

D Sevic

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Electron-impact excitation of the $5^2S_{1/2} \rightarrow 5^2P_{1/2}$ and $5^2P_{3/2}$ transitions in rubidium by 40 eV electrons: theory and experiment. European Physical Journal D, 2022, 76, .	1.3	1
2	Luminescence thermometry based on Y ₂ O ₂ S:Er,Yb nanophosphor. Optical and Quantum Electronics, 2022, 54, .	3.3	5
3	Temperature sensing using YAG:Dy single-crystal phosphor. European Physical Journal D, 2021, 75, 1.	1.3	7
4	Recommended Cross Sections for Electron-Indium Scattering. Journal of Physical and Chemical Reference Data, 2021, 50, .	4.2	6
5	Time-resolved luminescence spectra of greater celandine plant extract (Chelidonium majus L.). European Physical Journal D, 2021, 75, 1.	1.3	0
6	Electron-impact excitation of the $(4d105s)S1/2 \rightarrow (4d95s2)D3/22$ and $(4d105s)S1/2 \rightarrow (4d106s)S1/22$ transitions in silver: Experiment and theory. Physical Review A, 2021, 104, .	2.5	3
7	Electron-impact excitation of the $(5s25p)P1/2 \rightarrow (5s26s)S1/22$ transition in indium: Theory and experiment. Physical Review A, 2020, 102, .	2.5	5
8	Effects of temperature on luminescent properties of Gd ₂ O ₃ :Er, Yb nanophosphor. Optical and Quantum Electronics, 2020, 52, 1.	3.3	9
9	Joint theoretical and experimental study on elastic electron scattering from bismuth. Physical Review A, 2020, 101, .	2.5	7
10	YVO ₄ :Eu ³⁺ nanopowders: multi-mode temperature sensing technique. Journal Physics D: Applied Physics, 2019, 53, 015106.	2.8	21
11	Optical properties CaWO ₄ :Nd ³⁺ /PMMA composite layered structures. Optical Materials, 2019, 96, 109361.	3.6	7
12	Laser-Induced Plasma Measurements Using Nd:YAG Laser and Streak Camera: Timing Considerations. Atoms, 2019, 7, 6.	1.6	6
13	Experimental and theoretical cross sections for elastic electron scattering from zinc. Physical Review A, 2019, 99, .	2.5	11
14	Optical properties and fluorescence of quantum dots CdSe/ZnS-PMMA composite films with interface modifications. Optical Materials, 2019, 92, 405-410.	3.6	30
15	Effects of temperature and pressure on luminescent properties of Sr ₂ CeO ₄ :Eu ³⁺ nanophosphor. Journal of Luminescence, 2018, 199, 285-292.	3.1	22
16	Time-resolved analysis of pure indium sample and LCD displays. Optical and Quantum Electronics, 2018, 50, 1.	3.3	5
17	Orange-Reddish Light Emitting Phosphor Gd ₂ Zr ₂ O ₇ :Sm ³⁺ Prepared by Solution Combustion Synthesis. Journal of Spectroscopy, 2018, 2018, 1-8.	1.3	13
18	Luminescence thermometry using Gd ₂ Zr ₂ O ₇ :Eu ³⁺ . Optical and Quantum Electronics, 2018, 50, 1.	3.3	13

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19	Characterization of neodymium doped calcium tungstate single crystal by Raman, IR and luminescence spectroscopy. <i>Science of Sintering</i> , 2018, 50, 445-455.	1.4	8
20	Characterization and luminescence kinetics of Eu ³⁺ doped YVO ₄ nanopowders. <i>Materials Research Bulletin</i> , 2017, 88, 121-126.	5.2	12
21	Far-infrared spectra of dysprosium doped yttrium aluminum garnet nanopowder. <i>Infrared Physics and Technology</i> , 2016, 77, 226-229.	2.9	11
22	Electron impact excitation of the 6p ² 7s ⁴ P _{1/2} state of bismuth from the ground state. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016, 49, 235203.	1.5	1
23	Time-resolved luminescence spectra of Eu ³⁺ + doped YVO ₄ , Sr ₂ CeO ₄ and Gd ₂ Zr ₂ O ₇ nanopowders. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	10
24	Evaluation of laser-induced thin-layer removal by using shadowgraphy and laser-induced breakdown spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	8
25	The Bridgman method growth and spectroscopic characterization of calcium fluoride single crystals. <i>Science of Sintering</i> , 2016, 48, 333-341.	1.4	4
26	Electron scattering by silver: excitation of the 4d ⁹ 5s ² 2 _{3/2} and 4d ¹⁰ 6s ² S _{1/2} states. <i>Journal of Physics: Conference Series</i> , 2015, 635, 052054.	0.4	0
27	Electron-impact excitation of silver. <i>Physical Review A</i> , 2015, 91, .	2.5	2
28	Structural properties and luminescence kinetics of white nanophosphor YAG:Dy. <i>Optical Materials</i> , 2015, 50, 250-255.	3.6	35
29	Characterization and luminescent properties of Eu ³⁺ doped Gd ₂ Zr ₂ O ₇ nanopowders. <i>Journal of Alloys and Compounds</i> , 2015, 622, 292-295.	5.5	24
30	Annealing effects on luminescent properties of Eu ³⁺ doped Gd ₂ Zr ₂ O ₇ nanopowders. <i>Science of Sintering</i> , 2015, 47, 269-272.	1.4	8
31	Electrospinning of laser dye Rhodamine B-doped poly(methyl methacrylate) nanofibers. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 867-880.	0.8	43
32	Investigation and detection of cyanobacterial Cr-phycoerythrin by laser based techniques. <i>Journal of the Serbian Chemical Society</i> , 2014, 79, 185-198.	0.8	8
33	Time-Resolved Optical Spectra of the Laser-Induced Indium Plasma Detected Using a Streak Camera. <i>IEEE Transactions on Plasma Science</i> , 2014, 42, 2588-2589.	1.3	7
34	Electron excitation and autoionisation cross sections for elements of chemically peculiar stars: Study of bismuth. <i>Journal of Physics: Conference Series</i> , 2014, 565, 012019.	0.4	1
35	Application of Fourier-Pade Approximation in Analysis of Holographic Diffraction Gratings. <i>Acta Physica Polonica A</i> , 2013, 124, 619-621.	0.5	0
36	Electron impact excitation of rubidium. <i>Journal of Physics: Conference Series</i> , 2012, 388, 042022.	0.4	0

