

# J Javier Laserna

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3666436/publications.pdf>

Version: 2024-02-01

246  
papers

8,618  
citations

44069

48  
h-index

69250

77  
g-index

249  
all docs

249  
docs citations

249  
times ranked

3928  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-Induced Breakdown Spectroscopy. <i>Analytical Chemistry</i> , 2013, 85, 640-669.	6.5	429
2	Experimental determination of laser induced breakdown thresholds of metals under nanosecond Q-switched laser operation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1998, 53, 723-730.	2.9	256
3	Laser-induced plasma spectrometry: truly a surface analytical tool. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 147-161.	2.9	208
4	Test of a stand-off laser-induced breakdown spectroscopy sensor for the detection of explosive residues on solid surfaces. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 55-60.	3.0	208
5	Platinum-group elements: quantification in collected exhaust fumes and studies of catalyst surfaces. <i>Science of the Total Environment</i> , 2000, 257, 1-15.	8.0	206
6	The development of fieldable laser-induced breakdown spectrometer: No limits on the horizon. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 975-990.	2.9	163
7	The SuperCam Instrument Suite on the NASA Mars 2020 Rover: Body Unit and Combined System Tests. <i>Space Science Reviews</i> , 2021, 217, 4.	8.1	160
8	New challenges and insights in the detection and spectral identification of organic explosives by laser induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 12-20.	2.9	144
9	Diagnostics of silicon plasmas produced by visible nanosecond laser ablation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 275-288.	2.9	129
10	Simultaneous Raman Spectroscopy~Laser-Induced Breakdown Spectroscopy for Instant Standoff Analysis of Explosives Using a Mobile Integrated Sensor Platform. <i>Analytical Chemistry</i> , 2010, 82, 1389-1400.	6.5	126
11	New Raman~Laser-Induced Breakdown Spectroscopy Identity of Explosives Using Parametric Data Fusion on an Integrated Sensing Platform. <i>Analytical Chemistry</i> , 2011, 83, 6275-6285.	6.5	122
12	Chemical analysis of archeological materials in submarine environments using laser-induced breakdown spectroscopy. On-site trials in the Mediterranean Sea. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 74-75, 137-143.	2.9	107
13	Quantitative analysis of low-alloy steel by microchip laser induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 552.	3.0	101
14	Nanometric range depth-resolved analysis of coated-steels using laser-induced breakdown spectrometry with a 308 nm collimated beam. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 793-797.	3.0	94
15	Effect of plasma shielding on laser ablation rate of pure metals at reduced pressure. <i>Surface and Interface Analysis</i> , 1999, 27, 1009-1015.	1.8	94
16	Mapping of Platinum Group Metals in Automotive Exhaust Three-Way Catalysts Using Laser-Induced Breakdown Spectrometry. <i>Analytical Chemistry</i> , 1999, 71, 4385-4391.	6.5	89
17	Infrared laser ablation and atomic emission spectrometry of stainless steel at high temperatures. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 1883-1887.	3.0	86
18	Open-path laser-induced plasma spectrometry for remote analytical measurements on solid surfaces. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 591-599.	2.9	85

#	ARTICLE	IF	CITATIONS
19	Combining fingerprinting capability with trace analytical detection: surface-enhanced raman spectrometry. <i>Analytica Chimica Acta</i> , 1993, 283, 607-622.	5.4	82
20	Depth-resolved Analysis of Multilayered Samples by Laser-induced Breakdown Spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1997, 12, 859-862.	3.0	80
21	Full automation of a laser-induced breakdown spectrometer for quality assessment in the steel industry with sample handling, surface preparation and quantitative analysis capabilities. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 1321-1327.	3.0	80
22	Chronocultural sorting of archaeological bronze objects using laser-induced breakdown spectrometry. <i>Analytica Chimica Acta</i> , 2005, 554, 136-143.	5.4	80
23	Vibrational emission analysis of the CN molecules in laser-induced breakdown spectroscopy of organic compounds. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 89, 77-83.	2.9	77
24	Design, construction and assessment of a field-deployable laser-induced breakdown spectrometer for remote elemental sensing. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 88-95.	2.9	75
25	Elemental analysis of materials in an underwater archeological shipwreck using a novel remote laser-induced breakdown spectroscopy system. <i>Talanta</i> , 2015, 137, 182-188.	5.5	74
26	Multielemental Chemical Imaging Using Laser-Induced Breakdown Spectrometry. <i>Analytical Chemistry</i> , 1997, 69, 2871-2876.	6.5	70
27	Analytical control of liquid steel in an induction melting furnace using a remote laser induced plasma spectrometer. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 462.	3.0	68
28	Laser-Induced Breakdown Spectroscopy (LIBS) of Organic Compounds: A Review. <i>Applied Spectroscopy</i> , 2019, 73, 963-1011.	2.2	68
29	Standoff detection of explosives: critical comparison for ensuing options on Raman spectroscopyâ€“LIBS sensor fusion. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3353-3365.	3.7	67
30	In Situ Analytical Assessment and Chemical Imaging of Historical Buildings Using a Man-Portable Laser System. <i>Applied Spectroscopy</i> , 2007, 61, 558-564.	2.2	65
31	Surface-enhanced Raman analysis of sulfa drugs on colloidal silver dispersion. <i>Analytical Chemistry</i> , 1990, 62, 689-693.	6.5	63
32	Irradiance-dependent depth profiling of layered materials using laser-induced plasma spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1317-1321.	3.0	63
33	Spectroscopic diagnostics on CW-laser welding plasmas of aluminum alloys. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 651-659.	2.9	62
34	Portable instrument and analytical method using laser-induced breakdown spectrometry for in situ characterization of speleothems in karstic caves. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 295-300.	3.0	62
35	Real time and in situ determination of lead in road sediments using a man-portable laser-induced breakdown spectroscopy analyzer. <i>Analytica Chimica Acta</i> , 2009, 633, 38-42.	5.4	62
36	Analysis of explosive residues in human fingerprints using optical catapultingâ€“laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1445.	3.0	62

