Boyang Xue

List of Publications by Year in descending order

12 papers	294 citations	1039406 9 h-index	1281420 11 g-index
12 all docs	12 docs citations	12 times ranked	160 citing authors

#	Article	IF	Citations
1	Laser focusing geometry effects on laser-induced plasma and laser-induced breakdown spectroscopy in bulk water. Journal of Analytical Atomic Spectrometry, 2019, 34, 118-126.	1.6	56
2	Stabilization of laser-induced plasma in bulk water using large focusing angle. Applied Physics Letters, 2016, 109, .	1.5	47
3	Non-gated laser-induced breakdown spectroscopy in bulk water by position-selective detection. Applied Physics Letters, 2015, 107, .	1.5	32
4	CaOH Molecular Emissions in Underwater Laser-Induced Breakdown Spectroscopy: Spatialâ€“Temporal Characteristics and Analytical Performances. Analytical Chemistry, 2019, 91, 13970-13977.	3.2	32
5	Emission enhancement of underwater collinear dual-pulse laser-induced breakdown spectroscopy with the second pulse defocused. Applied Physics Letters, 2017, 110, .	1.5	31
6	Improvement in the analytical performance of underwater LIBS signals by exploiting the plasma image information. Journal of Analytical Atomic Spectrometry, 2020, 35, 366-376.	1.6	30
7	Comparative investigation of laser-induced breakdown spectroscopy in bulk water using 532- and 1064-nm lasers. Applied Physics Express, 2017, 10, 072401.	1.1	22
8	Characteristics of the secondary breakdown of DP-LIBS in bulk water with different axial focusing arrangements and laser energies. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 151, 20-25.	1.5	22
9	The applications of the in situ laser spectroscopy to the deep-sea cold seep and hydrothermal vent system. Solid Earth Sciences, 2020, 5, 153-168.	0.8	10
10	Spatiotemporal and spectroscopic investigations of the secondary plasma generated during double-pulse laser-induced breakdown in bulk water. Journal of Analytical Atomic Spectrometry, 2020, 35, 2880-2892.	1.6	8
11	High-throughput underwater elemental analysis by Î¼J-laser-induced breakdown spectroscopy at a kHz repetition rate: part II, understanding the high repetition-rate from a fundamental perspective. Journal of Analytical Atomic Spectrometry, 2020, 35, 2912-2919.	1.6	3
12	High-throughput underwater elemental analysis by Î¼J-laser-induced breakdown spectroscopy at kHz repetition rates: part I, ultrasound-enhanced optical emission spectroscopy towards application perspectives. Journal of Analytical Atomic Spectrometry, 2020, 35, 2901-2911.	1.6	1