Vincenzo Palleschi

List of Publications by Year
in descending order

249	10,015	47006 47	48315 88
papers	citations	h-index	g-index

258	258	258	3891
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparison of Convolutional and Conventional Artificial Neural Networks for Laser-Induced Breakdown Spectroscopy Quantitative Analysis. Applied Spectroscopy, 2022, 76, 959-966.	2.2	7
2	Digital image analysis on cathodoluminescence microscopy images for ancient ceramic classification: methods, applications, and perspectives. European Physical Journal Plus, 2022, 137, .	2.6	1
3	The Cultural Heritage of â€œBlack Stonesâ€•(Lapis Aequipondus/Martyrum) of Leopardiâ€™s Child Home (Recanati, Italy). Materials, 2022, 15, 3828.	2.9	2
4	Increasing resolution in chemical mapping of geomaterials: From X-ray fluorescence to laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2022, 194, 106482.	2.9	6
5	Graphene thin film microextraction and nanoparticle enhancement for fast LIBS metal trace analysis in liquids. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2022, 194, 106471.	2.9	8
6	Temporal analysis of self-reversed Ag I resonant lines in LIBS experiment at different laser pulse energy and in different surrounding media. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2022, 195, 106489.	2.9	6
7	Evaluation of Thin Film Microextraction for trace elemental analysis of liquid samples using LIBS detection. Talanta, 2021, 223, 121736.	5.5	28
8	Understanding the source of signal fuctuations in laser-induced breakdown spectroscopy analytical applications. Frontiers of Physics, 2021, 16, 1.	5.0	3
9	Laserâ€induced breakdown spectroscopy and chemometric analysis of black toners for forensic applications. Journal of Chemometrics, 2021, 35, e3334.	1.3	8
10	60 years of street art: A comparative study of the artistsâ€™ materials through spectroscopic and mass spectrometric approaches. Journal of Cultural Heritage, 2021, 48, 129-140.	3.3	15
11	Determination of Spectroscopic Parameters of Ag(I) and Ag(II) Emission Lines Using Time-Independent Extended C-Sigma Method. Applied Spectroscopy, 2021, 75, 654-660.	2.2	4
12	Branching Ratio Method for Assessing Optically Thin Conditions in Laser-Induced Plasmas. Applied Spectroscopy, 2021, 75, 000370282110067.	2.2	2
13	Multielemental analysis of Antarctic soils using calibration free laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 180, 106191.	2.9	12
14	Laser-Induced Breakdown Spectroscopy elemental mapping of the construction material from the Smederevo Fortress (Republic of Serbia). Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 181, 106219.	2.9	11
15	A Multi-Analytical Study of an Ancient Egyptian Limestone Stele for Knowledge and Conservation Purposes: Recovering Hieroglyphs and Figurative Details by Image Analysis. Heritage, 2021, 4, 1193-1207.	1.9	4
16	Effect of plasma inhomogeneity on the determination of Strark broadening coefficients by Laser-Induced Breakdown Spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 271, 107714.	2.3	5
17	Rapid stoichiometric analysis of calciumâ€“phosphorus ratio on hydroxyapatite targets by one-point calibration laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 184, 106250.	2.9	5
18	Laser-Induced Breakdown Spectroscopy for Determination of Spectral Fundamental Parameters. Applied Sciences (Switzerland), 2020, 10, 4973.	2.5	21

