Vladimir I. Makarov

List of Publications by Year
in descending order

157	1,578	394421	395702
papers	citations	19 h-index	33 g-index

158	158	158	1877
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Luminescent graphene quantum dots fabricated by pulsed laser synthesis. Carbon, 2013, 64, 341-350.	10.3	134
2	Synergistic antibacterial activity of PEGylated silverâ€“graphene quantum dots nanocomposites. Applied Materials Today, 2015, 1, 80-87.	4.3	126
3	Room temperature gas sensor based on tin dioxide-carbon nanotubes composite films. Sensors and Actuators B: Chemical, 2014, 190, 227-233.	7.8	113
4	Different approaches to modeling analysis of mitochondrial swelling. Mitochondrion, 2018, 38, 58-70.	3.4	82
5	Improving cytotoxicity against cancer cells by chemo-photodynamic combined modalities using silver-graphene quantum dots nanocomposites. International Journal of Nanomedicine, 2016, 11, 107.	6.7	40
6	Simple kinetic model of mitochondrial swelling in cardiac cells. Journal of Cellular Physiology, 2018, 233, 5310-5321.	4.1	39
7	Solar-blind field-emission diamond ultraviolet detector. Applied Physics Letters, 2015, 107, .	3.3	38
8	Synthesis of nanostructured SiC using the pulsed laser deposition technique. Materials Research Bulletin, 2009, 44, 184-188.	5.2	37
9	Enhancing Colorectal Cancer Radiation Therapy Efficacy using Silver Nanoprisms Decorated with Graphene as Radiosensitizers. Scientific Reports, 2019, 9, 17120.	3.3	34
10	MÃ¼ller Cell Alignment in Bird Fovea: Possible Role in Vision. Journal of Neuroscience and Neuroengineering, 2014, 3, 85-91.	0.2	27
11	Foveolar MÃ¼ller Cells of the Pied Flycatcher: Morphology and Distribution of Intermediate Filaments Regarding Cell Transparency. Microscopy and Microanalysis, 2016, 22, 379-386.	0.4	26
12	External magnetic field acceleration of radiationless processes in the Ãƒ state of gaseous oxalyl fluoride. Molecular Physics, 1995, 84, 911-941.	1.7	25
13	Superparamagnetic Properties of Hemozoin. Scientific Reports, 2016, 6, 26212.	3.3	24
14	HIV-1 Envelope Protein gp120 Promotes Proliferation and the Activation of Glycolysis in Glioma Cell. Cancers, 2018, 10, 301.	3.7	22
15	Microwave field effect on the fluorescence of (COF)2 excited to the 000 band of the Ãƒ1Au state. Chemical Physics Letters, 1997, 266, 303-308.	2.6	21
16	Study of Sâ€“T conversion induced by an external magnetic field in gaseous oxalylfluoride excited to the 00-level of the state. Chemical Physics, 1999, 242, 37-67.	1.9	21
17	Magnetic and microwave field effects for single rotational levels of the 000-band of oxalylfluoride in cooled jet conditions. Journal of Chemical Physics, 1999, 111, 5783-5794.	3.0	21
18	Spectral selectivity model for light transmission by the intermediate filaments in MÃ¼ller cells. Journal of Photochemistry and Photobiology B: Biology, 2017, 173, 282-290.	3.8	21

