Zhiyong Gong

List of Publications by Year
in descending order

13	376	933447 10	1199594 12
papers	citations	h-index	g-index

14	14	14	360
all docs	docs citations	times ranked	citing authors

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