Ye Tian

List of Publications by Year
in descending order

29	629	566801 15	610482 24
papers	citations	h-index	g-index

30	30	30	301
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Machine Learning Allows Calibration Models to Predict Trace Element Concentration in Soils with Generalized LIBS Spectra. Scientific Reports, 2019, 9, 11363.	1.6	68
2	Study of pressure effects on laser induced plasma in bulk seawater. Journal of Analytical Atomic Spectrometry, 2014, 29, 169-175.	1.6	67
3	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
4	Stabilization of laser-induced plasma in bulk water using large focusing angle. Applied Physics Letters, 2016, 109, .	1.5	47
5	Non-gated laser-induced breakdown spectroscopy in bulk water by position-selective detection. Applied Physics Letters, 2015, 107, .	1.5	32
6	CaOH Molecular Emissions in Underwater Laser-Induced Breakdown Spectroscopy: Spatialâ€“Temporal Characteristics and Analytical Performances. Analytical Chemistry, 2019, 91, 13970-13977.	3.2	32
7	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
8	Elemental analysis of powders with surface-assisted thin film laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 124, 16-24.	1.5	28
9	Quantitative determination of phosphorus in seafood using laser-induced breakdown spectroscopy combined with machine learning. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 175, 106027.	1.5	23
10	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
11	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
12	Development and Field Tests of a Deep-Sea Laser-Induced Breakdown Spectroscopy (LIBS) System for Solid Sample Analysis in Seawater. Sensors, 2020, 20, 7341.	2.1	20
13	Laser-induced plasma in water at high pressures up to 40 MPa: A time-resolved study. Optics Express, 2020, 28, 18122.	1.7	18
14	Study of interpulse delay effects on orthogonal dual-pulse laser-induced breakdown spectroscopy in bulk seawater. Journal of Analytical Atomic Spectrometry, 2020, 35, 2351-2357.	1.6	17
15	Normalization of underwater laser-induced breakdown spectroscopy using acoustic signals measured by a hydrophone. Applied Optics, 2021, 60, 1595.	0.9	17
16	Salinity effects on elemental analysis in bulk water by laser-induced breakdown spectroscopy. Applied Optics, 2019, 58, 3886.	0.9	16
17	Investigation of laser-induced plasma characteristics in bulk water under different focusing arrangements. Applied Optics, 2018, 57, 1640.	0.9	15
18	Plasma condensation effect induced by ambient pressure in laser-induced breakdown spectroscopy. Applied Physics Express, 2014, 7, 032402.	1.1	14

#	Article	IF	Citations
19	Quantitation improvement of underwater laser induced breakdown spectroscopy by using self-absorption correction based on plasma images. Analytica Chimica Acta, 2022, 1195, 339423.	2.6	13
20	Comprehensive effects of oceanic pressure and temperature on in situ LIBS signals. Journal of Analytical Atomic Spectrometry, 2021, 36, 2660-2668.	1.6	12
21	Characteristics of the ablation plume induced on glasses for analysis purposes with laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 114, 7-14.	1.5	11
22	EXPRESS: Effects of Ambient Temperature on Laser-Induced Plasma in Bulk Water. Applied Spectroscopy, 2019, 73, 000370281985635.	1.2	9
23	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
24	Investigation of laser-induced bubble dynamics in water at high hydrostatic pressures. Optics Express, 0, , .	1.7	7
25	Spectral characteristics of underwater laser-induced breakdown spectroscopy under high-pressure conditions. Plasma Science and Technology, 2020, 22, 074004.	0.7	6
26	A new approach for baseline correction in laser induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2022, 37, 1134-1140.	1.6	6
27	Temperature Measurement of Laser-Induced Plasmas from the Intensity Ratio of Two Lines Emitted from Different Elements with the Same Ionization Degree. Applied Spectroscopy, 2014, 68, 1085-1092.	1.2	5
28	Pressure effects on underwater laser-induced breakdown spectroscopy: an interpretation with self-absorption. Journal of Analytical Atomic Spectrometry, 2021, 36, 644-653.	1.6	5
29	Temporal-resolved measurement using a dual light-collection for laser induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 180, 106202.	1.5	3