#	Article	IF	Citations
19	Quantitative analysis of major components of mineral particulate matter by calibration free laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 171, 105918.	2.9	8
20	Application of Reflectance Transformation Imaging to Experimental Archaeology Studies. Heritage, 2020, 3, 1279-1286.	1.9	5
21	Comment on: â€œMeasurement of deviations of transition probability of the neutral silver lines at 827.35 and 768.77 nm using OES-techniqueâ€•by Alhijry etÂal. [JQSRT (2020) 106922]. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 256, 107290.	2.3	1
22	Improvement of the performances of a commercial hand-held laser-induced breakdown spectroscopy instrument for steel analysis using multiple artificial neural networks. Review of Scientific Instruments, 2020, 91, 073111.	1.3	13
23	Graph clustering and portable X-Ray Fluorescence: An application for in situ, fast and preliminary classification of transport amphoras. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 172, 105966.	2.9	8
24	Spatial and Temporal Distribution of Chemically Characterized Microplastics within the Protected Area of Pelagos Sanctuary (NW Mediterranean Sea): Focus on Natural and Urban Beaches. Water (Switzerland), 2020, 12, 3389.	2.7	16
25	A review of the current analytical approaches for evaluating, compensating and exploiting self-absorption in Laser Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 169, 105878.	2.9	69
26	A new approach to non-linear multivariate calibration in laser-induced breakdown spectroscopy analysis of silicate rocks. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 166, 105804.	2.9	16
27	Study of binary leadâ€‘tin alloys using a new procedure based on calibration-free laser induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 170, 105902.	2.9	3
28	About the use of inverse calibration in laser-induced breakdown spectroscopy quantitative analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 170, 105917.	2.9	5
29	Self-calibrated methods for LIBS quantitative analysis. , 2020, , 561-580.		2
30	Stratigraphic analysis of historical wooden samples from ancient bowed string instruments by laser induced breakdown spectroscopy. Journal of Cultural Heritage, 2020, 44, 275-284.	3.3	15
31	Determination of the Stark broadening coefficients of tantalum emission lines by time-independent Extended C-sigma method. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 167, 105829.	2.9	9
32	Investigating double pulse nanoparticle enhanced laser induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 167, 105845.	2.9	9
33	Laser-induced breakdown spectroscopy: principles of the technique and future trends. ChemTexts, 2020, 6, 1.	1.9	25
34	Industrial applications of laser-induced breakdown spectroscopy: a review. Analytical Methods, 2020, 12, 1014-1029.	2.7	72
35	Multispectral imaging to reveal ancient hieroglyphic text in an Egyptian Stele. , 2020, , .		0
36	Comment on: â€œSlope ratio calibration for analysis of plant leaves by laser-induced breakdown spectroscopyâ€•by Lidiane C. Nunes, Fabio R. P. Rocha and Francisco J. Krug, JAAS, 2019, 34, 2314. Journal of Analytical Atomic Spectrometry, 2020, 35, 1482-1483.	3.0	0

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37	A multi-analytical characterization of artistsâ€™ carbon-based black pigments. Journal of Thermal Analysis and Calorimetry, 2019, 138, 3287-3299.	3.6	16
38	Study of the feeding effect on recent and ancient bovine bones by nanoparticle-enhanced laser-induced breakdown spectroscopy and chemometrics. Journal of Advanced Research, 2019, 17, 65-72.	9.5	15
39	Direct analysis of anthraquinone dyed textiles by Surface Enhanced Raman Spectroscopy and Ag nanoparticles obtained by pulsed laser ablation. European Physical Journal Plus, 2019, 134, 1.	2.6	7
40	Determination of excitation temperature in laser-induced plasmas using columnar density Saha-Boltzmann plot. Journal of Advanced Research, 2019, 18, 1-7.	9.5	30
41	Applications of laser-induced breakdown spectroscopy in cultural heritage and archaeology: a critical review. Journal of Analytical Atomic Spectrometry, 2019, 34, 81-103.	3.0	118
42	Classification of sedimentary and igneous rocks by laser induced breakdown spectroscopy and nanoparticle-enhanced laser induced breakdown spectroscopy combined with principal component analysis and graph theory. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 158, 105622.	2.9	30
43	Walking in the Streets of Pisa to Discover the Stones Used in the Middle Ages. Geoheritage, 2019, 11, 1631-1641.	2.8	10
44	Exploiting Self-Absorption for Plasma Characterization in Laser-Induced Breakdown Spectroscopy Experiments: A Comparison of Two Recent Approaches. Analytical Chemistry, 2019, 91, 8595-8601.	6.5	22
45	Shock Waves in Laser-Induced Plasmas. Atoms, 2019, 7, 57.	1.6	39
46	A stochastic model of the process of sequence casting of steel, taking into account imperfect mixing. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	1
47	A New Infrared True-Color Approach for Visible-Infrared Multispectral Image Analysis. Journal on Computing and Cultural Heritage, 2019, 12, 1-11.	2.1	4
48	Measurement of atomic transition probabilities with laser-induced breakdown spectroscopy using the 3D Boltzmann plot method. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 154, 91-96.	2.9	8
49	Determination of Ash Content of coal by Laser-Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 155, 123-126.	2.9	36
50	Analysis of the middle Neolithic trichrome pottery: Characterization of the decoration using X-Ray fluorescence and Raman spectroscopy. Journal of Archaeological Science: Reports, 2019, 24, 192-197.	0.5	5
51	Laser-induced breakdown spectroscopy for human and animal health: A review. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 152, 123-148.	2.9	104
52	Analytical and mathematical methods for revealing hidden details in ancient manuscripts and paintings: A review. Journal of Advanced Research, 2019, 17, 31-42.	9.5	50
53	Recovery of a lost wall painting at the Etruscan Tomb of the Blue Demons in Tarquinia (Viterbo, Italy) by multispectral reflectometry and UV fluorescence imaging. Archaeometry, 2019, 61, 450-458.	1.3	11
54	Identification of inorganic dyeing mordant in textiles by surface-enhanced laser-induced breakdown spectroscopy. Microchemical Journal, 2018, 139, 230-235.	4.5	23

