98.	7.5	100
4	Assessment of Public Health Risks Associated with Atmospheric Exposure to PM _{2.5} in Washington, DC, USA. International Journal of Environmental Research and Public Health, 2006, 3, 86-97.	2.6	93
5	Graphene oxide functionalized polyethersulfone membrane to reduce organic fouling. Journal of Membrane Science, 2016, 514, 518-526.	8.2	93
6	Validation of satellite sounder environmental data records: Application to the Cross-track Infrared Microwave Sounder Suite. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,628.	3.3	61
7	Validation of Atmospheric Profile Retrievals From the SNPP NOAA-Unique Combined Atmospheric Processing System. Part 1: Temperature and Moisture. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 180-190.	6.3	53
8	A real-world plan to increase diversity in the geosciences. Physics Today, 2007, 60, 54-55.	0.3	42
9	Multiyear Observations of the Tropical Atlantic Atmosphere: Multidisciplinary Applications of the NOAA Aerosols and Ocean Science Expeditions. Bulletin of the American Meteorological Society, 2011, 92, 765-789.	3.3	42
10	Measuring Trans-Atlantic aerosol transport from Africa. Eos, 2006, 87, 565.	0.1	38
11	Ship-based measurements for infrared sensor validation during Aerosol and Ocean Science Expedition 2004. Journal of Geophysical Research, 2006, 111, .	3.3	37
12	Accuracy Assessment of MERRA-2 and ERA-Interim Sea Surface Temperature, Air Temperature, and Humidity Profiles over the Atlantic Ocean Using AEROSE Measurements. Journal of Climate, 2020, 33, 6889-6909.	3.2	33
13	A theoretical study of the H+SO ₂ reaction. Chemical Physics Letters, 1994, 223, 445-451.	2.6	31
14	Investigating the West African Climate System Using Global/Regional Climate Models. Bulletin of the American Meteorological Society, 2002, 83, 583-595.	3.3	26
15	Profile observations of the Saharan air layer during AEROSE 2004. Geophysical Research Letters, 2005, 32, .	4.0	24
16	Steric effects on nascent vibrational distributions of the HCN product produced in CN radical reactions with ethane, propane and chloroform. Chemical Physics Letters, 1994, 220, 448-454.	2.6	23
17	Validation of Atmospheric Profile Retrievals from the SNPP NOAA-Unique Combined Atmospheric Processing System. Part 2: Ozone. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 598-607.	6.3	21
18	Impacts of mineral dust on ice clouds in tropical deep convection systems. Atmospheric Research, 2014, 143, 64-72.	4.1	17

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19	Matrix-isolation study of the thermal decomposition of pyridine. <i>Energy & Fuels</i> , 1991, 5, 126-133.	5.1	16
20	Ab initio SCF studies of the electronic structures of halogen nitrates. 2. FNO _x (x = 1, 2, 3). <i>The Journal of Physical Chemistry</i> , 1989, 93, 7071-7074.	2.9	15
21	An Educational Partnership Program with Minority Serving Institutions: A Framework for Producing Minority Scientists in NOAA-Related Disciplines. <i>Journal of Geoscience Education</i> , 2007, 55, 486-492.	1.4	15
22	Combating Racism in the Geosciences: Reflections From a Black Professor. <i>AGU Advances</i> , 2021, 2, e2020AV000358.	5.4	15
23	Numerical Simulations of Island-Scale Airflow over Maui and the Maui Vortex under Summer Trade Wind Conditions. <i>Monthly Weather Review</i> , 2010, 138, 2706-2736.	1.4	14
24	Evaluating the accuracy of density functional methods for ClOO. <i>Journal of Chemical Physics</i> , 1996, 104, 5345-5346.	3.0	13
25	Satellite Sounder Observations of Contrasting Tropospheric Moisture Transport Regimes: Saharan Air Layers, Hadley Cells, and Atmospheric Rivers. <i>Journal of Hydrometeorology</i> , 2016, 17, 2997-3006.	1.9	13
26	A hybrid approach to improving the skills of seasonal climate outlook at the regional scale. <i>Climate Dynamics</i> , 2016, 46, 483-494.	3.8	13
27	Investigation of the Successive Ozone Episodes in the El Paso/Juarez Region in the Summer of 2017. <i>Atmosphere</i> , 2020, 11, 532.	2.3	13
28	Uneven increases in racial diversity of US geoscience undergraduates. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	12
29	Ab-initio self-consistent-field study of the vibrational spectra for NO ₃ geometric isomers. 2. Isotopic shifts of sym-NO ₃ . <i>The Journal of Physical Chemistry</i> , 1991, 95, 9203-9208.	2.9	11
30	Theoretical Study of the C ₂ (1 ¹ g _g ,3 ¹ u) + H ₂ O Reaction Mechanism. <i>Journal of Physical Chemistry A</i> , 2003, 107, 9825-9833.	2.5	11
31	Internal excitation of methyl radicals produced in the photolysis of acetone at 193 nm and the collisional enhancement of the infrared emission intensity in the .nu.3 spectral region. <i>The Journal of Physical Chemistry</i> , 1993, 97, 6974-6978.	2.9	9
32	Time-Resolved IR Chemiluminescence from Reactive Collisions between Hydrogen Atoms and SO ₂ . <i>The Journal of Physical Chemistry</i> , 1995, 99, 10086-10091.	2.9	9
33	On the angular effect of residual clouds and aerosols in clear-sky infrared window radiance observations 2. Satellite experimental analyses. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1420-1435.	3.3	9
34	The Howard University Program in Atmospheric Sciences (HUPAS): A Program Exemplifying Diversity and Opportunity. <i>Journal of Geoscience Education</i> , 2012, 60, 45-53.	1.4	9
35	Integration and Ocean-Based Prelaunch Validation of GOES-R Advanced Baseline Imager Legacy Atmospheric Products. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 1743-1756.	1.3	8
36	MALDI-TOF MS as a supportive tool for the evaluation of bacterial diversity in soils from Africa and the Americas. <i>Aerobiologia</i> , 2015, 31, 111-126.	1.7	7

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37	Singlet~Triplet Gap in 1,2,3-Butatriene and Its Consequences on the Mechanism of Its Spontaneous Polymerization. <i>Journal of Physical Chemistry B</i> , 1998, 102, 5042-5046.	2.6	6
38	The NOAA Center for Atmospheric Sciences (NCAS): Programs and Achievements. <i>Bulletin of the American Meteorological Society</i> , 2007, 88, 141-145.	3.3	6
39	Genome-Targeted Drug Design: Understanding the Netropsin-DNA Interaction. <i>The Open Conference Proceedings Journal</i> , 2010, 1, 157-163.	0.6	4
40	Evidence for Environmental Contamination in Residential Neighborhoods Surrounding the Defense Depot of Memphis, Tennessee. <i>International Journal of Environmental Research and Public Health</i> , 2006, 3, 244-251.	2.6	3
41	Monitoring Neighborhood Concentrations of PM _{2.5} and Black Carbon: When Using Citywide Averages Underestimates Impacts in a Community with Environmental Justice Issues. <i>Environmental Justice</i> , 2020, 13, 27-35.	1.5	3
42	Morphology and chemical composition of airborne Saharan dust during the AEROSol and Ocean Science Expeditions (AEROSE). , 2011, , .		1
43	A network of weather camps to engage students in science. <i>Eos</i> , 2012, 93, 153-154.	0.1	1
44	Development of an autonomous unmanned aerial system for atmospheric data collection and research. , 2016, , .		1