

Zhiyong Gong

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

376
citations

933447

10
h-index

1199594

12
g-index

14
all docs

14
docs citations

14
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical trapping and manipulation of single particles in air: Principles, technical details, and applications. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 214, 94-119.	2.3	98
2	Optical configurations for photophoretic trap of single particles in air. <i>Review of Scientific Instruments</i> , 2016, 87, 103104.	1.3	50
3	Determination of breath acetone in 149 Type 2 diabetic patients using a ringdown breath-acetone analyzer. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1641-1650.	3.7	44
4	Optical trapping-Raman spectroscopy (OT-RS) with embedded microscopy imaging for concurrent characterization and monitoring of physical and chemical properties of single particles. <i>Analytica Chimica Acta</i> , 2018, 1020, 86-94.	5.4	33
5	Laser pushing or pulling of absorbing airborne particles. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	27
6	A fully integrated standalone portable cavity ringdown breath acetone analyzer. <i>Review of Scientific Instruments</i> , 2015, 86, 095003.	1.3	24
7	The temporal evolution process from fluorescence bleaching to clean Raman spectra of single solid particles optically trapped in air. <i>Chemical Physics Letters</i> , 2017, 689, 100-104.	2.6	23
8	Characterization of single airborne particle extinction using the tunable optical trap-cavity ringdown spectroscopy (OT-CRDS) in the UV. <i>Optics Express</i> , 2017, 25, 6732.	3.4	23
9	Optical trap-cavity ringdown spectroscopy as a single-aerosol-particle-scope. <i>Applied Physics Letters</i> , 2015, 107, 241903.	3.3	17
10	Chemical reactions of single optically trapped bioaerosols in a controlled environment. <i>Aerosol Science and Technology</i> , 2019, 53, 853-859.	3.1	17
11	Online Characterization of Single Airborne Carbon Nanotube Particles Using Optical Trapping Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2019, 73, 910-916.	2.2	10
12	Laser spectroscopic characterization of single extraterrestrial dust particles using optical trapping-cavity ringdown and Raman spectroscopy. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 255, 107249.	2.3	10
13	Optical Trapping-Cavity Ringdown and Raman Spectroscopy for Characterization of Single Extraterrestrial Dust Particles. , 2020, , .		0