

Jelena J SavoviÄ

List of Publications by Year in descending order

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papers

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933447

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46
all docs

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Thermochromic complex compounds in phase change materials: Possible application in an agricultural greenhouse. <i>Solar Energy Materials and Solar Cells</i> , 1998, 51, 401-411.	6.2	38
2	Alternative analytical method for direct determination of Mn and Ba in peppermint tea based on laser induced breakdown spectroscopy. <i>Microchemical Journal</i> , 2018, 137, 410-417.	4.5	25
3	Elemental analysis of aluminum alloys by Laser Induced Breakdown Spectroscopy based on TEA CO ₂ laser. <i>Journal of Alloys and Compounds</i> , 2017, 700, 175-184.	5.5	22
4	Optical Emission Studies of Copper Plasma Induced Using Infrared Transversely Excited Atmospheric (IR TEA) Carbon Dioxide Laser Pulses. <i>Applied Spectroscopy</i> , 2015, 69, 419-429.	2.2	19
5	Spectrochemical analysis of powdered biological samples using transversely excited atmospheric carbon dioxide laser plasma excitation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 128, 22-29.	2.9	17
6	Analysis of copper surface features obtained using TEA CO ₂ laser at reduced air pressure. <i>Applied Surface Science</i> , 2013, 270, 486-494.	6.1	15
7	Cobalt(II) chloride complexes in molten acetamide. <i>Fluid Phase Equilibria</i> , 1996, 118, 143-151.	2.5	14
8	Cobalt(II) Chloride Complex Formation in Acetamide–Calcium Nitrate Tetrahydrate Melts. <i>Journal of Solution Chemistry</i> , 2004, 33, 287-300.	1.2	14
9	The feasibility of TEA CO ₂ laser-induced plasma for spectrochemical analysis of geological samples in simulated Martian conditions. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 118, 127-136.	2.9	14
10	Temporal responses of spectral line intensities emitted by d.c. arc plasma with aerosol supply studied by power interruption technique. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003, 58, 239-248.	2.9	11
11	Use of Mosses as Biomonitors of Major, Minor and Trace Element Deposition Around the Largest Thermal Power Plant in Serbia. <i>Clean - Soil, Air, Water</i> , 2014, 42, 5-11.	1.1	10
12	Accumulation of trace elements in <i>Tussilago farfara</i> colonizing post-flotation tailing sites in Serbia. <i>Environmental Science and Pollution Research</i> , 2020, 27, 4089-4103.	5.3	9
13	Analysis of lead-based archaeological pottery glazes by laser induced breakdown spectroscopy. <i>Optics and Laser Technology</i> , 2021, 134, 106599.	4.6	9
14	Quantitative Analysis of Coal by Laser-Induced Breakdown Spectroscopy Using TEA CO ₂ Laser as the Excitation Source. <i>Plasma Chemistry and Plasma Processing</i> , 2022, 42, 519-533.	2.4	9
15	The effect of potassium addition on plasma parameters in argon dc plasma arc. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 335202.	2.8	8
16	Properties of Argon–Nitrogen Atmospheric Pressure DC Arc Plasma. <i>Plasma Chemistry and Plasma Processing</i> , 2015, 35, 1071-1095.	2.4	8
17	Enhancement of Analytical Signal of Laser Induced Breakdown Spectroscopy by Deposition of Gold Nanoparticles on Analyzed Sample. <i>Journal of Applied Spectroscopy</i> , 2019, 86, 900-907.	0.7	8
18	Laser-induced breakdown spectroscopy analysis of water solutions deposited on PTFE surface: Influence of copper oxide nanoparticles and NELIBS effect. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022, 187, 106333.	2.9	8

