

# Robert J Wild

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4693908/publications.pdf>

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	Influence of a Supercritical Electric Dipole Moment on the Photodetachment of $C_3N^+$ . <i>Physical Review Letters</i> , 2021, 127, 043001.	7.8	9
2	Complex Formation in Three-Body Reactions of $Cl^+$ with $H_2$ . <i>Journal of Physical Chemistry A</i> , 2021, 125, 8581-8586.	2.5	6
3	Strong ortho/para effects in the vibrational spectrum of $Cl(H_2)$ . <i>Journal of Chemical Physics</i> , 2021, 155, 241101.	3.0	5
4	Threshold photodetachment spectroscopy of the astrochemical anion $CN^-$ . <i>Journal of Chemical Physics</i> , 2020, 153, 184309.	3.0	11
5	An Odd Oxygen Framework for Wintertime Ammonium Nitrate Aerosol Pollution in Urban Areas: $NO_x$ and VOC Control as Mitigation Strategies. <i>Geophysical Research Letters</i> , 2019, 46, 4971-4979.	4.0	80
6	On-road measurements of vehicle $NO_2/NO_x$ emission ratios in Denver, Colorado, USA. <i>Atmospheric Environment</i> , 2017, 148, 182-189.	4.1	63
7	Observations of VOC emissions and photochemical products over US oil- and gas-producing regions using high-resolution $H_2O$ and $CO_2$ CIMS (PTR-ToF-MS). <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2941-2968.	3.1	44
8	Evaluation of the accuracy of thermal dissociation CRDS and LIF techniques for atmospheric measurement of reactive nitrogen species. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1911-1926.	3.1	18
9	Contribution of human-related sources to indoor volatile organic compounds in a university classroom. <i>Indoor Air</i> , 2016, 26, 925-938.	4.3	91
10	Testing Atmospheric Oxidation in an Alabama Forest. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 4699-4710.	1.7	54
11	Secondary formation of nitrated phenols: insights from observations during the Uintah Basin Winter Ozone Study (UBWOS) 2014. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2139-2153.	4.9	85
12	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 573-583.	4.9	24
13	The lifetime of nitrogen oxides in an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7623-7637.	4.9	75
14	Speciation of OH reactivity above the canopy of an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9349-9359.	4.9	59
15	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10241-10254.	2.8	179
16	Highly functionalized organic nitrates in the southeast United States: Contribution to secondary organic aerosol and reactive nitrogen budgets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1516-1521.	7.1	269
17	Understanding high wintertime ozone pollution events in an oil- and natural gas-producing region of the western US. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 411-429.	4.9	154
18	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1975-1993.	4.9	57

#	ARTICLE	IF	CITATIONS
19	Peroxydic acid (HO&lt;sub&gt;2&lt;/sub&gt;&lt;sub&gt;2&lt;/sub&gt;NO&lt;sub&gt;2&lt;/sub&gt;) 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
20	Organic nitrate aerosol formation via NO&lt;sub&gt;3&lt;/sub&gt; + biogenic volatile organic compounds in the southeastern United States. Atmospheric Chemistry and Physics, 2015, 15, 13377-13392.	4.9	124
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	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. Nature, 2014, 514, 351-354.	27.8	265
23	A Measurement of Total Reactive Nitrogen, NO<sub>i>y</i></sub>, together with NO<sub>2</sub>, NO, and O<sub>3</sub> via Cavity Ring-down Spectroscopy. Environmental Science & Technology, 2014, 48, 9609-9615.	10.0	75
24	Measurements of Tan&lt;sup&gt;â€™s</sup> Contact in an Atomic Bose-Einstein Condensate. Physical Review Letters, 2012, 108, 145305.	7.8	201
25	Photon counting for Bragg spectroscopy of quantum gases. Physical Review A, 2011, 83, .	2.5	23
26	Bragg Spectroscopy of a Strongly Interacting<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Rb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>85</mml:mn></mml:mmultiscripts></mml:math> Bose-Einstein Condensate. Physical Review Letters, 2008, 101, 135301.	7.8	174
27	Measuring electric fields from surface contaminants with neutral atoms. Physical Review A, 2007, 75, .	2.5	54
28	Measurement of the Temperature Dependence of the Casimir-Polder Force. Physical Review Letters, 2007, 98, 063201.	7.8	374
29	Cleaning silicon nitride gratings with liquid immersion. Journal of Vacuum Science & Technology B, 2006, 24, 1409.	1.3	2
30	Predissociation spectroscopy of cold CN<sup>â€™</sup>H<sub>2</sub> and CN<sup>â€™</sup>D<sub>2</sub>. Molecular Physics, 0, , .	1.7	3