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55	Elemental and mineralogical imaging of a weathered limestone rock by double-pulse micro-Laser-Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 143, 91-97.	2.9	23
56	Green-synthetized silver nanoparticles for Nanoparticle-Enhanced Laser Induced Breakdown Spectroscopy (NELIBS) using a mobile instrument. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 141, 53-58.	2.9	31
57	Multi-technique characterization of madder lakes: A comparison between non- and micro-destructive methods. Journal of Cultural Heritage, 2018, 33, 208-212.	3.3	9
58	Real time determination of the laser ablated mass by means of electric field-perturbation measurement. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 142, 50-54.	2.9	4
59	Fast quantitative elemental mapping of highly inhomogeneous materials by micro-Laser-Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 146, 9-15.	2.9	36
60	Multivariate calibration in Laser-Induced Breakdown Spectroscopy quantitative analysis: The dangers of a â€˜black boxâ€™ approach and how to avoid them. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 144, 46-54.	2.9	42
61	Analysis of Serra d'Alto figuline pottery (Matera, Italy): Characterization of the dark decorations using XRF. Microchemical Journal, 2018, 137, 174-180.	4.5	16
62	Electroless deposited silver dendrites for SERS identification of natural dyes on laboratory-dyed and historic textiles. European Physical Journal Plus, 2018, 133, 1.	2.6	6
63	An Extended Kalman Filter approach to non-linear multivariate analysis of Laser-Induced Breakdown Spectroscopy spectra. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 149, 271-275.	2.9	6
64	Quantitative analysis of Ge/Si alloys using double-pulse calibration-free laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 146, 101-105.	2.9	17
65	Mineralogical, petrographic and physical-mechanical study of Roman construction materials from the Maritime Theatre of Hadrian's Villa (Rome, Italy). Measurement: Journal of the International Measurement Confederation, 2018, 127, 264-276.	5.0	23
66	Elemental analysis of dental amalgams by laser-induced breakdown spectroscopy technique. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 149, 229-235.	2.9	9
67	Laser-Induced Breakdown Spectroscopy analysis of the limestone Nuragic statues from Mont'e Prama site (Sardinia, Italy). Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 149, 62-70.	2.9	15
68	Construction and comparison of 3D multi-source multi-band models for cultural heritage applications. Journal of Cultural Heritage, 2018, 34, 261-267.	3.3	18
69	X-Ray Fluorescence Analysis and Self-Organizing Maps Classification of the Etruscan Gold Coin Collection at the Monetiere of Florence. Applied Spectroscopy, 2017, 71, 817-822.	2.2	8
70	Provenance of marbles used for building the internal spiral staircase of the bell tower of St. Nicholas Church (Pisa, Italy). Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	5
71	Classification of wrought aluminum alloys by Artificial Neural Networks evaluation of Laser Induced Breakdown Spectroscopy spectra from aluminum scrap samples. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 134, 52-57.	2.9	58
72	Micro-Laser-Induced Breakdown Spectroscopy (Micro-LIBS) Study on Ancient Roman Mortars. Applied Spectroscopy, 2017, 71, 721-727.	2.2	35