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19	A Novel Approach to the Layer-Number-Controlled and Grain-Size-Controlled Growth of High Quality Graphene for Nanoelectronics. ACS Applied Nano Materials, 2018, 1, 1502-1512.	5.0	20
20	MÃ¼ller glial cells contribute to dim light vision in the spectacled caiman (Caiman crocodilus fuscus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.6	20
21	Computational Modeling of In Vitro Swelling of Mitochondria: A Biophysical Approach. Molecules, 2018, 23, 783.	3.8	19
22	Model of polarization selectivity of the intermediate filament optical channels. Photonics and Nanostructures - Fundamentals and Applications, 2015, 16, 24-33.	2.0	18
23	Optical transparency and electrical conductivity of intermediate filaments in MÃ¼ller cells and single-wall carbon nanotubes. Chemical Physics, 2019, 519, 6-20.	1.9	18
24	Time-resolved experiments on external microwave field action in gaseous oxalylfluoride excited to the 0⁰₀â€"band of the Î¼¹A_ustate. Molecular Physics, 1999, 96, 1231-1236.	1.7	16
25	Energy propagation along polypeptide Î±-helix: Experimental data and ab initio zone structure. BioSystems, 2019, 185, 104016.	2.0	15
26	In silico simulation of reversible and irreversible swelling of mitochondria: The role of membrane rigidity. Mitochondrion, 2020, 50, 71-81.	3.4	15
27	Magnetic fluorescence and phosphorescence quenching of gas-phase sulfur dioxide. Reaction Kinetics and Catalysis Letters, 1979, 12, 225-227.	0.6	14
28	Time-resolved fluorescence of NO 2 in a magnetic field. Chemical Physics Letters, 1993, 215, 662-667.	2.6	14
29	Photoconductivity of the TiO2+Fullerene-C60 bilayers: steady-state and time-resolved measurements. Chemical Physics Letters, 2002, 355, 504-508.	2.6	14
30	Fabrication and field emission study of novel rod-shaped diamond-like carbon nanostructures. Nanotechnology, 2010, 21, 285301.	2.6	13
31	Quantum mechanism of light transmission by the intermediate filaments in some specialized optically transparent cells. Neurophotonics, 2016, 4, 011005.	3.3	13
32	Quantum confinement in metal nanofilms: Optical spectra. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 175, 68-75.	2.3	13
33	Macroscopic excitation energy transport in a structured Co nanolayer. Physical Review B, 2017, 96, .	3.2	13
34	On the Effects of Mechanical Stress of Biological Membranes in Modeling of Swelling Dynamics of Biological Systems. Scientific Reports, 2020, 10, 8395.	3.3	12
35	Studies of the photochemical reactions of sulfur dioxide with pentane in the presence of nitrogen oxide. International Journal of Chemical Kinetics, 1981, 13, 231-243.	1.6	11
36	Studies of magnetic field effects on the intensity and the lifetime of sulfur dioxide luminescence in the gas phase. Chemical Physics, 1982, 72, 213-223.	1.9	11

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37	Quantum confinement in semiconductor nanofilms: Optical spectra and multiple exciton generation. Photonics and Nanostructures - Fundamentals and Applications, 2016, 19, 39-47.	2.0	11
38	Quantum mechanism of light energy propagation through an avian retina. Journal of Photochemistry and Photobiology B: Biology, 2019, 197, 111543.	3.8	11
39	New unique optical and electric properties of intermediate filaments in MÃ¼ller cells. Experimental Eye Research, 2019, 184, 296-299.	2.6	11
40	Neotectonics and geodynamics of mountain systems of Central Asia. Quaternary International, 1995, 25, 19-23.	1.5	10
41	Observation of spin-polarized state transport from a ferromagnetic to a conductive material. Journal of Applied Physics, 2011, 110, .	2.5	10
42	Superemission of Cr nanolayers. Materials Research Bulletin, 2016, 80, 88-95.	5.2	10
43	Intermediate filaments in the retinal MÃ¼ller cells as natural light energy guides. Journal of Photochemistry and Photobiology B: Biology, 2019, 200, 111641.	3.8	10
44	The pressure-dependence of fluorescence intensity and photolysis rate of the vapors of carbon bisulfide, nitrogen dioxide, and sulfur dioxide. International Journal of Chemical Kinetics, 1990, 22, 1-19.	1.6	9
45	Quenching of SO2 fluorescence in a magnetic field: experimental and theoretical analysis. Journal of Photochemistry and Photobiology A: Chemistry, 1992, 69, 7-16.	3.9	9
46	Time-resolved Fourier transform infrared study of the 193 nm photolysis of SO2. Chemical Physics Letters, 2003, 378, 493-502.	2.6	9
47	Electron emission from diamond films seeded using kitchen-wrap polyethylene. Journal Physics D: Applied Physics, 2011, 44, 085502.	2.8	9
48	Ultraviolet photosensitivity of sulfur-doped micro- and nano-crystalline diamond. Journal of Applied Physics, 2011, 109, .	2.5	9
49	Quantum confinement in multi-nanolayer sandwich systems. Journal of Physics and Chemistry of Solids, 2017, 110, 354-363.	4.0	9
50	Electric field modulation of light energy transmission along intermediate filaments isolated from porcine retina. Chemical Physics, 2020, 536, 110833.	1.9	9
51	Collisional nature of the magnetic field quenching of the acetylene state. Chemical Physics, 2001, 264, 101-110.	1.9	8
52	Optically detected EPR effect in the triplet state of the oxalylfluoride molecule excited to the Jâ€²=2 and 4 rotational levels of the 0 vibronic state. Chemical Physics, 2001, 263, 359-377.	1.9	8
53	Spin-polarized state transport from ferromagnetic to conductive material: Signal amplification by ferromagnetic layer. Journal of Applied Physics, 2012, 112, .	2.5	8
54	Nonlinear optical effects in a three-nanolayer metal sandwich assembly. Journal of Applied Physics, 2018, 123, .	2.5	8