#	ARTICLE	IF	CITATIONS
37	Standoff LIBS detection of explosive residues behind a barrier. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1123.	3.0	60
38	Depth Profiling of Phosphorus in Photonic-Grade Silicon Using Laser-Induced Breakdown Spectrometry. <i>Applied Spectroscopy</i> , 1998, 52, 444-448.	2.2	59
39	Flow-injection analysis and liquid chromatography: surface-enhanced Raman spectrometry detection by using a windowless flow cell. <i>Analytica Chimica Acta</i> , 1996, 318, 203-210.	5.4	57
40	Angle-Resolved Laser-Induced Breakdown Spectrometry for Depth Profiling of Coated Materials. <i>Applied Spectroscopy</i> , 2000, 54, 1027-1031.	2.2	57
41	Three-dimensional distribution analysis of platinum, palladium and rhodium in auto catalytic converters using imaging-mode laser-induced breakdown spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 177-185.	2.9	55
42	Acoustic and optical emission during laser-induced plasma formation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 1395-1401.	2.9	55
43	Laser-Induced Breakdown Spectrometry of Titanium Dioxide Antireflection Coatings in Photovoltaic Cells. <i>Analytical Chemistry</i> , 1996, 68, 1095-1100.	6.5	54
44	Depth-resolved analysis by laser-induced breakdown spectrometry at reduced pressure. <i>Surface and Interface Analysis</i> , 1998, 26, 995-1000.	1.8	54
45	Remote laser-induced plasma spectrometry for elemental analysis of samples of environmental interest. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1479-1484.	3.0	53
46	Surface-enhanced Raman spectrometry on a silver-coated filter paper substrate. <i>Analytica Chimica Acta</i> , 1988, 208, 21-30.	5.4	51
47	Space and time-resolved laser-induced breakdown spectroscopy using charge-coupled device detection. <i>Fresenius' Journal of Analytical Chemistry</i> , 1996, 355, 10-15.	1.5	49
48	Study on the effect of beam propagation through atmospheric turbulence on standoff nanosecond laser induced breakdown spectroscopy measurements. <i>Optics Express</i> , 2009, 17, 10265.	3.4	49
49	Evaluating the use of standoff LIBS in architectural heritage: surveying the Cathedral of M <span>á</span> jlaga. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 810.	3.0	49
50	Chemical characterization of single micro- and nano-particles by optical catapulting <span>â</span> “optical trapping <span>â</span> “laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 100, 78-85.	2.9	49
51	Dual-Spectroscopy Platform for the Surveillance of Mars Mineralogy Using a Decisions Fusion Architecture on Simultaneous LIBS-Raman Data. <i>Analytical Chemistry</i> , 2018, 90, 2079-2087.	6.5	49
52	Mixture analysis and quantitative determination of nitrogen-containing organic molecules by surface-enhanced Raman spectrometry. <i>Analytical Chemistry</i> , 1989, 61, 1697-1701.	6.5	48
53	Spatial distribution profiles of magnesium and strontium in speleothems using laser-induced breakdown spectrometry. <i>Fresenius' Journal of Analytical Chemistry</i> , 1998, 361, 119-123.	1.5	48
54	Remote sensing instrument for solid samples based on open-path atomic emission spectrometry. <i>Review of Scientific Instruments</i> , 2004, 75, 2068-2074.	1.3	48

#	ARTICLE	IF	CITATIONS
55	Insights in the laser-induced breakdown spectroscopy signal generation underwater using dual pulse excitation " Part I: Vapor bubble, shockwaves and plasma. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 82, 42-49.	2.9	48
56	A study of underwater stand-off laser-induced breakdown spectroscopy for chemical analysis of objects in the deep ocean. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1050-1056.	3.0	48
57	Laser-induced breakdown spectroscopy of silicate, vanadate and sulfide rocks. <i>Talanta</i> , 1996, 43, 1149-1154.	5.5	47
58	Sensing Signatures Mediated by Chemical Structure of Molecular Solids in Laser-Induced Plasmas. <i>Analytical Chemistry</i> , 2015, 87, 2794-2801.	6.5	47
59	Man-Portable Laser-Induced Breakdown Spectroscopy System for in <i>&lt;i&gt;Situ&lt;/i&gt;</i> Characterization of Karstic Formations. <i>Applied Spectroscopy</i> , 2008, 62, 1250-1255.	2.2	46
60	Direct determination of the nutrient profile in plant materials by femtosecond laser-induced breakdown spectroscopy. <i>Analytica Chimica Acta</i> , 2015, 876, 26-38.	5.4	46
61	Identification of stimulant drugs by surface-enhanced Raman spectrometry on colloidal silver. <i>Vibrational Spectroscopy</i> , 1991, 2, 145-154.	2.2	45
62	Surface and tomographic distribution of carbon impurities in photonic-grade silicon using laser-induced breakdown spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1998, 13, 557-560.	3.0	45
63	Quantitative analysis of samples at high temperature with remote laser-induced breakdown spectrometry using a room-temperature calibration plot. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1034-1039.	2.9	45
64	Distribution of metal impurities in silicon wafers using imaging-mode multi-elemental laser-induced breakdown spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 199-204.	3.0	44
65	Advanced recognition of explosives in traces on polymer surfaces using LIBS and supervised learning classifiers. <i>Analytica Chimica Acta</i> , 2014, 806, 107-116.	5.4	44
66	Studies of sample preparation for surface-enhanced raman spectrometry on silver hydrosols. <i>Analytica Chimica Acta</i> , 1987, 200, 469-480.	5.4	43
67	Analysis by surface enhanced Raman spectrometry on silver hydrosols and silver coated filter papers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1988, 6, 599-608.	2.8	43
68	Development of a portable laser-induced plasma spectrometer with fully-automated operation and quantitative analysis capabilities. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 933-938.	3.0	43
69	Comparison of double-pulse and single-pulse laser-induced breakdown spectroscopy techniques in the analysis of powdered samples of silicate raw materials for the brick-and-tile industry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 42-50.	2.9	43
70	Spectrochemical study for the in situ detection of oil spill residues using laser-induced breakdown spectroscopy. <i>Analytica Chimica Acta</i> , 2010, 683, 52-57.	5.4	43
71	Molecular signatures in femtosecond laser-induced organic plasmas: comparison with nanosecond laser ablation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 2398-2408.	2.8	43
72	Adaptive approach for variable noise suppression on laser-induced breakdown spectroscopy responses using stationary wavelet transform. <i>Analytica Chimica Acta</i> , 2012, 754, 8-19.	5.4	42

