

# Timur A Labutin

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7261449/timur-a-labutin-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47  
papers

846  
citations

15  
h-index

28  
g-index

50  
ext. papers

1,000  
ext. citations

2.7  
avg, IF

4.24  
L-index

#	Paper	IF	Citations
47	A review of normalization techniques in analytical atomic spectrometry with laser sampling: From single to multivariate correction. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2010</b> , 65, 642-657	3.1	132
46	Femtosecond laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 90-118	3.7	127
45	Correlation between properties of a solid sample and laser-induced plasma parameters. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2009</b> , 64, 938-949	3.1	56
44	Determination of chlorine, sulfur and carbon in reinforced concrete structures by double-pulse laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2014</b> , 99, 94-100	3.1	47
43	Qualitative and quantitative analysis of environmental samples by laser-induced breakdown spectrometry. <i>Russian Chemical Reviews</i> , <b>2015</b> , 84, 1021-1050	6.8	38
42	Comparison of single- and multivariate calibration for determination of Si, Mn, Cr and Ni in high-alloyed stainless steels by laser-induced breakdown spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2014</b> , 29, 1417-1424	3.7	38
41	Determination of Ag, Cu, Mo and Pb in soils and ores by laser-induced breakdown spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2014</b> , 29, 1925-1933	3.7	32
40	Determination of chlorine in concrete by laser-induced breakdown spectroscopy in air. <i>Journal of Applied Spectroscopy</i> , <b>2013</b> , 80, 315-318	0.7	26
39	Comparison of the thermodynamic and correlation criteria for internal standard selection in laser-induced breakdown spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2013</b> , 87, 57-64	3.1	26
38	Measurement system for high-sensitivity LIBS analysis using ICCD camera in LabVIEW environment. <i>Journal of Instrumentation</i> , <b>2014</b> , 9, P06010-P06010	1	25
37	Rapid, direct determination of strontium in natural waters by laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 1123-1130	3.7	23
36	Carbon determination in carbon-manganese steels under atmospheric conditions by Laser-Induced Breakdown Spectroscopy. <i>Optics Express</i> , <b>2014</b> , 22, 22382-7	3.3	23
35	Accuracy enhancement of a multivariate calibration for lead determination in soils by laser induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2018</b> , 140, 65-72	3.1	23
34	Matrix effects on laser-induced plasma parameters for soils and ores. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2018</b> , 148, 205-210	3.1	22
33	Automatic identification of emission lines in laser-induced plasma by correlation of model and experimental spectra. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 1985-90	7.8	22
32	A novel approach to sensitivity evaluation of laser-induced breakdown spectroscopy for rare earth elements determination. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 2223-2226	3.7	14
31	Experimental measurements of Stark widths for Mn I lines in long laser spark. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2016</b> , 125, 43-51	3.1	13