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55	Electric field modulation of energy transfer along intermediate filaments isolated from porcine retina. Chemical Physics Letters, 2019, 729, 69-72.	2.6	8
56	Gas phase photoreaction of SO2 with n-pentane in the presence of NO. Reaction Kinetics and Catalysis Letters, 1978, 9, 217-220.	0.6	7
57	Intramolecular energy-transfer processes induced by an external electric field. Physical Review A, 2003, 68, .	2.5	7
58	Detection of SH and CS radicals by cavity ringdown spectroscopy in a hot filament chemical vapor deposition environment. Chemical Physics Letters, 2008, 455, 26-31.	2.6	7
59	Photochemical reaction dynamics in SO2-acetylene complexes. Journal of Chemical Physics, 2010, 132, 224309.	3.0	7
60	Spin-polarized state quantum filter used to measure spin-polarized state relaxation time and g-factor. Journal of Applied Physics, 2013, 113, 084304.	2.5	7
61	Synthesis, Characterization and Fabrication of Graphene/Boron Nitride Nanosheets Heterostructure Tunneling Devices. Nanomaterials, 2019, 9, 925.	4.1	7
62	Optical properties of ZnO semiconductor nanolayers. Materials Research Bulletin, 2019, 109, 291-300.	5.2	7
63	Magnetic field effects on formaldehyde-d2 Predissociation and photochemical reactions of SO2 with pentane in the gas phase. Chemical Physics Letters, 1981, 78, 8-12.	2.6	6
64	The influence of a magnetic field on the fluorescence and photolysis rate of carbon disulfide vapour. Chemical Physics Letters, 1986, 124, 499-503.	2.6	6
65	Sâ€“T conversion induced by external magnetic field in gaseous oxalylfluoride excited to the 7151-level of the Ãƒâ€Š1Au state. Journal of Chemical Physics, 2000, 113, 128-135.	3.0	6
66	Magnetic Field Influence on Dynamics of Singlet-Triplet Conversion. Advances in Chemical Physics, 2007, , 45-98.	0.3	6
67	Quantum filter of spin polarized states: Metalâ€“dielectricâ€“ferromagnetic/semiconductor device. Materials Research Bulletin, 2014, 50, 514-523.	5.2	6
68	On the Role of the Blood Vessel Endothelial Microvilli in the Blood Flow in Small Capillaries. Journal of Biophysics, 2015, 2015, 1-6.	0.8	6
69	Synthesis micro-scale boron nitride nanotubes at low substrate temperature. AIP Advances, 2016, 6, 075110.	1.3	6
70	Superemission in vertically-aligned single-wall carbon nanotubes. Photonics and Nanostructures - Fundamentals and Applications, 2016, 21, 67-81.	2.0	6
71	Electron microscopy study of the central retinal fovea in Pied flycatcher: evidence of a mechanism of light energy transmission through the retina. Heliyon, 2020, 6, e04146.	3.2	6
72	Energy transfer along MÃ¼ller cell intermediate filaments isolated from porcine retina: I. Excitons produced by ADH1A dimers upon simultaneous hydrolysis of two ATP molecules. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 250, 119361.	3.9	6

