

Christopher J Kampf

List of Publications by Year in descending order

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35
papers

3,703
citations

331538

21
h-index

377752

34
g-index

36
all docs

36
docs citations

36
times ranked

4838
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Arylation Reaction. <i>Chemical Reviews</i> , 2018, 118, 6706-6765.	23.0	616
2	Bioaerosols in the Earth system: Climate, health, and ecosystem interactions. <i>Atmospheric Research</i> , 2016, 182, 346-376.	1.8	609
3	The Molecular Identification of Organic Compounds in the Atmosphere: State of the Art and Challenges. <i>Chemical Reviews</i> , 2015, 115, 3919-3983.	23.0	417
4	Aerosol Health Effects from Molecular to Global Scales. <i>Environmental Science & Technology</i> , 2017, 51, 13545-13567.	4.6	384
5	Ice nucleation by water-soluble macromolecules. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 4077-4091.	1.9	198
6	Air Pollution and Climate Change Effects on Allergies in the Anthropocene: Abundance, Interaction, and Modification of Allergens and Adjuvants. <i>Environmental Science & Technology</i> , 2017, 51, 4119-4141.	4.6	193
7	Identification and characterization of aging products in the glyoxal/ammonium sulfate system – implications for light-absorbing material in atmospheric aerosols. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6323-6333.	1.9	147
8	Hydroxyl radicals from secondary organic aerosol decomposition in water. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1761-1771.	1.9	138
9	Effective Henry's Law Partitioning and the Salting Constant of Glyoxal in Aerosols Containing Sulfate. <i>Environmental Science & Technology</i> , 2013, 47, 4236-4244.	4.6	115
10	Carbonate-coordinated metal complexes precede the formation of liquid amorphous mineral emulsions of divalent metal carbonates. <i>Nanoscale</i> , 2011, 3, 1158.	2.8	114
11	The summertime Boreal forest field measurement intensive (HUMPPA-COPEC-2010): an overview of meteorological and chemical influences. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 10599-10618.	1.9	108
12	Anti-inflammatory effects of cinnamon extract and identification of active compounds influencing the TLR2 and TLR4 signaling pathways. <i>Food and Function</i> , 2018, 9, 5950-5964.	2.1	70
13	Release of free amino acids upon oxidation of peptides and proteins by hydroxyl radicals. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2411-2420.	1.9	62
14	Secondary brown carbon formation via the dicarbonyl imine pathway: nitrogen heterocycle formation and synergistic effects. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18353-18364.	1.3	59
15	Protein Cross-Linking and Oligomerization through Dityrosine Formation upon Exposure to Ozone. <i>Environmental Science & Technology</i> , 2015, 49, 10859-10866.	4.6	55
16	Nitration of the Birch Pollen Allergen Bet v 1.0101: Efficiency and Site-Selectivity of Liquid and Gaseous Nitrating Agents. <i>Journal of Proteome Research</i> , 2014, 13, 1570-1577.	1.8	51
17	Reactive oxygen species formed in aqueous mixtures of secondary organic aerosols and mineral dust influencing cloud chemistry and public health in the Anthropocene. <i>Faraday Discussions</i> , 2017, 200, 251-270.	1.6	51
18	Atmospheric protein chemistry influenced by anthropogenic air pollutants: nitration and oligomerization upon exposure to ozone and nitrogen dioxide. <i>Faraday Discussions</i> , 2017, 200, 413-427.	1.6	37

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19	Computational Study of the Effect of Glyoxal-Sulfate Clustering on the Henry's Law Coefficient of Glyoxal. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4509-4514.	1.1	35
20	Molecular Characterization and Source Identification of Atmospheric Particulate Organosulfates Using Ultrahigh Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2019, 53, 6192-6202.	4.6	34
21	Development and validation of a selective HPLC-ESI-MS/MS method for the quantification of glyoxal and methylglyoxal in atmospheric aerosols (PM _{2.5}). <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 3115-3124.	1.9	28
22	Determination of nitration degrees for the birch pollen allergen Bet v 1. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8945-8949.	1.9	22
23	Light-induced protein nitration and degradation with HONO emission. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11819-11833.	1.9	22
24	Shipborne measurements of Antarctic submicron organic aerosols: an NMR perspective linking multiple sources and bioregions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4193-4207.	1.9	21
25	Novel Tracer Method To Measure Isotopic Labeled Gas-Phase Nitrous Acid (HO ¹⁵ NO) in Biogeochemical Studies. <i>Environmental Science & Technology</i> , 2014, 48, 8021-8027.	4.6	19
26	Fresh water, marine and terrestrial cyanobacteria display distinct allergen characteristics. <i>Science of the Total Environment</i> , 2018, 612, 767-774.	3.9	19
27	Metaproteomic analysis of atmospheric aerosol samples. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6337-6348.	1.9	16
28	Anti-inflammatory and tight junction protective activity of the herbal preparation STW 5-II on mouse intestinal organoids. <i>Phytomedicine</i> , 2021, 88, 153589.	2.3	16
29	Simultaneous determination of nitrated and oligomerized proteins by size exclusion high-performance liquid chromatography coupled to photodiode array detection. <i>Journal of Chromatography A</i> , 2017, 1495, 76-82.	1.8	13
30	First measurements of reactive α -dicarbonyl concentrations on PM _{2.5} aerosol over the Boreal forest in Finland during HUMPPA-COPEC 2010 source apportionment and links to aerosol aging. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6145-6155.	1.9	12
31	Chemopreventive Property of Sencha Tea Extracts towards Sensitive and Multidrug-Resistant Leukemia and Multiple Myeloma Cells. <i>Biomolecules</i> , 2020, 10, 1000.	1.8	10
32	Increased Stress Resistance and Lifespan in <i>Caenorhabditis elegans</i> Wildtype and Knockout Mutants—Implications for Depression Treatment by Medicinal Herbs. <i>Molecules</i> , 2021, 26, 1827.	1.7	5
33	Programmed Formation of HCN Oligomers through Organosulfur Catalysis. <i>Journal of Organic Chemistry</i> , 2021, 86, 10320-10329.	1.7	5
34	The air we breathe: Past, present, and future: general discussion. <i>Faraday Discussions</i> , 2017, 200, 501-527.	1.6	1
35	Atmospheric chemistry processes: general discussion. <i>Faraday Discussions</i> , 2017, 200, 353-378.	1.6	0