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37	Excitation of silver by electron impact. <i>Journal of Physics: Conference Series</i> , 2012, 388, 042015.	0.4	0
38	Comparison of beetroot extracts originating from several sites using time-resolved laser-induced fluorescence spectroscopy. <i>Physica Scripta</i> , 2012, T149, 014076.	2.5	4
39	Time resolved laser induced fluorescence measurements: Considerations when using Nd:YAG based system. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 279, 16-19.	1.4	4
40	Detecting indium spectral lines using electron and laser induced breakdown spectroscopy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 279, 58-61.	1.4	6
41	Absolute differential cross sections for electron excitation of silver at small scattering angles. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 279, 53-57.	1.4	9
42	Time-Resolved LIBS Streak Spectrum Processing. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 2782-2783.	1.3	11
43	Electron impact excitation of the 3s3p3P state of magnesium from the ground state. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 055208.	1.5	3
44	Absolute differential cross sections for elastic scattering of electrons from pyrimidine. <i>Physical Review A</i> , 2009, 79, .	2.5	55
45	Low-energy electron transmission through high aspect ratio Al ₂ O ₃ nanocapillaries. <i>Europhysics Letters</i> , 2009, 86, 23001.	2.0	19
46	Electron impact excitation of the 6s 2S _{1/2} state of In atom at small scattering angles. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 279-282.	1.4	9
47	Elastic electron scattering by silver atom. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 283-287.	1.4	21
48	Measurement of Beet Root Extract Fluorescence Using TR-LIF Technique. <i>Acta Physica Polonica A</i> , 2009, 116, 570-572.	0.5	7
49	Application of Fourier-Pad ^Å Approximation in Analysis of Holographic Photonic Crystal Structures. <i>Acta Physica Polonica A</i> , 2009, 116, 647-648.	0.5	2
50	Electron-impact excitations of the autoionizing states of bismuth. <i>International Journal of Mass Spectrometry</i> , 2008, 271, 76-79.	1.5	5
51	Elastic scattering of electrons from alanine. <i>International Journal of Mass Spectrometry</i> , 2008, 277, 300-304.	1.5	10
52	Absolute cross sections for elastic electron scattering from 3-hydroxytetrahydrofuran. <i>New Journal of Physics</i> , 2008, 10, 103005.	2.9	20
53	Electron scattering by magnesium: excitation of the 3s4s ¹ S ₀ , 3s3d ¹ D ₂ and 3s4p ¹ P ₁ states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2008, 41, 015202.	1.5	7
54	Experimental and theoretical study of the elastic-electron-indium-atom scattering in the intermediate energy range. <i>Physical Review A</i> , 2008, 77, .	2.5	20