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73	Reaction coupling in ADH1A alcohol dehydrogenase enzyme by exciplex formation with adenosine diphosphate moderated by low-energy electronic excited states. Physical Review E, 2021, 103, 052405.	2.1	6
74	Energy transfer along MÃ¼ller cell intermediate filaments isolated from porcine retina: II. Excitons at 2500Âcmâ¯1 produced by ADH1A upon hydrolysis of one ATP molecule. Chemical Physics Letters, 2021, 777, 138651.	2.6	6
75	LIF detection of NO3 radical after pulsed excitation of NO2 vapor at 436.45 nm. Chemical Physics Letters, 1994, 222, 135-140.	2.6	5
76	Optical-IR double resonance effect for the rovibronic state of (COF)2. Molecular Physics, 2006, 104, 2497-2506.	1.7	5
77	Growth and field emission properties of one-dimensional carbon composite structure consisting of vertically aligned carbon nanotubes and nanocones. Journal Physics D: Applied Physics, 2009, 42, 035409.	2.8	5
78	Genesis of diamond nanotubes from carbon nanotubes. Europhysics Letters, 2011, 95, 28002.	2.0	5
79	Anticrossing spectroscopy in multi-nanolayer structures. Journal of Physics and Chemistry of Solids, 2014, 75, 670-679.	4.0	5
80	Macro-scale transport of the excitation energy along a metal nanotrack: exciton-plasmon energy transfer mechanism. Scientific Reports, 2019, 9, 98.	3.3	5
81	Volt-ampere characteristics of porcine retinal MÃ¼ller cell intermediate filaments. Chemical Physics, 2020, 528, 110532.	1.9	5
82	Reversible and irreversible mitochondrial swelling in vitro. Biophysical Chemistry, 2021, 278, 106668.	2.8	5
83	Magnetic field effect of the fluorescence of gaseous NO2 excited to the 2B2 and 2B1 states. Chemical Physics, 1996, 207, 115-136.	1.9	4
84	Magnetic field effect on the H2CS fluorescence from the first excited singlet state Ãƒ1A2. Molecular Physics, 2002, 100, 953-969.	1.7	4
85	Magnetic field quenching of individual rotational levels of the Ãƒâ€Š1Au, 2v3â€² state of acetylene. Journal of Chemical Physics, 2003, 118, 87-92.	3.0	4
86	State dynamics of (COF)2 excited to single rotational levels of different vibronic states of the electronic state. Chemical Physics, 2006, 321, 233-248.	1.9	4
87	Probing the structural, crystalline, and electrical properties of carbon nanotubes grown on nickel filled carbon nanofibers. Applied Physics Letters, 2009, 95, 061906.	3.3	4
88	Spin polarized state filter based on semiconductorâ€“dielectricâ€“ironâ€“semiconductor multi-nanolayer device. Materials Research Bulletin, 2015, 64, 156-162.	5.2	4
89	EPR hyperthermia of S. cerevisiae using superparamagnetic Fe3O4 nanoparticles. Journal of Thermal Biology, 2018, 77, 55-61.	2.5	4
90	Reversible and irreversible mitochondrial swelling: Effects of variable mitochondrial activity. BioSystems, 2021, 210, 104559.	2.0	4

