

Boyang Xue

List of Publications by Year in descending order

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papers

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1039406

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160
citing authors

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