#	ARTICLE	IF	CITATIONS
73	Multielemental analysis of prehistoric animal teeth by laser-induced breakdown spectroscopy and laser ablation inductively coupled plasma mass spectrometry. <i>Applied Optics</i> , 2010, 49, C191.	2.1	40
74	Line-focused laser ablation for depth-profiling analysis of coated and layered materials. <i>Applied Optics</i> , 2003, 42, 6057.	2.1	39
75	Deep Ablation and Depth Profiling by Laser-Induced Breakdown Spectroscopy (LIBS) Employing Multi-Pulse Laser Excitation: Application to Galvanized Steel. <i>Applied Spectroscopy</i> , 2011, 65, 797-805.	2.2	39
76	Recognition of explosives fingerprints on objects for courier services using machine learning methods and laser-induced breakdown spectroscopy. <i>Talanta</i> , 2013, 110, 108-117.	5.5	39
77	Laser-Induced Breakdown Spectroscopy (LIBS): Fast, Effective, and Agile Leading Edge Analytical Technology. <i>Applied Spectroscopy</i> , 2018, 72, 35-50.	2.2	39
78	Microspectrometric investigation of active substrates for surface enhanced Raman scattering. <i>Analytica Chimica Acta</i> , 1990, 237, 439-450.	5.4	38
79	Direct determination of diuretic drugs in urine by capillary zone electrophoresis using fluorescence detection. <i>Biomedical Applications</i> , 1996, 687, 145-150.	1.7	38
80	Compositional Mapping of Poisoning Elements in Automobile Three-Way Catalytic Converters by Using Laser-Induced Breakdown Spectrometry. <i>Applied Spectroscopy</i> , 2001, 55, 267-272.	2.2	38
81	Remote, real-time, on-line monitoring of high-temperature samples by noninvasive open-path laser plasma spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 1144-1147.	3.7	38
82	New chemometrics in laser-induced breakdown spectroscopy for recognizing explosive residues. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 2111.	3.0	38
83	Assessment of statistical uncertainty in the quantitative analysis of solid samples in motion using laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 680-687.	2.9	37
84	Location and detection of explosive-contaminated human fingerprints on distant targets using standoff laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 85, 71-77.	2.9	37
85	Spectral analysis of the acoustic emission of laser-produced plasmas. <i>Applied Optics</i> , 2003, 42, 6078.	2.1	36
86	Fast spatially resolved surface-enhanced Raman spectrometry on a silver coated filter paper using charge-coupled device detection. <i>Analytica Chimica Acta</i> , 1995, 310, 337-345.	5.4	35
87	The potential of laser-induced breakdown spectrometry for real time monitoring the laser cleaning of archaeometallurgical objects. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 1191-1197.	2.9	35
88	Range-Adaptive Standoff Recognition of Explosive Fingerprints on Solid Surfaces using a Supervised Learning Method and Laser-Induced Breakdown Spectroscopy. <i>Analytical Chemistry</i> , 2014, 86, 5045-5052.	6.5	35
89	Effect of surface topography in the characterization of stainless steel using laser-induced breakdown spectrometry. <i>Surface and Interface Analysis</i> , 1999, 27, 805-810.	1.8	34
90	A theoretical study of atmospheric propagation of laser and return light for stand-off laser induced breakdown spectroscopy purposes. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 305-311.	2.9	34

