

Christopher D Zangmeister

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5280149/publications.pdf>

Version: 2024-02-01

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	Filtration Efficiencies of Nanoscale Aerosol by Cloth Mask Materials Used to Slow the Spread of SARS-CoV-2. <i>ACS Nano</i> , 2020, 14, 9188-9200.	14.6	213
2	Preparation and Evaluation of Graphite Oxide Reduced at 220 Å°C. <i>Chemistry of Materials</i> , 2010, 22, 5625-5629.	6.7	198
3	Crumpled Nanopaper from Graphene Oxide. <i>Nano Letters</i> , 2012, 12, 486-489.	9.1	160
4	Dependence of Soot Optical Properties on Particle Morphology: Measurements and Model Comparisons. <i>Environmental Science & Technology</i> , 2014, 48, 3169-3176.	10.0	85
5	Soot aggregate restructuring during water processing. <i>Journal of Aerosol Science</i> , 2013, 66, 209-219.	3.8	73
6	Measured Wavelength-Dependent Absorption Enhancement of Internally Mixed Black Carbon with Absorbing and Nonabsorbing Materials. <i>Environmental Science & Technology</i> , 2016, 50, 7982-7990.	10.0	49
7	Energy-level alignment and work function shifts for thiol-bound monolayers of conjugated molecules self-assembled on Ag, Cu, Au, and Pt. <i>Chemical Physics Letters</i> , 2007, 442, 390-393.	2.6	45
8	Packing density of rigid aggregates is independent of scale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9037-9041.	7.1	39
9	Common Single-Use Consumer Plastic Products Release Trillions of Sub-100 nm Nanoparticles per Liter into Water during Normal Use. <i>Environmental Science & Technology</i> , 2022, 56, 5448-5455.	10.0	38
10	Structural and Chemical Characterization of Monofluoro-Substituted Oligo(phenylene-ethynylene) Thiolate Self-Assembled Monolayers on Gold. <i>Langmuir</i> , 2004, 20, 6195-6205.	3.5	37
11	Measured in-situ mass absorption spectra for nine forms of highly-absorbing carbonaceous aerosol. <i>Carbon</i> , 2018, 136, 85-93.	10.3	32
12	Practical limitations of aerosol separation by a tandem differential mobility analyzer aerosol particle mass analyzer. <i>Aerosol Science and Technology</i> , 2016, 50, 160-172.	3.1	29
13	Reduction of Suspended Graphene Oxide Single Sheet Nanopaper: The Effect of Crumpling. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3185-3191.	3.1	28
14	Direct Measurements of Mass-Specific Optical Cross Sections of Single-Component Aerosol Mixtures. <i>Analytical Chemistry</i> , 2013, 85, 8319-8325.	6.5	28
15	Measurement of Gas and Aerosol Phase Absorption Spectra across the Visible and Near-IR Using Supercontinuum Photoacoustic Spectroscopy. <i>Analytical Chemistry</i> , 2015, 87, 7356-7363.	6.5	28
16	Hydration of Hydrophilic Cloth Face Masks Enhances the Filtration of Nanoparticles. <i>ACS Applied Nano Materials</i> , 2021, 4, 2694-2701.	5.0	27
17	Valence Electron Orbitals of an Oligo(p-phenylene-ethynylene)thiol on Gold. <i>Journal of the American Chemical Society</i> , 2004, 126, 3420-3421.	13.7	24
18	Experimental and Theoretical Identification of Valence Energy Levels and Interface Dipole Trends for a Family of (Oligo)Phenylene-ethynylene thiols Adsorbed on Gold. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13215-13225.	3.1	21

#	ARTICLE	IF	CITATIONS
19	Controlling Charge-Carrier Type in Nanoscale Junctions with Linker Chemistry. <i>Small</i> , 2008, 4, 1143-1147.	10.0	18
20	Comparing aerosol refractive indices retrieved from full distribution and size- and mass-selected measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 220, 52-66.	2.3	16
21	Filter Inserts Impact Cloth Mask Performance against Nano- to Micro-Sized Particles. <i>ACS Nano</i> , 2021, 15, 12860-12868.	14.6	13
22	Comparison of three essential sub-micrometer aerosol measurements: Mass, size and shape. <i>Aerosol Science and Technology</i> , 2020, 54, 1197-1209.	3.1	12
23	Direct In Situ Mass Specific Absorption Spectra of Biomass Burning Particles Generated from Smoldering Hard and Softwoods. <i>Environmental Science & Technology</i> , 2017, 51, 5622-5629.	10.0	10
24	Light source effects on aerosol photoacoustic spectroscopy measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 187, 145-149.	2.3	8
25	Characterization and demonstration of a black carbon aerosol mimic for instrument evaluation. <i>Aerosol Science and Technology</i> , 2019, 53, 1322-1333.	3.1	7
26	Recent developments in filtration media and respirator technology in response to COVID-19. <i>MRS Bulletin</i> , 2021, 46, 822-831.	3.5	7
27	Comparison of the Energy-Level Alignment of Thiolate- and Carbodithiolate-Bound Self-Assembled Monolayers on Gold. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20843-20851.	3.1	6
28	Absorption Spectroscopy of Black and Brown Carbon Aerosol. <i>ACS Symposium Series</i> , 2018, , 275-297.	0.5	3
29	Energy-level alignment of aryl thiols chemisorbed on metal surfaces: implications for charge transport. , 2009, , .		1
30	Home- and Laboratory-based Microscopy of Face Covering Materials. <i>Microscopy and Microanalysis</i> , 2021, 27, 1292-1294.	0.4	1
31	Absorption Spectra of Martian Dust Simulants. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 672-682.	2.7	1