

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	Combating Racism in the Geosciences: Reflections From a Black Professor. <i>AGU Advances</i> , 2021, 2, e2020AV000358.	5.4	15
2	Uneven increases in racial diversity of US geoscience undergraduates. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	12
3	Investigation of the Successive Ozone Episodes in the El Pasoâ€œJuarez Region in the Summer of 2017. <i>Atmosphere</i> , 2020, 11, 532.	2.3	13
4	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
5	Accuracy Assessment of MERRA-2 and ERA-Interim Sea Surface Temperature, Air Temperature, and Humidity Profiles over the Atlantic Ocean Using AROSE Measurements. <i>Journal of Climate</i> , 2020, 33, 6889-6909.	3.2	33
6	Validation of Atmospheric Profile Retrievals From the SNPP NOAA-Unique Combined Atmospheric Processing System. Part 1: Temperature and Moisture. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 180-190.	6.3	53
7	Validation of Atmospheric Profile Retrievals from the SNPP NOAA-Unique Combined Atmospheric Processing System. Part 2: Ozone. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 598-607.	6.3	21
8	Graphene oxide functionalized polyethersulfone membrane to reduce organic fouling. <i>Journal of Membrane Science</i> , 2016, 514, 518-526.	8.2	93
9	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
10	Development of an autonomous unmanned aerial system for atmospheric data collection and research. , 2016, , .		1
11	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
12	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
13	Impacts of mineral dust on ice clouds in tropical deep convection systems. <i>Atmospheric Research</i> , 2014, 143, 64-72.	4.1	17
14	Integration and Ocean-Based Pre-launch 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
15	On the angular effect of residual clouds and aerosols in clearâ€œsky infrared window radiance observations 2. Satellite experimental analyses. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1420-1435.	3.3	9
16	Validation of satellite sounder environmental data records: Application to the Crossâ€œtrack Infrared Microwave Sounder Suite. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 13,628.	3.3	61
17	Regional Climateâ€œWeather Research and Forecasting Model. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 1363-1387.	3.3	129
18	A network of weather camps to engage students in science. <i>Eos</i> , 2012, 93, 153-154.	0.1	1

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19	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
20	Morphology and chemical composition of airborne Saharan dust during the AEROSol and Ocean Science Expeditions (AEROSE). , 2011, , .		1
21	Multiyear Observations of the Tropical Atlantic Atmosphere: Multidisciplinary Applications of the NOAA Aerosols and Ocean Science Expeditions. <i>Bulletin of the American Meteorological Society</i> , 2011, 92, 765-789.	3.3	42
22	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
23	Genome-Targeted Drug Design: Understanding the Netropsin-DNA Interaction. <i>The Open Conference Proceedings Journal</i> , 2010, 1, 157-163.	0.6	4
24	Evidence of mineral dust altering cloud microphysics and precipitation. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3223-3231.	4.9	108
25	Seasonal variation of heavy metals in ambient air and precipitation at a single site in Washington, DC. <i>Environmental Pollution</i> , 2008, 155, 88-98.	7.5	100
26	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
27	A real-world plan to increase diversity in the geosciences. <i>Physics Today</i> , 2007, 60, 54-55.	0.3	42
28	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
29	Ship-based measurements for infrared sensor validation during Aerosol and Ocean Science Expedition 2004. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	37
30	Measuring Trans-Atlantic aerosol transport from Africa. <i>Eos</i> , 2006, 87, 565.	0.1	38
31	Assessment of Public Health Risks Associated with Atmospheric Exposure to PM _{2.5} in Washington, DC, USA. <i>International Journal of Environmental Research and Public Health</i> , 2006, 3, 86-97.	2.6	93
32	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
33	Profile observations of the Saharan air layer during AEROSE 2004. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	24
34	Theoretical Study of the C ₂ (1 $\hat{\text{I}}\text{g}^+$,3 $\hat{\text{I}}\text{u}$) + H ₂ O Reaction Mechanism. <i>Journal of Physical Chemistry A</i> , 2003, 107, 9825-9833.	2.5	11
35	Investigating the West African Climate System Using Global/Regional Climate Models. <i>Bulletin of the American Meteorological Society</i> , 2002, 83, 583-595.	3.3	26
36	Singlet $\hat{\text{a}}$ ~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

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37	Evaluating the accuracy of density functional methods for ClOO. Journal of Chemical Physics, 1996, 104, 5345-5346.	3.0	13
38	Time-Resolved IR Chemiluminescence from Reactive Collisions between Hydrogen Atoms and SO ₂ . The Journal of Physical Chemistry, 1995, 99, 10086-10091.	2.9	9
39	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
40	A theoretical study of the H+SO ₂ reaction. Chemical Physics Letters, 1994, 223, 445-451.	2.6	31
41	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. The Journal of Physical Chemistry, 1993, 97, 6974-6978.	2.9	9
42	Matrix-isolation study of the thermal decomposition of pyridine. Energy & Fuels, 1991, 5, 126-133.	5.1	16
43	Ab-initio self-consistent-field study of the vibrational spectra for NO ₃ geometric isomers. 2. Isotopic shifts of sym-NO ₃ . The Journal of Physical Chemistry, 1991, 95, 9203-9208.	2.9	11
44	Ab initio SCF studies of the electronic structures of halogen nitrates. 2. FNO _x (x = 1, 2, 3). The Journal of Physical Chemistry, 1989, 93, 7071-7074.	2.9	15