#	ARTICLE	IF	CITATIONS
91	Preliminary studies on stand-off laser induced breakdown spectroscopy detection of aerosols. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 885.	3.0	34
92	Evaluation and optimization of experimental conditions for surface-enhanced Raman detection of analytes in flow injection analysis. <i>Microchemical Journal</i> , 1988, 38, 125-136.	4.5	33
93	Surface Stoichiometry of Manganin Coatings Prepared by Pulsed Laser Deposition As Described by Laser-Induced Breakdown Spectrometry. <i>Analytical Chemistry</i> , 2001, 73, 1120-1125.	6.5	33
94	Comparative analysis of layered materials using laser-induced plasma spectrometry and laser-ionization time-of-flight mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2001, 56, 923-931.	2.9	33
95	Unveiling the identity of distant targets through advanced Raman-laser-induced breakdown spectroscopy data fusion strategies. <i>Talanta</i> , 2015, 134, 627-639.	5.5	33
96	Surface-enhanced Raman spectrometry of chiral $\beta$ -blocker drugs on colloidal silver. <i>Analytica Chimica Acta</i> , 1996, 335, 87-94.	5.4	31
97	Room temperature pulsed laser deposited ZnO thin films as photoluminescence gas sensors. <i>Applied Surface Science</i> , 2012, 259, 806-810.	6.1	31
98	Fundamentals of stand-off Raman scattering spectroscopy for explosive fingerprinting. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 121-130.	2.5	31
99	Evaluation of laser-induced breakdown spectroscopy analysis potential for addressing radiological threats from a distance. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 96, 12-20.	2.9	31
100	Exploring the formation routes of diatomic hydrogenated radicals using femtosecond laser-induced breakdown spectroscopy of deuterated molecular solids. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2343-2352.	3.0	31
101	A microanalytical study of aluminium diffusion in photovoltaic cells using imaging-mode laser-induced breakdown spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000, 55, 1241-1248.	2.9	30
102	Surface interaction and chemical imaging in plasma spectrometry induced with a line-focused laser beam. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 601-608.	2.9	30
103	Thermal-to-plasma transitions and energy thresholds in laser ablated metals monitored by atomic emission/mass spectrometry coincidence analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 948-954.	2.9	30
104	Stand-off analysis of moving targets using laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 84-87.	3.0	30
105	Laser ablation of powdered samples and analysis by means of laser-induced breakdown spectroscopy. <i>Applied Surface Science</i> , 2009, 255, 5329-5333.	6.1	30
106	Primary and recombined emitting species in laser-induced plasmas of organic explosives in controlled atmospheres. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1675-1685.	3.0	30
107	Detection of banned drugs in sport by micellar liquid chromatography. <i>Analytica Chimica Acta</i> , 1992, 259, 203-210.	5.4	29
108	Time-resolved laser-induced plasma spectrometry for determination of minor elements in steelmaking process samples. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 352-359.	3.7	29



#	ARTICLE	IF	CITATIONS
109	Surface-enhanced Raman spectrometry for detection in liquid chromatography using a windowless flow cell. <i>Talanta</i> , 1993, 40, 1741-1747.	5.5	28
110	Glow-Discharge-Assisted Laser-Induced Breakdown Spectroscopy: Increased Sensitivity in Solid Analysis. <i>Applied Spectroscopy</i> , 2008, 62, 1262-1267.	2.2	28
111	Quantitative analysis by surface-enhanced Raman spectrometry on silver hydrosols in a flow-injection system. <i>Talanta</i> , 1987, 34, 745-747.	5.5	27
112	Detection of atmospheric contaminants in aerosols by surface-enhanced Raman spectrometry. <i>Analytica Chimica Acta</i> , 1997, 355, 15-21.	5.4	27
113	Evaluation of silver substrates for surface-enhanced Raman detection of drugs banned in sport practices. <i>Analytica Chimica Acta</i> , 1998, 376, 255-263.	5.4	27
114	Determination of antipyrine metabolites in human plasma by solid-phase extraction and micellar liquid chromatography. <i>Analyst</i> , The, 1995, 120, 1729.	3.5	26
115	Calibration transfer method for the quantitative analysis of high-temperature materials with stand-off laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 1275.	3.0	26
116	Spatial distribution of paleoclimatic proxies in stalagmite slabs using laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 868.	3.0	26
117	Atomization efficiency and photon yield in laser-induced breakdown spectroscopy analysis of single nanoparticles in an optical trap. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 130, 75-81.	2.9	26
118	Pulsed-laser fluorescence detection in capillary zone electrophoresis of some banned substances in sport. <i>Analytica Chimica Acta</i> , 1993, 282, 687-693.	5.4	25
119	Fast Atomic Mapping of Heterogeneous Surfaces Using Microline-Imaging Laser-Induced Breakdown Spectrometry. <i>Applied Spectroscopy</i> , 2000, 54, 1429-1434.	2.2	25
120	Libraries for spectrum identification: Method of normalized coordinates versus linear correlation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 383-388.	2.9	25
121	Spectral Identification in the Attogram Regime through Laser-Induced Emission of Single Optically Trapped Nanoparticles in Air. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14178-14182.	13.8	25
122	Capillary zone electrophoresis for the rapid screening of banned drugs in sport. <i>Electrophoresis</i> , 1994, 15, 240-243.	2.4	24
123	Automated Line-Focused Laser Ablation for Mapping of Inclusions in Stainless Steel. <i>Applied Spectroscopy</i> , 2003, 57, 1461-1467.	2.2	24
124	Large area mapping of non-metallic inclusions in stainless steel by an automated system based on laser ablation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 567-575.	2.9	24
125	Real-Time Monitoring of High-Temperature Corrosion in Stainless Steels by Open-Path Laser-Induced Plasma Spectrometry. <i>Applied Spectroscopy</i> , 2004, 58, 1347-1352.	2.2	24
126	Alternative Statistical Methods for Spectral Data Processing: Applications to Laser-Induced Breakdown Spectroscopy of Gaseous and Aerosol Systems. <i>Applied Spectroscopy</i> , 2008, 62, 1144-1152.	2.2	24



