

# 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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docs citations

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times ranked

478  
citing authors

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