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55	Elastic electron scattering by a Pb atom. <i>Physical Review A</i> , 2008, 77, .	2.5	20
56	Electron interaction with deoxyribose analogue molecules in gaseous phase. <i>Journal of Physics: Conference Series</i> , 2008, 101, 012014.	0.4	5
57	Development of time-resolved laser-induced fluorescence spectroscopic technique for the analysis of biomolecules. <i>Facta Universitatis - Series Physics Chemistry and Technology</i> , 2008, 6, 105-117.	0.5	4
58	Volume correction factor in electron-Indium atom scattering experiments. <i>Facta Universitatis - Series Physics Chemistry and Technology</i> , 2008, 6, 119-125.	0.5	3
59	Elastic electron scattering by a magnesium atom. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 1853-1861.	1.5	10
60	Electron-impact excitation of the $6p7sP13$ state of Pb atom at small scattering angles. <i>Physical Review A</i> , 2007, 75, .	2.5	11
61	Excitation of the $6p7sP0,13$ states of Pb atoms by electron impact: Differential and integrated cross sections. <i>Physical Review A</i> , 2007, 76, .	2.5	8
62	Cross section data for electron collisions in plasma physics. <i>Journal of Physics: Conference Series</i> , 2007, 86, 012006.	0.4	7
63	Guiding of low-energy electrons by highly ordered Al_2O_3 nanocapillaries. <i>Physical Review A</i> , 2007, 75, .	2.5	104
64	Electron collisions by metal atom vapours. <i>Radiation Physics and Chemistry</i> , 2007, 76, 455-460.	2.8	14
65	Information System in Atomic Collision Physics. , 2007, , 485-490.		3
66	Optical and Electron Spectrometry of Molecules of Biological Interest. <i>Acta Physica Polonica A</i> , 2007, 112, 1145-1150.	0.5	0
67	Experimental determination of the differential cross-section surface for elastic electron-atom (molecule) scattering. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 609-623.	1.5	23
68	Elastic scattering of electrons from tetrahydrofurfuryl alcohol. <i>European Physical Journal D</i> , 2006, 40, 107-114.	1.3	30
69	Electron-impact excitation of the $3s3p\ 1P1$ state of magnesium: Electron scattering at small angles. <i>International Journal of Mass Spectrometry</i> , 2006, 251, 66-72.	1.5	15
70	Electron scattering by magnesium: excitation of the $3s3p1P1$ state. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 2583-2592.	1.5	11
71	LOW ENERGY ELECTRON INTERACTIONS WITH BIO-MOLECULES. , 2006, , .		1
72	Elastic scattering of electrons from tetrahydrofuran molecule. <i>European Physical Journal D</i> , 2005, 35, 411-416.	1.3	56

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73	Differential and integrated cross sections for the elastic electron scattering by calcium atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 2371-2384.	1.5	16
74	Elastic scattering of electrons by krypton in the energy range 20â€“260 eV. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 2195-2210.	1.5	12
75	Excitations of P1 levels of zinc by electron impact on the ground state. Physical Review A, 2005, 72, .	2.5	16
76	Electron scattering by ytterbium: I. Excitation of the 4f146s6p1P1 resonance state and elastic collision. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 1329-1340.	1.5	20
77	Electron scattering by ytterbium: II. Excitation of the 4f14(6s6p3P1, 5d6s1D2 and 6s7p1P1) and 4f135d6s2(7/2, 5/2)1 states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 3489-3501.	1.5	12
78	Critical minimum in elastic electron scattering by krypton. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 4861-4868.	1.5	7
79	Differential and integrated cross sections for the electron excitation of the 41P state of calcium atom. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 3571-3581.	1.5	17
80	The high-energy critical minimum in elastic electron scattering by argon. European Physical Journal D, 2004, 29, 329-336.	1.3	7
81	The 1Sâ€“1P electron excitations of Zn at small scattering angles. International Journal of Mass Spectrometry, 2004, 233, 253-257.	1.5	19
82	Elastic electron scattering by argon in the vicinity of the high-energy critical minimum. Radiation Physics and Chemistry, 2004, 70, 669-676.	2.8	10
83	Electron energy-loss spectroscopy of autoionizing states of zinc. Serbian Astronomical Journal, 2004, , 53-58.	0.6	1
84	Electron-impact excitation of the (nÂ 1)d9ns2np autoionizing states of cadmium (nÂ 5) and zinc (nÂ 4). Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 2371-2383.	1.5	20
85	On computing the 2-D FFT. IEEE Transactions on Signal Processing, 1999, 47, 1428-1431.	5.3	4
86	Analysis of hot spots in deuterium plasma focus with SSNTD. Radiation Measurements, 1997, 28, 241-243.	1.4	2
87	Angular distribution of positive particles emitted from deuterium plasma focus. Radiation Measurements, 1997, 28, 245-248.	1.4	3
88	Discrimination of positive particles emitted in deuterium plasma focus device using SSNTD. Radiation Measurements, 1995, 25, 265-266.	1.4	6
89	A new look at the comparison of the fast Hartley and Fourier transforms. IEEE Transactions on Signal Processing, 1994, 42, 2178-2182.	5.3	12
90	Improved implementation of the Princen-Bradley filter bank. IEEE Transactions on Signal Processing, 1994, 42, 3260-3261.	5.3	2

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91	A new efficient implementation of the oddly stacked Princen-Bradley filter bank. IEEE Signal Processing Letters, 1994, 1, 166-168.	3.6	19
92	Measurement of fluences and energies of D+ emitted from the plasma focus in capacitor bank energy interval of 1-20 kJ. Nuclear Tracks and Radiation Measurements (1993), 1993, 22, 535-536.	0.1	3
93	Classification of the ultrasound liver images with the 2D—1-D wavelet transform. , 0, , .		11
94	On computing the 2-D extended lapped transforms. , 0, , .		1
95	Transport of electrons and propagation of the negative ionisation fronts in indium vapour. Plasma Sources Science and Technology, 0, , .	3.1	2