#	ARTICLE	IF	CITATIONS
127	Spatial distribution of catalytically active elements and deactivants in diesel-engine automobile converters by laser-induced plasma spectrometry. Electronic Supplementary Information available: spectra corresponding to the washcoat and cordierite. See <a href="http://www.rsc.org/suppdata/ja/b2/b200975g">http://www.rsc.org/suppdata/ja/b2/b200975g</a> . Journal of Analytical Atomic Spectrometry, 2002, 17, 549-551.	3.0	23
128	Laser-induced plasma spectroscopy of organic compounds. Understanding fragmentation processes using ion-photon coincidence measurements. Journal of Analytical Atomic Spectrometry, 2013, 28, 1377.	3.0	22
129	Surface-enhanced Raman spectrometry on a silver substrate prepared by the nitric acid etching method. Analytica Chimica Acta, 1994, 291, 147-153.	5.4	21
130	Applications of laser-induced breakdown spectrometry (LIBS) in surface analysis. Analytical and Bioanalytical Chemistry, 1996, 355, 909-912.	3.7	21
131	Removal of Air Interference in Laser-induced Breakdown Spectrometry Monitored by Spatially and Temporally Resolved Charge-coupled Device Measurements. Journal of Analytical Atomic Spectrometry, 1997, 12, 441-444.	3.0	21
132	Depth profile analysis of layered samples using glow discharge assisted Laser-induced Breakdown Spectrometry (GD-LIBS). Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 378-383.	2.9	21
133	At-line monitoring of continuous casting sequences of steel using discriminant function analysis and dual-pulse laser-induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2017, 32, 1119-1128.	3.0	21
134	Solid-surface room-temperature phosphorimetric detection of caffeine, theophylline and theobromine in liquid chromatography. Analytica Chimica Acta, 1991, 244, 215-222.	5.4	20
135	Laser induced breakdown spectrometry of vanadium in titania supported silica catalysts. Talanta, 1998, 47, 143-151.	5.5	20
136	Energy assistance in laser induced plasma spectrometry (LIPS) by a synchronized microsecond-pulsed glow discharge secondary excitation. Journal of Analytical Atomic Spectrometry, 2007, 22, 183-186.	3.0	20
137	Laser-induced breakdown spectroscopy of solid aerosols produced by optical catapulting. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 642-648.	2.9	20
138	Selective Sampling and Laser-Induced Breakdown Spectroscopy (LIBS) Analysis of Organic Explosive Residues on Polymer Surfaces. Applied Spectroscopy, 2012, 66, 1197-1203.	2.2	20
139	Optical Trapping as a Morphologically Selective Tool for In Situ LIBS Elemental Characterization of Single Nanoparticles Generated by Laser Ablation of Bulk Targets in Air. Analytical Chemistry, 2021, 93, 2635-2643.	6.5	20
140	Pressure Effects in Laser-Induced Plasmas of Trinitrotoluene and Pyrene by Laser-Induced Breakdown Spectroscopy (LIBS). Applied Spectroscopy, 2014, 68, 33-38.	2.2	19
141	Subfemtogram Simultaneous Elemental Detection in Multicomponent Nanomatrices Using Laser-Induced Plasma Emission Spectroscopy within Atmospheric Pressure Optical Traps. Analytical Chemistry, 2019, 91, 7444-7449.	6.5	19
142	Spectrophotometric reaction-rate method for the determination of nitrite in waters with pyridine-2-aldehyde 2-pyridylhydrazone. Talanta, 1987, 34, 1021-1026.	5.5	18
143	Determination of trace amounts of carbaryl in water by solid-phase laser-induced fluorescence. Talanta, 1997, 44, 443-449.	5.5	18
144	Chemical maps of patterned samples by microline-imaging laser-induced plasma spectrometry. Surface and Interface Analysis, 2003, 35, 263-267.	1.8	18

#	ARTICLE	IF	CITATIONS
145	Characteristics of solid aerosols produced by optical catapulting studied by laser-induced breakdown spectroscopy. <i>Applied Surface Science</i> , 2010, 256, 5924-5928.	6.1	18
146	Saturation effects in the laser ablation of stainless steel in air at atmospheric pressure. <i>Fresenius' Journal of Analytical Chemistry</i> , 1999, 365, 404-408.	1.5	17
147	Chemical Imaging Using Microline Laser Ablation: Performance Comparison of Gaussian and Flat Top Lasers. <i>Applied Spectroscopy</i> , 2003, 57, 343-348.	2.2	17
148	Depth profiles of ceramic tiles by using orthogonal double-pulse laser induced breakdown spectrometry. <i>Surface and Interface Analysis</i> , 2009, 41, 714-719.	1.8	17
149	Multi-Pulse Excitation for Underwater Analysis of Copper-Based Alloys Using a Novel Remote Laser-Induced Breakdown Spectroscopy (LIBS) System. <i>Applied Spectroscopy</i> , 2016, 70, 618-626.	2.2	17
150	Spatial distribution analysis of strontium in human teeth by laser-induced breakdown spectroscopy: application to diagnosis of seawater drowning. <i>International Journal of Legal Medicine</i> , 2015, 129, 807-813.	2.2	16
151	Optical trapping reveals differences in dielectric and optical properties of copper nanoparticles compared to their oxides and ferrites. <i>Scientific Reports</i> , 2020, 10, 1198.	3.3	16
152	Imaging and space-resolved spectroscopy in the XeCl laser ablation of noble metals with charge-coupled device detection. <i>Analytica Chimica Acta</i> , 1994, 289, 113-120.	5.4	15
153	New insights into the potential factors affecting the emission spectra variability in standoff LIBS. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1750.	3.0	15
154	Distinction strategies based on discriminant function analysis for particular steel grades at elevated temperature using stand-off LIBS. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2242-2252.	3.0	15
155	Acting Role of Background Gas in the Emission Response of Laser-Induced Plasmas of Energetic Nitro Compounds. <i>Applied Spectroscopy</i> , 2016, 70, 1364-1374.	2.2	15
156	Standoff monitoring of aqueous aerosols using nanosecond laser-induced breakdown spectroscopy: droplet size and matrix effects. <i>Applied Optics</i> , 2017, 56, 3773.	2.1	15
157	Kinetic fluorimetric determination of inorganic species by bromate oxidation of chelating agent and complexation with metal ions. <i>Analytical Chemistry</i> , 1983, 55, 253-256.	6.5	14
158	On-Line Laser-Induced Breakdown Spectroscopy Determination of Magnesium Coating Thickness on Electrolytically Galvanized Steel in Motion. <i>Applied Spectroscopy</i> , 2010, 64, 1342-1349.	2.2	14
159	Kinetic Determination of Nitrite in Drinking Water by Fluorometry.. <i>Analytical Sciences</i> , 1991, 7, 467-471.	1.6	13
160	Oil-In-Water Microemulsions as Mobile Phases for Rapid Screening of Illegal Drugs in Sports. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1992, 15, 3115-3127.	1.0	13
161	Improvement in fingerprinting capability of surface enhanced Raman spectrometry by simultaneous measurement of scattering signal and transmitted light. <i>Analytical Chemistry</i> , 1992, 64, 2715-2719.	6.5	13
162	Effect of substrate optical absorption on surface-enhanced Raman spectrometry on colloidal silver. <i>Analytical Chemistry</i> , 1992, 64, 2006-2009.	6.5	13

