

Chris R Ruehl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6613888/publications.pdf>

Version: 2024-02-01

27
papers

1,720
citations

361413

20
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

2239
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying surface water-groundwater interactions using time series analysis of streambed thermal records: Method development. <i>Water Resources Research</i> , 2006, 42, .	4.2	420
2	An interfacial mechanism for cloud droplet formation on organic aerosols. <i>Science</i> , 2016, 351, 1447-1450.	12.6	193
3	Spatial and temporal variations in streambed hydraulic conductivity quantified with time-series thermal methods. <i>Journal of Hydrology</i> , 2010, 389, 276-288.	5.4	145
4	Lubricating Oil Dominates Primary Organic Aerosol Emissions from Motor Vehicles. <i>Environmental Science & Technology</i> , 2014, 48, 3698-3706.	10.0	145
5	Surface Organic Monolayers Control the Hygroscopic Growth of Submicrometer Particles at High Relative Humidity. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3952-3966.	2.5	92
6	How quickly do cloud droplets form on atmospheric particles?. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 1043-1055.	4.9	85
7	Differential gauging and tracer tests resolve seepage fluxes in a strongly-losing stream. <i>Journal of Hydrology</i> , 2006, 330, 235-248.	5.4	71
8	Detailed chemical characterization of unresolved complex mixtures in atmospheric organics: Insights into emission sources, atmospheric processing, and secondary organic aerosol formation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6783-6796.	3.3	69
9	Establishing the impact of model surfactants on cloud condensation nuclei activity of sea spray aerosol mimics. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10985-11005.	4.9	54
10	The Influence of Molecular Structure and Aerosol Phase on the Heterogeneous Oxidation of Normal and Branched Alkanes by OH. <i>Journal of Physical Chemistry A</i> , 2013, 117, 3990-4000.	2.5	52
11	Aerosol hygroscopicity at high (99 to 100%) relative humidities. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1329-1344.	4.9	47
12	Real-time particulate emissions rates from active and passive heavy-duty diesel particulate filter regeneration. <i>Science of the Total Environment</i> , 2019, 680, 132-139.	8.0	46
13	In-Use NO _x Emissions from Diesel and Liquefied Natural Gas Refuse Trucks Equipped with SCR and TWC, Respectively. <i>Environmental Science & Technology</i> , 2017, 51, 6981-6989.	10.0	43
14	Heterogeneous OH Oxidation of Motor Oil Particles Causes Selective Depletion of Branched and Less Cyclic Hydrocarbons. <i>Environmental Science & Technology</i> , 2012, 46, 10632-10640.	10.0	39
15	Worldwide data sets constrain the water vapor uptake coefficient in cloud formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3760-3764.	7.1	29
16	Speciated measurements of semivolatile and intermediate volatility organic compounds (S/IVOCs) in a pine forest during BEACHON-RoMBAS 2011. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1187-1205.	4.9	28
17	Emissions During and Real-world Frequency of Heavy-duty Diesel Particulate Filter Regeneration. <i>Environmental Science & Technology</i> , 2018, 52, 5868-5874.	10.0	27
18	A statistical description of the evolution of cloud condensation nuclei activity during the heterogeneous oxidation of squalane and bis(2-ethylhexyl) sebacate aerosol by hydroxyl radicals. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 9679.	2.8	25

#	ARTICLE	IF	CITATIONS
19	OH-Initiated Heterogeneous Oxidation of Cholestane: A Model System for Understanding the Photochemical Aging of Cyclic Alkane Aerosols. <i>Journal of Physical Chemistry A</i> , 2013, 117, 12449-12458.	2.5	23
20	Seasonal Variation of Airborne Particle Deposition Efficiency in the Human Respiratory System. <i>Aerosol Science and Technology</i> , 2011, 45, 795-804.	3.1	21
21	Isomeric Product Detection in the Heterogeneous Reaction of Hydroxyl Radicals with Aerosol Composed of Branched and Linear Unsaturated Organic Molecules. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11555-11571.	2.5	18
22	Temperature-induced volatility of molecular markers in ambient airborne particulate matter. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 67-76.	4.9	17
23	Assessment of In-Use NOx Emissions from Heavy-Duty Diesel Vehicles Equipped with Selective Catalytic Reduction Systems. <i>Environmental Science & Technology</i> , 2021, 55, 13657-13665.	10.0	14
24	Similarities and Differences Between "Traditional" and "Clean" Diesel PM. <i>Emission Control Science and Technology</i> , 2015, 1, 17-23.	1.5	7
25	An analysis of real-world exhaust emission control deterioration in the California light-duty gasoline vehicle fleet. <i>Atmospheric Environment</i> , 2020, 220, 117107.	4.1	6
26	Evaluation of heavy-duty vehicle emission controls with a decade of California real-world observations. <i>Journal of the Air and Waste Management Association</i> , 2021, 71, 1277-1291.	1.9	4
27	Measurements of the Rate of Cloud Droplet Formation on Atmospheric Particles. , 2007, , 585-590.		0