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73	Quantitative analysis of metals in waste foundry sands by calibration free-laser induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 131, 58-65.	2.9	38
74	Determination of electron temperature temporal evolution in laser-induced plasmas through Independent Component Analysis and 3D Boltzmann plot. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 135, 48-53.	2.9	9
75	Three-dimensional compositional mapping using double-pulse micro-laser-induced breakdown spectroscopy technique. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 127, 1-6.	2.9	26
76	High-resolution three-dimensional compositional imaging by double-pulse laser-induced breakdown spectroscopy. Journal of Instrumentation, 2016, 11, C08002-C08002.	1.2	11
77	From Calibration-Free to Fundamental Parameters Analysis: A comparison of three recently proposed approaches. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 124, 40-46.	2.9	44
78	Discovering â€œThe Italian Flagâ€•by Fernando Melani (1907â€“1985). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 168, 52-59.	3.9	16
79	Application of Graph Theory to unsupervised classification of materials by Laser-Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 118, 40-44.	2.9	21
80	Combining Multiple Neural Networks to Predict Bronze Alloy Elemental Composition. Smart Innovation, Systems and Technologies, 2016, , 345-352.	0.6	5
81	The chemical-physical knowledge before the restoration: the case of â€œThe Plague in Luccaâ€, a masterpiece of Lorenzo Viani (1882â€“1936). Heritage Science, 2015, 3, .	2.3	7
82	Determining the composition of bronze alloys by means of high-dimensional feature selection and Artificial Neural Networks. , 2015, , .		5
83	A hybrid calibration-free/artificial neural networks approach to the quantitative analysis of LIBS spectra. Applied Physics B: Lasers and Optics, 2015, 118, 353-360.	2.2	56
84	Laser-based continuous monitoring and resolution of steel grades in sequence casting machines. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 112, 1-5.	2.9	27
85	A multidisciplinary approach for the study and the virtual reconstruction of the ancient polychromy of Roman sarcophagi. Journal of Cultural Heritage, 2015, 16, 307-314.	3.3	18
86	Comparison of brass alloys composition by laser-induced breakdown spectroscopy and self-organizing maps. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 103-104, 70-75.	2.9	28
87	X-Ray Fluorescence Analysis of XIIâ€“XIV Century Italian Gold Coins. Journal of Archaeology, 2014, 2014, 1-6.	0.5	12
88	Extracting Time-Resolved Information from Time-Integrated Laser-Induced Breakdown Spectra. Journal of Spectroscopy, 2014, 2014, 1-5.	1.3	36
89	Xâ€•ray fluorescence analysis on a group of coins from the ancient roman city of Tridentum (Trento, Italy). X-Ray Spectrometry, 2014, 43, 370-374.	1.4	10
90	A multidisciplinary approach to the investigation of â€œLa Caverna dellâ€™Antimateriaâ€•(1958â€“1959) by Pinot Gallizio. Heritage Science, 2014, 2, .	2.3	10

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91	Characterization of historical mortars from the bell tower of St. Nicholas church (Pisa, Italy). Construction and Building Materials, 2014, 69, 203-212.	7.2	38
92	Reply to Ira Rabin's Comment on our paper Rasmussen etÂal. (2012). Journal of Archaeological Science, 2014, 43, 155-158.	2.4	0
93	Application of Laser Induced Breakdown Spectroscopy to the identification of emeralds from different synthetic processes. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 102, 48-51.	2.9	29
94	A fast method for the calculation of electron number density and temperature in laser-induced breakdown spectroscopy plasmas using artificial neural networks. Applied Physics B: Lasers and Optics, 2014, 117, 437-444.	2.2	21
95	Spectroscopic analysis of bones for forensic studies. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 99, 70-75.	2.9	19
96	Plasma processes and emission spectra in laser induced plasmas: A point of view. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 100, 180-188.	2.9	42
97	An artificial neural network approach to laser-induced breakdown spectroscopy quantitative analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 99, 52-58.	2.9	68
98	Double and Multiple Pulse LIBS Techniques. Springer Series in Optical Sciences, 2014, , 117-141.	0.7	6
99	Applications of LIBS to the Analysis of Metals. Springer Series in Optical Sciences, 2014, , 169-193.	0.7	15
100	A Procedure for Estimating the Electron Temperatureand the Departure of the LTE Condition in a Time-Dependent, Spatially Homogeneous, Optically Thin Plasma. Brazilian Journal of Physics, 2013, 43, 239-246.	1.4	6
101	Enhancement of hidden patterns in paintings using statistical analysis. Journal of Cultural Heritage, 2013, 14, S66-S70.	3.3	15
102	On the determination of plasma electron number density from Stark broadened hydrogen Balmer series lines in Laser-Induced Breakdown Spectroscopy experiments. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 88, 98-103.	2.9	46
103	One-point calibration for calibration-free laser-induced breakdown spectroscopy quantitative analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 87, 51-56.	2.9	82
104	Elemental analysis by surface-enhanced Laser-Induced Breakdown Spectroscopy combined with liquidâ€“liquid microextraction. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 79-80, 88-93.	2.9	117
105	Multi-technique study of a ceramic archaeological artifact and its content. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 100, 144-148.	3.9	13
106	Double-pulse laser-induced breakdown spectroscopy analysis of scales from petroleum pipelines. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 87, 188-191.	2.9	6
107	Recovery of archaeological wall paintings using novel multispectral imaging approaches. Heritage Science, 2013, 1, .	2.3	29
108	Laser-induced breakdown spectroscopy application to control of the process of precious metal recovery and recycling. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 71-72, 123-126.	2.9	14

