Christopher D Zangmeister

List of Publications by Year
in descending order

31 papers	1,257 citations	430874 18 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	2173 citing authors

#	Article	IF	Citations
1	Absorption Spectra of Martian Dust Simulants. ACS Earth and Space Chemistry, 2022, 6, 672-682.	2.7	1
2	Common Single-Use Consumer Plastic Products Release Trillions of Sub-100 nm Nanoparticles per Liter into Water during Normal Use. Environmental Science & Technology, 2022, 56, 5448-5455.	10.0	38
3	Hydration of Hydrophilic Cloth Face Masks Enhances the Filtration of Nanoparticles. ACS Applied Nano Materials, 2021, 4, 2694-2701.	5.0	27
4	Home- and Laboratory-based Microscopy of Face Covering Materials. Microscopy and Microanalysis, 2021, 27, 1292-1294.	0.4	1
5	Filter Inserts Impact Cloth Mask Performance against Nano- to Micro-Sized Particles. ACS Nano, 2021, 15, 12860-12868.	14.6	13
6	Recent developments in filtration media and respirator technology in response to COVID-19. MRS Bulletin, 2021, 46, 822-831.	3.5	7
7	Comparison of three essential sub-micrometer aerosol measurements: Mass, size and shape. Aerosol Science and Technology, 2020, 54, 1197-1209.	3.1	12
8	Filtration Efficiencies of Nanoscale Aerosol by Cloth Mask Materials Used to Slow the Spread of SARS-CoV-2. ACS Nano, 2020, 14, 9188-9200.	14.6	213
9	Characterization and demonstration of a black carbon aerosol mimic for instrument evaluation. Aerosol Science and Technology, 2019, 53, 1322-1333.	3.1	7
10	Measured in-situ mass absorption spectra for nine forms of highly-absorbing carbonaceous aerosol. Carbon, 2018, 136, 85-93.	10.3	32
11	Absorption Spectroscopy of Black and Brown Carbon Aerosol. ACS Symposium Series, 2018, , 275-297.	0.5	3
12	Comparing aerosol refractive indices retrieved from full distribution and size- and mass-selected measurements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 220, 52-66.	2.3	16
13	Direct In Situ Mass Specific Absorption Spectra of Biomass Burning Particles Generated from Smoldering Hard and Softwoods. Environmental Science & Technology, 2017, 51, 5622-5629.	10.0	10
14	Light source effects on aerosol photoacoustic spectroscopy measurements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 145-149.	2.3	8
15	Measured Wavelength-Dependent Absorption Enhancement of Internally Mixed Black Carbon with Absorbing and Nonabsorbing Materials. Environmental Science & Technology, 2016, 50, 7982-7990.	10.0	49
16	Practical limitations of aerosol separation by a tandem differential mobility analyzerâ€“aerosol particle mass analyzer. Aerosol Science and Technology, 2016, 50, 160-172.	3.1	29
17	Measurement of Gas and Aerosol Phase Absorption Spectra across the Visible and Near-IR Using Supercontinuum Photoacoustic Spectroscopy. Analytical Chemistry, 2015, 87, 7356-7363.	6.5	28
18	Packing density of rigid aggregates is independent of scale. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9037-9041.	7.1	39

#	Article	IF	Citations
19	Dependence of Soot Optical Properties on Particle Morphology: Measurements and Model Comparisons. Environmental Science & Technology, 2014, 48, 3169-3176.	10.0	85
20	Soot aggregate restructuring during water processing. Journal of Aerosol Science, 2013, 66, 209-219.	3.8	73
21	Reduction of Suspended Graphene Oxide Single Sheet Nanopaper: The Effect of Crumpling. Journal of Physical Chemistry C, 2013, 117, 3185-3191.	3.1	28
22	Direct Measurements of Mass-Specific Optical Cross Sections of Single-Component Aerosol Mixtures. Analytical Chemistry, 2013, 85, 8319-8325.	6.5	28
23	Crumpled Nanopaper from Graphene Oxide. Nano Letters, 2012, 12, 486-489.	9.1	160
24	Preparation and Evaluation of Graphite Oxide Reduced at 220 Â°C. Chemistry of Materials, 2010, 22, 5625-5629.	6.7	198
25	Comparison of the Energy-Level Alignment of Thiolate- and Carbodithiolate-Bound Self-Assembled Monolayers on Gold. Journal of Physical Chemistry C, 2010, 114, 20843-20851.	3.1	6
26	Energy-level alignment of aryl thiols chemisorbed on metal surfaces: implications for charge transport. , 2009, , .		1
27	Controlling Chargeâ€Carrier Type in Nanoscale Junctions with Linker Chemistry. Small, 2008, 4, 1143-1147.	10.0	18
28	Experimental and Theoretical Identification of Valence Energy Levels and Interface Dipole Trends for a Family of (Oligo)Phenylene-ethynylenethiols Adsorbed on Gold. Journal of Physical Chemistry C, 2008, 112, 13215-13225.	3.1	21
29	Energy-level alignment and work function shifts for thiol-bound monolayers of conjugated molecules self-assembled on Ag, Cu, Au, and Pt. Chemical Physics Letters, 2007, 442, 390-393.	2.6	45
30	Valence Electron Orbitals of an Oligo(p-phenylene-ethynylene)thiol on Gold. Journal of the American Chemical Society, 2004, 126, 3420-3421.	13.7	24
31	Structural and Chemical Characterization of Monofluoro-Substituted Oligo(phenyleneâ€ethynylene) Thiolate Self-Assembled Monolayers on Gold. Langmuir, 2004, 20, 6195-6205.	3.5	37