#	ARTICLE	IF	CITATIONS
163	Atomic emission spectroscopy of laser-induced plasmas generated with an annular-shaped laser beam. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 445-450.	3.0	13
164	LIBS-Acoustic Mid-Level Fusion Scheme for Mineral Differentiation under Terrestrial and Martian Atmospheric Conditions. <i>Analytical Chemistry</i> , 2022, 94, 1840-1849.	6.5	13
165	Evaluation of micellar liquid chromatography and capillary zone electrophoresis for dope control in sport. <i>Mikrochimica Acta</i> , 1995, 118, 273-282.	5.0	12
166	Nanometric in-depth characterization of P diffusion and TiO <sub>2</sub> anti-reflective coatings in solar cells by laser ionization time-of-flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 779.	3.0	12
167	Condensed-phase laser ionization time-of-flight mass spectrometry of highly energetic nitroaromatic compounds. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1807-1813.	1.5	12
168	Potential of laser-induced breakdown spectroscopy for discrimination of nano-sized carbon materials. Insights on the optical characterization of graphene. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 97, 105-112.	2.9	12
169	Iron(III) as activator for catalytic fluorimetric microdetermination of V(V). <i>Talanta</i> , 1982, 29, 615-618.	5.5	11
170	Fingerprinting and activity of sulphha drugs in Surface-enhanced Raman spectrometry on silver hydrosols. <i>Analyst</i> , 1990, 115, 1601.	3.5	11
171	Solid surface room-temperature phosphorescence analysis of banned substances in sport. <i>Analytica Chimica Acta</i> , 1992, 270, 239-245.	5.4	11
172	Detectability and discrimination of biomarker organic precursors in a low pressure CO <sub>2</sub> atmosphere by LIBS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1947-1955.	3.0	11
173	Surface-enhanced Raman spectrometry of triamterene on a silver substrate prepared by the nitric acid etching method. <i>Talanta</i> , 1997, 44, 213-220.	5.5	10
174	Third International Conference on Laser Induced Plasma Spectroscopy and Applications (LIBS 2004). <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 877-878.	2.9	10
175	Effect of Pulse Duration in Multi-Pulse Excitation of Silicon in Laser-Induced Breakdown Spectroscopy (LIBS). <i>Applied Spectroscopy</i> , 2014, 68, 1060-1066.	2.2	10
176	Determination of plasma ignition threshold fluence during femtosecond single-shot laser ablation on metallic samples detected by optical emission spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1730-1735.	3.0	10
177	Visualization of surface transformations during laser ablation of solids by femtosecond pump-probe time-resolved microscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 113, 30-36.	2.9	10
178	Investigation on the origin of molecular emissions in laser-induced breakdown spectroscopy under Mars-like atmospheric conditions of isotope-labeled compounds of interest in astrobiology. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 179, 106114.	2.9	10
179	A fluorimetric method for the determination of traces of gallium. <i>Analytica Chimica Acta</i> , 1980, 121, 295-300.	5.4	9
180	Simultaneous Determination of o-Phthalaldehyde Derived Serotonin and Melatonin Using Second Derivative and Synchronized Scanning Fluorimetry. <i>Analytical Letters</i> , 1986, 19, 1097-1106.	1.8	9