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109	The constituents of the ink from a Qumran inkwell: new prospects for provenancing the ink on the Dead Sea Scrolls. Journal of Archaeological Science, 2012, 39, 2956-2968.	2.4	19
110	X-Ray Fluorescence and Laser-Induced Breakdown Spectroscopy analysis of Roman silver denarii. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 74-75, 156-161.	2.9	48
111	LIBS analysis of twelve bronze statues displayed in the National Archaeological Museum of Crotone. Optica Pura Y Aplicada, 2012, 45, 277-286.	0.1	5
112	Element detection relying on information retrieval techniques applied to laser spectroscopy. , 2011, , .		1
113	Comment on â€œA multivariate model based on dominant factor for laser-induced breakdown spectroscopy measurementsâ€•by Zhe Wang, Jie Feng, Lizhi Li, Weidou Ni and Zheng Li, J. Anal. At. Spectrom., 2011, DOI: 10.1039/c1ja10041f. Journal of Analytical Atomic Spectrometry, 2011, 26, 2300.	3.0	4
114	The Calculation of the Optical Depths of Homogeneous Plasmas: Analytical, Experimental, and Numerical Considerations. Applied Spectroscopy, 2011, 65, 1213-1217.	2.2	11
115	Crater drilling enhancement obtained in parallel non-collinear double-pulse laser ablation. Applied Physics A: Materials Science and Processing, 2010, 98, 219-225.	2.3	14
116	Calibration-Free Laser-Induced Breakdown Spectroscopy: State of the art. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 1-14.	2.9	362
117	Classical univariate calibration and partial least squares for quantitative analysis of brass samples by laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 658-663.	2.9	59
118	Progress towards an unassisted element identification from Laser Induced Breakdown Spectra with automatic ranking techniques inspired by text retrieval. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 664-670.	2.9	29
119	Local Thermodynamic Equilibrium in Laser-Induced Breakdown Spectroscopy: Beyond the McWhirter criterion. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 86-95.	2.9	514
120	Calibration free laser-induced breakdown spectroscopy of oxide materials. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 671-679.	2.9	124
121	Hydrogen Balmer Î± line behavior in Laser-Induced Breakdown Spectroscopy depth scans of Au, Cu, Mn, Pb targets in air. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 557-564.	2.9	10
122	Investigation on the role of air in the dynamical evolution and thermodynamic state of a laser-induced aluminium plasma by spatial- and time-resolved spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 787-796.	2.9	54
123	A New Method for Determination of Self-Absorption Coefficients of Emission Lines in Laser-Induced Breakdown Spectroscopy Experiments. Applied Spectroscopy, 2010, 64, 320-323.	2.2	29
124	Effect of laser parameters on plasma shielding in single and double pulse configurations during the ablation of an aluminium target. Journal Physics D: Applied Physics, 2009, 42, 225207.	2.8	47
125	Fast Quantitative Analysis Of Museum Objects Using Laser-Induced Breakdown Spectroscopy And Multiple Regression Algorithms. , 2009, , .		0
126	Fast analysis of complex metallic alloys by double-pulse time-integrated Laser-Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 1068-1072.	2.9	28

