

# Bruce L Chadwick

## List of Publications by Year in descending order

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Version: 2024-02-01

11  
papers

511  
citations

933447

10  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

341  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative determination of wear metals in engine oils using laser-induced breakdown spectroscopy: A comparison between liquid jets and static liquids. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 986-992.	2.9	109
2	Quantitative determination of wear metals in engine oils using LIBS: The use of paper substrates and a comparison between single- and double-pulse LIBS. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1482-1485.	2.9	86
3	A semi-quantitative standard-less analysis method for laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 200-209.	2.9	79
4	Simultaneous elemental analysis system using laser induced breakdown spectroscopy. <i>Review of Scientific Instruments</i> , 2001, 72, 1625.	1.3	68
5	Multiwavelength Monitoring of Photofragment Fluorescence after 193 nm Photolysis of NaCl and NaOH: Application to Measuring the Sodium Species Released from Coal at High Temperatures. <i>Analytical Chemistry</i> , 1995, 67, 710-716.	6.5	49
6	Development and Commercial Evaluation of Laser-Induced Breakdown Spectroscopy Chemical Analysis Technology in the Coal Power Generation Industry. <i>Applied Spectroscopy</i> , 2002, 56, 70-74.	2.2	45
7	Quantitative Detection of Gas-Phase NaOH Using 355-nm Multiple-Photon Absorption and Photofragment Fluorescence. <i>Applied Spectroscopy</i> , 1997, 51, 990-993.	2.2	24
8	Theoretical Modeling of Optimal Focusing Conditions Using Laser-Induced Breakdown Spectroscopy in Liquid Jets. <i>Applied Spectroscopy</i> , 2004, 58, 1353-1359.	2.2	19
9	Monte Carlo simulation of radiation trapping and quenching of photofragment fluorescence after 193 nm photolysis of NaCl. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 1931.	1.7	15
10	Dual beam spectrometer using laser-induced breakdown spectroscopy. <i>Review of Scientific Instruments</i> , 2004, 75, 5050-5052.	1.3	14
11	Flame Front Observation of Ammonia Decomposition and Oxidation Using 193 nm Two-Photon Photolysis and Photofragment Fluorescence. <i>Applied Spectroscopy</i> , 1999, 53, 1222-1225.	2.2	3