#	ARTICLE	IF	CITATIONS
181	Surface-enhanced Raman spectrometry of amiloride on colloidal silver. <i>Analytica Chimica Acta</i> , 1993, 280, 263-268.	5.4	9
182	Optical Restriction of Plasma Emission Light for Nanometric Sampling Depth and Depth Profiling of Multilayered Metal Samples. <i>Applied Spectroscopy</i> , 2007, 61, 719-724.	2.2	9
183	Monitoring the dynamics of the surface deformation prior to the onset of plasma emission during femtosecond laser ablation of noble metals by time-resolved reflectivity microscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 131, 1-7.	2.9	9
184	Multianalytical and multiproxy approach to the characterization of a Paleolithic lamp. An example in Nerja cave (Southern Iberian Peninsula). <i>Journal of Archaeological Science: Reports</i> , 2019, 28, 102021.	0.5	9
185	Surface-enhanced resonance Raman spectroscopy of 2-pyridylhydrazone and 1,10-phenanthroline chelate complexes with metal ions on colloidal silver. <i>Analytica Chimica Acta</i> , 1996, 318, 229-237.	5.4	8
186	Study of experimental parameters for improved adsorbate detectability in SERS using etched silver substrates. <i>Surface and Interface Analysis</i> , 2000, 30, 592-596.	1.8	8
187	Energy-resolved depth profiling of metal-polymer interfaces using dynamic quadrupole secondary ion mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2357-2362.	1.5	8
188	Production of aerosols by optical catapulting: Imaging, performance parameters and laser-induced plasma sampling rate. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 89, 1-6.	2.9	8
189	Time-Resolved Constant-Energy Synchronous Phosphorimetry. <i>Applied Spectroscopy</i> , 1988, 42, 1112-1117.	2.2	7
190	A spatial distribution study of analyte concentration in solid substrate surface-enhanced Raman spectroscopy. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1991, 47, 329-337.	0.1	7
191	Solvent Effects on Surface-Enhanced Raman Activity of Adsorbates on Colloidal Silver. <i>Applied Spectroscopy</i> , 1994, 48, 219-223.	2.2	7
192	A comparison of surface-enhanced Raman spectroscopic and fluorimetric detection of the phenothiazine derivative trifluoperazine and its photooxidation products. <i>Analytica Chimica Acta</i> , 1998, 369, 197-204.	5.4	7
193	Laser-induced breakdown spectroscopy of metals covered by water droplets. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 74-75, 95-102.	2.9	7
194	Isomer discrimination in condensed phase by laser-induced breakdown spectrometry and laser-ionization mass spectrometry using a tailored paired-pulse excitation scheme. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1469-1476.	3.0	7
195	Benzyl 2-pyridyl ketone 2-pyridylhydrazone as reagent for the fluorimetric determination of zinc at ng/ml levels. <i>Talanta</i> , 1982, 29, 511-514.	5.5	6
196	Spectrophotometric determination of cobalt in paints and environmental paint samples. <i>Analyst, The</i> , 1982, 107, 35-40.	3.5	6
197	Selective fluorimetric determination of nanogram amounts of zinc in workplace fumes. <i>Analytica Chimica Acta</i> , 1983, 147, 303-309.	5.4	6
198	Coupling of redox and complex formation processes for the kinetic determination of palladium. <i>Analyst, The</i> , 1985, 110, 1339.	3.5	6

#	ARTICLE	IF	CITATIONS
199	Ion extraction effects on the in-depth analysis of layered samples by time-of-flight mass spectrometry of laser-induced plasmas. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 929-932.	3.0	6
200	Focused ion beam imaging of laser ablation sub-surface effects on layered materials. <i>Applied Surface Science</i> , 2008, 255, 2265-2269.	6.1	6
201	Experimental variables and matrix effects associated with the onset of ion generation in laser ionization of solid samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1424.	3.0	6
202	Optical Catapulting Laser Induced Breakdown Spectroscopy (OC-LIBS) And Conventional LIBS: A comparative Study. <i>AIP Conference Proceedings</i> , 2011, . .	0.4	6
203	Coupled redox and complex formation processes as a kinetic fluorimetric method for the determination of cobalt. <i>Fresenius Zeitschrift Für Analytische Chemie</i> , 1983, 315, 491-495.	0.8	5
204	Selective spectrofluorimetric determination of zinc with benzyl 2-pyridyl ketone 2-quinolyldiazone and its application to sea-water analyses. <i>Mikrochimica Acta</i> , 1983, 80, 197-204.	5.0	5
205	Constant-energy synchronous, time-resolved, room-temperature phosphorimetry. <i>Microchemical Journal</i> , 1988, 38, 313-321.	4.5	5
206	Room-temperature phosphorimetry of methylxanthine stimulants on zeolite-modified filter paper substrates. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 346, 1003-1007.	1.5	5
207	Determination of Dipyron Metabolites in Human Plasma by Micellar Liquid Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1993, 16, 2767-2775.	1.0	5
208	Two-pulse delayed 532-nm laser ionization of metals using collinear sub-threshold beams. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1999-2005.	1.5	5
209	SIMS investigation on the effect of the interstitial moisture in metallized polymer films. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 669.	3.0	5
210	A spectral sieve-based strategy for sensing inorganic and organic traces on solid surfaces using laser-induced breakdown spectroscopy. <i>Analytical Methods</i> , 2015, 7, 7280-7289.	2.7	5
211	Energy transfer mechanisms in laser-induced plasmas: Variation of physical traits mediated by the presence of single optically-trapped nanoparticulate material. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2021, 180, 106193.	2.9	5
212	Size-dependent synergetic seeding effects in the inspection of airborne dry nanoaerosols by LIBS. <i>Talanta</i> , 2022, 239, 123067.	5.5	5
213	Progress in arsenic determination at low levels in copper ores by laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022, 195, 106501.	2.9	5
214	Double exponential phase plane method for decay analysis in room temperature phosphorimetry. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1992, 48, 569-575.	0.1	4
215	Subthreshold two-pulse time-delayed laser ionization of Cu. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 963-967.	2.3	4
216	Optical emission analysis of solid samples by decoupled sputtering/excitation using a low fluence laser synchronized with a pulsed glow discharge. <i>Applied Surface Science</i> , 2009, 255, 8841-8845.	6.1	4