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19	The Effect of Background Gas on the Excitation Temperature and Electron Number Density of Basalt Plasma Induced by 10.6 Micron Laser Radiation. <i>Plasma Chemistry and Plasma Processing</i> , 2019, 39, 985-1000.	2.4	7
20	Study of aerosol sample interaction with dc plasma in the presence of oscillating magnetic field. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 1450-1457.	2.9	6
21	Laser-induced features at titanium implant surface in vacuum ambience. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	6
22	LIBS Analysis of Geomaterials: Comparative Study of Basalt Plasma Induced by TEA CO ₂ and Nd:YAG Laser in Air at Atmospheric Pressure. <i>Journal of Chemistry</i> , 2017, 2017, 1-9.	1.9	6
23	TEA CO ₂ Laser " Polymethyl Methacrylate Interaction: LIBS Hydrogen Analysis. <i>Applied Surface Science</i> , 2022, 572, 151424.	6.1	6
24	A spectroscopic investigation of stabilized dc argon arc at atmospheric pressure by power modulation technique. <i>European Physical Journal D</i> , 2008, 50, 289-296.	1.3	5
25	Optical emission of graphite plasma generated in ambient air using low-irradiance carbon dioxide laser pulses. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2019, 157, 37-46.	2.9	5
26	Desorption of metals from <i>Cetraria islandica</i> (L.) Ach. Lichen using solutions simulating acid rain. <i>Archives of Biological Sciences</i> , 2014, 66, 273-284.	0.5	5
27	Analytical capability of the plasma induced by IR TEA CO ₂ laser pulses on copper based alloys. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 1505-1513.	0.8	5
28	Emission Intensity Enhancement of DC Arc Plasma Induced by External Oscillating Magnetic Field. <i>Contributions To Plasma Physics</i> , 2007, 47, 670-676.	1.1	4
29	Principal component analysis of the main factors of line intensity enhancements observed in oscillating direct current plasma. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 927-934.	2.9	4
30	Laser-Induced Breakdown Spectroscopy (LIBS): specific applications. <i>Proceedings of SPIE</i> , 2015, , .	0.8	4
31	Determination of low alloying element concentrations in cast iron by laser induced breakdown spectroscopy based on TEA CO ₂ laser system. <i>Journal of the Serbian Chemical Society</i> , 2017, 82, 1135-1145.	0.8	4
32	Blue (A-X) System of ¹⁰⁷ Ag ¹⁸ O Molecule. <i>Spectroscopy Letters</i> , 1993, 26, 1529-1535.	1.0	3
33	Surface modification of copper using high intensity, 1015W/cm ² , femtosecond laser in vacuum. <i>Applied Surface Science</i> , 2012, 258, 8908-8914.	6.1	3
34	Laser-based optical techniques for the detection of chemical agents†. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	3
35	Laser-Assisted Fabrication of Nanoparticles in Liquids and Their Application for Improving Analytical Performance of LIBS. <i>International Journal of Nanoscience</i> , 2019, 18, 1940048.	0.7	3
36	Accumulation of Potentially Toxic Elements in Invasive <i>Ambrosia artemisiifolia</i> on Sites with Different Levels of Anthropogenic Pollution. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	3

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37	Influence of easily ionised elements on the delayed responses of the emission intensities of an analyte in a powdermodulated U-shaped argon stabilised DC arc plasma with an aerosol supply. Journal of the Serbian Chemical Society, 2005, 70, 1033-1040.	0.8	3
38	Properties of plasma induced by pulsed CO ₂ laser on a copper target under different ambient conditions. Physica Scripta, 2014, T162, 014011.	2.5	2
39	Some problems connected with boron determination by atomic absorption spectroscopy and the sensitivity improvement. Journal of the Serbian Chemical Society, 2001, 66, 535-542.	0.8	2
40	Comprehensive ablation study of near-IR femtosecond laser action on the titanium-based alloy Ti6Al4V: morphological effects and surface structures at low and high fluences. European Physical Journal D, 2022, 76, 1.	1.3	2
41	Isotope effects on band intensities in the B 2Î£ ⁺ +X 2Î£ ⁺ system of GaO isotopomers. Russian Journal of Physical Chemistry A, 2009, 83, 1515-1519.	0.6	1
42	Delayed responses of analyte emission in a pulse-modulated direct-current argon arc at atmospheric pressure. Plasma Sources Science and Technology, 2010, 19, 065019.	3.1	1
43	Monochromatic imaging technique used to study dc arc plasma under the influence of a transverse magnetic field. Plasma Sources Science and Technology, 2009, 18, 035005.	3.1	0
44	Modelling the position of analyte emission maxima in low temperature direct current arc plasma using statistical procedures. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 73, 62-70.	2.9	0
45	Pulsed TEA CO ₂ Laser Irradiation of Titanium in Nitrogen and Carbon Dioxide Gases. Russian Journal of Physical Chemistry A, 2017, 91, 2696-2701.	0.6	0
46	Diagnostics of laser-induced plasma from a thin film of oil on a silica wafer. Journal of the Serbian Chemical Society, 2023, 88, 153-167.	0.8	0