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127	Comments on the paper: â€œAccurate quantitative analysis of gold alloys using multi-pulse laser-induced breakdown spectroscopy and a correlation-based calibration methodâ€• Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 357-358.	2.9	4
128	Towards a calibration-less ICP-AES method for the determination of trace elements in aqueous solutions: Double ratio plasma diagnostics combined with an internal standard. Journal of Analytical Atomic Spectrometry, 2009, 24, 655.	3.0	10
129	Spatial distribution of hydrogen and other emitters in aluminum laser-induced plasma in air and consequences on spatially integrated Laser-Induced Breakdown Spectroscopy measurements. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 980-987.	2.9	69
130	Wood coated with plasma-polymer for water repellence. Wood Science and Technology, 2008, 42, 149-160.	3.2	39
131	Effect of target composition on the emission enhancement observed in Double-Pulse Laser-Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 312-323.	2.9	65
132	Multi-diagnostic approach to characterize the onset of formation of nanoparticles in a premixed laminar ethylene/air flame. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2008, 63, 191-201.	2.9	8
133	Observation of different mass removal regimes during the laser ablation of an aluminium target in air. Journal of Analytical Atomic Spectrometry, 2008, 23, 1518.	3.0	71
134	Dynamics of Spatially and Temporally Resolved Laser Induced Al-plasma. AIP Conference Proceedings, 2007, , .	0.4	2
135	Measurement of the Stark Broadening of Atomic Emission Lines in Nonâ€“Optically Thin Plasmas by Laserâ€Induced Breakdown Spectroscopy. Spectroscopy Letters, 2007, 40, 643-658.	1.0	15
136	Combination of the ionic-to-atomic line intensity ratios from two test elements for the diagnostic of plasma temperature and electron number density in Inductively Coupled Plasma Atomic Emission Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 435-443.	2.9	33
137	In situ study of the Porticello Bronzes by portable X-ray fluorescence and laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 1512-1518.	2.9	55
138	A numerical study of expected accuracy and precision in Calibration-Free Laser-Induced Breakdown Spectroscopy in the assumption of ideal analytical plasma. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 1287-1302.	2.9	204
139	Measurement of Stark broadening of Mn I and Mn II spectral lines in plasmas used for Laser-Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 1237-1245.	2.9	38
140	Accurate measurement of magnesium content in alpha-olefins by laser induced breakdown spectroscopy (LIBS) technique. Optoelectronics Letters, 2007, 3, 222-226.	0.8	4
141	Real time measurement of the electron density of a laser generated plasma using a RC circuit. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 836-840.	2.9	23
142	Resolving surface details with reflection and fluorescence video-confocal profilometry. Micron, 2007, 38, 104-108.	2.2	2
143	Quantitative analysis of aluminium alloys by low-energy, high-repetition rate laser-induced breakdown spectroscopy. Journal of Analytical Atomic Spectrometry, 2006, 21, 697.	3.0	60
144	Double pulse, calibration-free laser-induced breakdown spectroscopy: A new technique for in situ standard-less analysis of polluted soils. Applied Geochemistry, 2006, 21, 748-755.	3.0	102

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145	Spectroscopic Techniques Applied to the Study of Italian Painted Neolithic Potteries. Laser Chemistry, 2006, 2006, 1-7.	0.5	9
146	<title>New perspectives in LIBS analysis of polluted soils</title>. , 2006, 6284, 40.		1
147	<title>Quantitative LIBS analysis of samples from a Le Sueur bronze</title>. , 2006, , .		2
148	<title>On the enhancement of laser induced breakdown spectroscopy signal in double pulse configuration</title>. , 2006, , .		1
149	Spectroscopic and shadowgraphic analysis of laser induced plasmas in the orthogonal double pulse pre-ablation configuration. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 340-350.	2.9	81
150	Determination of the deuterium/hydrogen ratio in gas reaction products by laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 797-802.	2.9	39
151	Evaluation of self-absorption of manganese emission lines in Laser Induced Breakdown Spectroscopy measurements. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2006, 61, 1294-1303.	2.9	116
152	Comparison between single- and double-pulse LIBS at different air pressures on silicon target. Applied Physics B: Lasers and Optics, 2006, 83, 651-657.	2.2	51
153	Comparison of detection limits, for two metallic matrices, of laser-induced breakdown spectroscopy in the single and double-pulse configurations. Analytical and Bioanalytical Chemistry, 2006, 385, 316-325.	3.7	72
154	ModÃ¬: a new mobile instrument for in situ double-pulse LIBS analysis. Analytical and Bioanalytical Chemistry, 2006, 385, 240-247.	3.7	105
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