

Robert J Wild

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,653
citations

279798

23
h-index

477307

29
g-index

39
all docs

39
docs citations

39
times ranked

3424
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the Temperature Dependence of the Casimir-Polder Force. Physical Review Letters, 2007, 98, 063201.	7.8	374
2	Highly functionalized organic nitrates in the southeast United States: Contribution to secondary organic aerosol and reactive nitrogen budgets. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1516-1521.	7.1	269
3	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. Nature, 2014, 514, 351-354.	27.8	265
4	Measurements of Tanô€™s Contact in an Atomic Bose-Einstein Condensate. Physical Review Letters, 2012, 108, 145305.	7.8	201
5	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. Physical Chemistry Chemical Physics, 2016, 18, 10241-10254.	2.8	179
6	Bragg Spectroscopy of a Strongly Interacting $\langle \text{mml:multiscripts} \langle \text{mml:mi} \rangle \text{Rb} \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} / \rangle \langle \text{mml:mn} \rangle 85 \langle \text{mml:mn} \rangle \langle \text{mml:multiscripts} \rangle \langle \text{mml:math} \rangle$ Bose-Einstein Condensate. Physical Review Letters, 2008, 101, 135301.	7.8	174
7	Understanding high wintertime ozone pollution events in an oil- and natural gas-producing region of the western US. Atmospheric Chemistry and Physics, 2015, 15, 411-429.	4.9	154
8	Organic nitrate aerosol formation via NO ₂ + biogenic volatile organic compounds in the southeastern United States. Atmospheric Chemistry and Physics, 2015, 15, 13377-13392.	4.9	124
9	Contribution of human-related sources to indoor volatile organic compounds in a university classroom. Indoor Air, 2016, 26, 925-938.	4.3	91
10	Secondary formation of nitrated phenols: insights from observations during the Uintah Basin Winter Ozone Study (UBWOS) 2014. Atmospheric Chemistry and Physics, 2016, 16, 2139-2153.	4.9	85
11	An Odd Oxygen Framework for Wintertime Ammonium Nitrate Aerosol Pollution in Urban Areas: NO _x and VOC Control as Mitigation Strategies. Geophysical Research Letters, 2019, 46, 4971-4979.	4.0	80
12	A Measurement of Total Reactive Nitrogen, NO _y , together with NO ₂ , NO, and O ₃ via Cavity Ring-down Spectroscopy. Environmental Science & Technology, 2014, 48, 9609-9615.	10.0	75
13	The lifetime of nitrogen oxides in an isoprene-dominated forest. Atmospheric Chemistry and Physics, 2016, 16, 7623-7637.	4.9	75
14	On-road measurements of vehicle NO ₂ /NO _x emission ratios in Denver, Colorado, USA. Atmospheric Environment, 2017, 148, 182-189.	4.1	63
15	Speciation of OH reactivity above the canopy of an isoprene-dominated forest. Atmospheric Chemistry and Physics, 2016, 16, 9349-9359.	4.9	59
16	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region. Atmospheric Chemistry and Physics, 2015, 15, 1975-1993.	4.9	57
17	Measuring electric fields from surface contaminants with neutral atoms. Physical Review A, 2007, 75, .	2.5	54
18	Testing Atmospheric Oxidation in an Alabama Forest. Journals of the Atmospheric Sciences, 2016, 73, 4699-4710.	1.7	54

#	ARTICLE	IF	CITATIONS
19	Observations of VOC emissions and photochemical products over US oil- and gas-producing regions using high-resolution H ₃ O ⁺ CIMS (PTR-ToF-MS). Atmospheric Measurement Techniques, 2017, 10, 2941-2968.	3.1	44
20	Peroxynitric acid (HO ₂ NO ₂) measurements during the UBWOS 2013 and 2014 studies using iodide ion chemical ionization mass spectrometry. Atmospheric Chemistry and Physics, 2015, 15, 8101-8114.	4.9	33
21	Photochemical aging of volatile organic compounds associated with oil and natural gas extraction in the Uintah Basin, UT, during a wintertime ozone formation event. Atmospheric Chemistry and Physics, 2015, 15, 5727-5741.	4.9	33
22	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. Atmospheric Chemistry and Physics, 2016, 16, 573-583.	4.9	24
23	Photon counting for Bragg spectroscopy of quantum gases. Physical Review A, 2011, 83, .	2.5	23
24	Evaluation of the accuracy of thermal dissociation CRDS and LIF techniques for atmospheric measurement of reactive nitrogen species. Atmospheric Measurement Techniques, 2017, 10, 1911-1926.	3.1	18
25	Threshold photodetachment spectroscopy of the astrochemical anion CN ⁻ . Journal of Chemical Physics, 2020, 153, 184309.	3.0	11
26	Influence of a Supercritical Electric Dipole Moment on the Photodetachment of C_3N^9 . Physical Review Letters, 2021, 127, 043001.	7.8	9
27	Complex Formation in Three-Body Reactions of Cl ⁺ with H ₂ . Journal of Physical Chemistry A, 2021, 125, 8581-8586.	2.5	6
28	Strong ortho/para effects in the vibrational spectrum of Cl-(H ₂). Journal of Chemical Physics, 2021, 155, 241101.	3.0	5
29	Predissociation spectroscopy of cold CN ⁺ H ₂ and CN ⁺ D ₂ . Molecular Physics, 0, , .	1.7	3
30	Cleaning silicon nitride gratings with liquid immersion. Journal of Vacuum Science & Technology B, 2006, 24, 1409.	1.3	2