#	ARTICLE	IF	CITATIONS
217	Secondary ion mass spectrometry of powdered explosive compounds for forensic evidence analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1203-1207.	1.5	4
218	Fast and In-Situ Identification of Archaeometallurgical Collections in the Museum of Malaga Using Laser-Induced Breakdown Spectroscopy and a New Mathematical Algorithm. <i>Heritage</i> , 2020, 3, 1330-1343.	1.9	4
219	Refractory residues classification strategy using emission spectroscopy of laser-induced plasmas in tandem with a decision tree-based algorithm. <i>Analytica Chimica Acta</i> , 2022, 1191, 339294.	5.4	4
220	Spectrofluorimetric Determination of Nanogram Amounts of Cadmium with Benzyl-2-Pyridylketone 2-Pyridylhydrazone. <i>Analytical Letters</i> , 1981, 14, 833-840.	1.8	3
221	Studies on ground and excited state prototropic equilibria of 2-fluorenaldehyde 2-pyridylhydrazone. <i>Journal of Luminescence</i> , 1982, 26, 427-435.	3.1	3
222	Rapid determination of ketanserin in serum by synchronous scanning fluorometry combined with derivative spectroscopy. <i>Microchemical Journal</i> , 1988, 38, 362-369.	4.5	3
223	Phase Plane Method for Room-Temperature Phosphorescence Lifetime Determination of Single and Double Exponential Decays. <i>Applied Spectroscopy</i> , 1990, 44, 465-469.	2.2	3
224	Investigation of metallic interdiffusion in Al <sub>x</sub> Ga <sub>1-x</sub> N/GaN/sapphire heterostructures used for microelectronic devices by SEM/EDX and SIMS depth profiling. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2865-2871.	3.7	3
225	Atomic/molecular depth profiling of nanometric metallized polymer thin films by secondary ion mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 463-468.	1.5	3
226	Effects of post-growth thermal annealing on room temperature pulsed laser deposited ZnO thin films. <i>Journal of Physics: Conference Series</i> , 2016, 687, 012028.	0.4	3
227	Kinetic-fluorimetric determination of magnesium in micellar medium. <i>Microchemical Journal</i> , 1982, 27, 312-318.	4.5	2
228	Development of an energy-resolved method for SIMS in-depth analysis of metal-polymer interfaces. <i>Surface and Interface Analysis</i> , 2011, 43, 632-634.	1.8	2
229	Multi-analytical study of patination methods on steel substrates: a full insight into surface chemistry and morphology. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2277-2285.	3.7	2
230	Angle of Observation Influence on Emission Signal from Spatially Confined Laser-Induced Plasmas. <i>Applied Spectroscopy</i> , 2017, 71, 87-96.	2.2	2
231	Onset of optical emission in femtosecond laser-induced plasmas and its correlation with surface dynamics monitored by pump-probe time-resolved microscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 2119-2125.	3.0	2
232	A Spectrofluorimetric Method For Renin. Comparison With Bioassay And Radioimmunoassay. <i>Analytical Letters</i> , 1981, 14, 1669-1678.	1.8	1
233	Kinetic determination of cobalt by complexation with pyridine-2-aldehyde 2-pyridylhydrazone and ligand oxidation with bromate. <i>Mikrochimica Acta</i> , 1985, 86, 457-467.	5.0	1
234	Electronic signal derivation to improve the performance of kinetic methods of analysis. <i>Analyst</i> , The, 1990, 115, 1617.	3.5	1

#	ARTICLE	IF	CITATIONS
235	Sample illumination configurations for spatially resolved Raman spectrometry using a charge-coupled device detector. <i>Talanta</i> , 1995, 42, 1379-1383.	5.5	1
236	Depth-profiling analysis of MOCVD-grown triple junction solar cells by SIMS. <i>Surface and Interface Analysis</i> , 2011, 43, 646-648.	1.8	1
237	Spectral Identification in the Attogram Regime through Laser-Induced Emission of Single Optically Trapped Nanoparticles in Air. <i>Angewandte Chemie</i> , 2017, 129, 14366-14370.	2.0	1
238	Remotely Exploring Deeper-Into-Matter by Non-Contact Detection of Audible Transients Excited by Laser Radiation. <i>Sensors</i> , 2017, 17, 2960.	3.8	1
239	Wavelength and energy dependence on ablation dynamics under femtosecond laser pulses observed by time-resolved pump-probe microscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 158, 105634.	2.9	1
240	Effect of plasma shielding on laser ablation rate of pure metals at reduced pressure. <i>Surface and Interface Analysis</i> , 1999, 27, 1009-1015.	1.8	1
241	Pressure Effects on Simultaneous Optical and Acoustics Data from Laser-Induced Plasmas in Air: Implications to the Differentiation of Geological Materials. <i>Applied Spectroscopy</i> , 2022, 76, 946-958.	2.2	1
242	Fluorescence immunoassay for angiotensin I. <i>Analytica Chimica Acta</i> , 1985, 170, 133-137.	5.4	0
243	A fluorimetric kinetic method for the determination of tonin activity in rat submaxillary glands. <i>Microchemical Journal</i> , 1985, 32, 317-323.	4.5	0
244	The CSI XXXIII Award Address. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 395-396.	2.9	0
245	Chemical imaging of surfaces using LIBS. , 0, , 254-281.		0
246	Study of Metal Organic Chemical Vapour Deposition (MOCVD) semiconductors III-V hyperstructures with Secondary Ion Mass Spectrometry (SIMS). <i>IOP Conference Series: Materials Science and Engineering</i> , 2014, 59, 012002.	0.6	0