

Guang Yang

List of Publications by Year in descending order

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17
papers

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citations

840776

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16
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17
all docs

17
docs citations

17
times ranked

478
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of laser-induced breakdown spectroscopy signal enhancement. Applied Spectroscopy Reviews, 2018, 53, 1-35.	6.7	126
2	A Review of Laser-Induced Breakdown Spectroscopy for Analysis of Geological Materials. Applied Spectroscopy Reviews, 2015, 50, 1-26.	6.7	82
3	A review of laser-induced breakdown spectroscopy for plastic analysis. TrAC - Trends in Analytical Chemistry, 2019, 110, 327-334.	11.4	55
4	Rapid classification of plastics by laser-induced breakdown spectroscopy (LIBS) coupled with partial least squares discrimination analysis based on variable importance (VI-PLS-DA). Analytical Methods, 2019, 11, 1174-1179.	2.7	31
5	Quantitative analysis of sinters using laser-induced breakdown spectroscopy (LIBS) coupled with kernel-based extreme learning machine (K-ELM). Analytical Methods, 2018, 10, 1074-1079.	2.7	30
6	Rock and Soil Classification Using PLS-DA and SVM Combined with a Laser-Induced Breakdown Spectroscopy Library. Plasma Science and Technology, 2015, 17, 656-663.	1.5	22
7	Rapid classification of plastic bottles by laser-induced breakdown spectroscopy (LIBS) coupled with partial least squares discrimination analysis based on spectral windows (SW-PLS-DA). Journal of Analytical Atomic Spectrometry, 2019, 34, 1665-1671.	3.0	21
8	The basicity analysis of sintered ore using laser-induced breakdown spectroscopy (LIBS) combined with random forest regression (RFR). Analytical Methods, 2017, 9, 5365-5370.	2.7	19
9	A single-beam-splitting technique combined with a calibration-free method for field-deployable applications using laser-induced breakdown spectroscopy. RSC Advances, 2015, 5, 4537-4546.	3.6	14
10	Quantitative analysis of toxic elements in polypropylene (PP) via laser-induced breakdown spectroscopy (LIBS) coupled with random forest regression based on variable importance (VI-RFR). Analytical Methods, 2019, 11, 4769-4774.	2.7	14
11	Accurate quantification of alkalinity of sintered ore by random forest model based on PCA and variable importance (PCA-VI-RF). Applied Optics, 2020, 59, 2042.	1.8	14
12	The parameter optimization of lasers' energy ratio of the double-pulse laser induced breakdown spectrometry for heavy metal elements in the soil. Analytical Methods, 2021, 13, 1502-1510.	2.7	9
13	An Efficient Hybrid Algorithm for Multiobjective Optimization Problems with Upper and Lower Bounds in Engineering. Mathematical Problems in Engineering, 2015, 2015, 1-13.	1.1	4
14	Design and Development of a Miniature Digital Delay Generator for Laser-Induced Breakdown Spectroscopy. Instrumentation Science and Technology, 2015, 43, 115-124.	1.8	4
15	Elemental analysis of cemented carbides by calibration-free portable laser-induced breakdown spectroscopy. Instrumentation Science and Technology, 2018, 46, 277-291.	1.8	3
16	Efficient Global Motion Estimation Using MacroblocK Pair Vectors. , 2009, , .		2
17	Simulation of Impinging Cooling Performance with Pin Fins and Mist Cooling Adopted in a Simplified Gas Turbine Transition Piece. Advances in Mathematical Physics, 2014, 2014, 1-11.	0.8	1