30	Analytical signal normalization in laser-enhanced ionization spectrometry with laser ablation of solid samples into a flame. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2005</b> , 60, 775-782	3.1	12
29	Stationary model of laser-induced plasma: Critical evaluation and applications. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2019</b> , 158, 105632	3.1	11
28	Rapid determination of zinc in soils by laser-induced breakdown spectroscopy. <i>Technical Physics Letters</i> , <b>2013</b> , 39, 81-83	0.7	11
27	Application of Laser-Induced Breakdown Spectrometry for analysis of environmental and industrial materials. <i>Moscow University Chemistry Bulletin</i> , <b>2009</b> , 64, 366-377	0.5	9
26	Multivariate correction in laser-enhanced ionization with laser sampling. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2007</b> , 62, 211-216	3.1	9
25	Selection of an analytical line for determining lithium in aluminum alloys by laser induced breakdown spectrometry. <i>Journal of Analytical Chemistry</i> , <b>2007</b> , 62, 1151-1155	1.1	9
24	Reduction of the matrix influence on analytical signal in laser-enhanced ionization spectrometry with laser sampling. <i>Talanta</i> , <b>2006</b> , 69, 1046-8	6.2	9
23	Confinement of Laser Plasma by Shock Waves for Increasing Signal Intensity in Spectrochemical Determination of Trace Elements in Ores. <i>Technical Physics Letters</i> , <b>2018</b> , 44, 73-76	0.7	8
22	Comments on Sensitive analysis of carbon, chromium and silicon in steel using picosecond laser induced low pressure helium plasma. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2016</b> , 118, 37-39	3.1	8
21	Enhanced Sensitivity of Direct Beryllium Determination in Soil by Laser-Induced Breakdown Spectrometry. <i>Journal of Applied Spectroscopy</i> , <b>2015</b> , 82, 739-743	0.7	8
20	Analysis of Slightly Volatile Samples by Atomic-Ionization Spectrometry with Laser Ablation into Flame. <i>Journal of Analytical Chemistry</i> , <b>2003</b> , 58, 343-346	1.1	8
19	Emission spectroscopy of long cylindrical laser spark with additional coaxial excitation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2019</b> , 157, 22-26	3.1	6
18	Orthogonal and Collinear Configurations in Double-Pulse Laser-Induced Breakdown Spectrometry to Improve Sensitivity in Chlorine Determination. <i>Journal of Applied Spectroscopy</i> , <b>2017</b> , 84, 319-323	0.7	6
17	Experimental Stark parameters of Mn I lines in the ${}^6P^{\circ}-{}^6S$ multiplet under conditions of laser plasma. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2017</b> , 123, 521-525	0.7	6
16	Three calibration techniques combined with sample-effective design of experiment based on Latin hypercube sampling for direct detection of lanthanides in REE-rich ores using TXRF and WDXRF. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2021</b> , 36, 224-232	3.7	6
15	Physics of selective evaporation of components during laser ablation of stainless steels. <i>Quantum Electronics</i> , <b>2012</b> , 42, 605-611	1.8	5
14	Correlation between mechanical properties of aluminum alloys and characteristics of laser-induced plasma <b>2007</b> , 7022, 393		4
13	Determination of the Mn/Fe Ratio in Ferromanganese Nodules Using Calibration-Free Laser-Induced Breakdown Spectrometry. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2019</b> , 126, 316-320	0.7	3

12	Determination of copper content in soils and ores by laser-induced breakdown spectrometry. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2016</b> , 121, 339-342	0.7	3
11	Signal recording system based on a LabVIEW™ virtual instrument using a multichannel high speed ADC. <i>Measurement Techniques</i> , <b>2011</b> , 54, 213-218	0.4	3
10	Shift of ionization equilibrium in spatially confined laser induced plasma. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2019</b> , 34, 1975-1981	3.7	2
9	Determination of lithium in lithium-ionic conductors by laser-enhanced ionization spectrometry with laser ablation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2014</b> , 29, 176-184	3.7	2
8	Influence of ferrite surface microstructure on laser ablation <b>2007</b> ,		2
7	Chemical Analysis of Zooplankton by Calibration-Free Laser-Induced Breakdown Spectroscopy. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , <b>2020</b> , 128, 1343-1349	0.7	1
6	Evaluation of Aging of Reinforced Concrete Structures by Laser-Induced Breakdown Spectroscopy of Reinforcement Corrosion Products. <i>Journal of Applied Spectroscopy</i> , <b>2020</b> , 87, 800-804	0.7	1
5	Comments on Detection of rare earth elements in Powder River Basin sub-bituminous coal ash using laser-induced breakdown spectrometry (LIBS) by Phuoc et al.. <i>Fuel</i> , <b>2016</b> , 167, 375-376	7.1	1
4	Comment on Laser produced plasma diagnosis of carcinogenic heavy metals in gallstones by M. A. Gondal, M. A. Shemis, A. A. I. Khalil, M. M. Nasr and B. Gondal, JAAS, 2016, 31, 506. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2017</b> , 32, 2053-2055	3.7	1
3	Nonlinear normalization for laser-enhanced ionization spectrometry with laser sampling into a flame. <i>Moscow University Chemistry Bulletin</i> , <b>2008</b> , 63, 219-223	0.5	1
2	Albatross R package to study PARAFAC components of DOM fluorescence from mixing zones of arctic shelf seas. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2020</b> , 207, 104176	3.8	1
1	Processing of Thomson scattering spectra for diagnostics of laser-induced plasma. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2022</b> , 190, 106394	3.1	0