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91	Photobleaching of the SO2 transition caused by optically pumping the state. Journal of Photochemistry and Photobiology A: Chemistry, 2000, 135, 1-5.	3.9	3
92	Optically detected EPR effect in the Ã£³A_utriplet state of the oxalylfluoride molecule excited to the 4₁₃, 4₂₃and 4₃₁rotational levels of the 0⁰(Ãƒ¹A_u) vibronic state. Molecular Physics, 2000, 98, 1659-1667.	1.7	3
93	Sâ€“T conversion induced by external magnetic field in gaseous oxalylfluoride excited to different single rotational levels (SRL) of the the state. II. Excitation to the SRLs of the 51,7181 and 5171 vironic levels. Chemical Physics, 2002, 281, 71-89.	1.9	3
94	Sâ€“T conversion induced by magnetic field in H2CS excited to the single rotational levels of the vibronic state. Chemical Physics, 2003, 292, 71-80.	1.9	3
95	Optical-IR double resonance effect for single rotational lines of the 000 vibrational transition in H2CS. Chemical Physics Letters, 2004, 388, 297-305.	2.6	3
96	Study of the OD EPR phenomena in (COF)2 excited to single rotational levels of the <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co	1.9	3
97	Sâ€“T conversion dynamics in acetylene: OD EPR studies. Chemical Physics Letters, 2005, 402, 352-360.	2.6	3
98	FTIR and UV spectroscopy in real-time monitoring of S. cerevisiae cell culture. Electromagnetic Biology and Medicine, 2011, 30, 181-197.	1.4	3
99	Exchange resonance in MDM nanolayer systems: Experiment and theory. Journal of Chemical Physics, 2013, 138, 074705.	3.0	3
100	External control of theDrosophila melanogasterlifespan by combination of 3D oscillating low-frequency electric and magnetic fields. Electromagnetic Biology and Medicine, 2014, 33, 276-281.	1.4	3
101	Spin-anticrossing effects in Coâ€“SiO2â€“Fe and ZnOâ€“SiO2â€“CuO three-nanolayer devices. Materials Research Bulletin, 2015, 72, 50-59.	5.2	3
102	Nonlinear optical effects in one- and two-layer metal structures. Journal of Physics and Chemistry of Solids, 2019, 124, 176-185.	4.0	3
103	Magnetic field effect on the S and L components in sulfur dioxide fluorescence. Chemical Physics, 1990, 146, 1-11.	1.9	2
104	Magnetic field influence on the photolysis of the gaseous systems.. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 119, 147-150.	3.9	2
105	Magnetic field effect on the H2CS fluorescence from the first excited singlet state. Chemical Physics, 2001, 271, 79-96.	1.9	2
106	H2CSâ€“C6H6 cluster effects in the Sâ€“T conversion dynamics of H2CS excited to individual rotational levels of the <mml:math altimg="si3.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http:. Chemical Physics, 2004, 30	1.9	2
107	Excited-state dynamics of acetylene excited to individual rotational level of the V04K01 subband. Journal of Chemical Physics, 2006, 124, 044313.	3.0	2
108	Dynamics of energy transfer processes in oxalylfluorideâ€“acetylene clusters. Chemical Physics, 2008, 353, 1-12.	1.9	2

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109	Photodissociation of (SO2â‹¯XH) Van der Waals complexes and clusters (XH = C2H2, C2H4, C2H6) excited at 32â€‰040â€“32â€‰090 cmâ¯1 with formation of HSO2 and X. Journal of Chemical Physics, 2014, 140, 054304.	3.0	2
110	Temperature dependence of the spin relaxation time of Fe 3 O 4 and hemozoin superparamagnetic nanocrystals. Chemical Physics, 2017, 493, 120-132.	1.9	2
111	Analysis of quantum coherence in biology. Chemical Physics, 2020, 532, 110671.	1.9	2
112	Observation of the fast component in the fluorescence of gaseous SO2 excited to the A1A2 state in the presence of a magnetic field. Molecular Physics, 1996, 89, 1803-1823.	1.7	2
113	Quenching of S02 phosphorescence by a magnetic field. Molecular Physics, 1996, 89, 867-878.	1.7	2
114	Contrary to consensus, oxidation of ethanol by human alcohol dehydrogenase (ADH) 1A is activated by ATP. Biochimie, 2021, , .	2.6	2
115	Photo-activation of mitochondrial ATP synthesis. Journal of Photochemistry and Photobiology B: Biology, 2022, 228, 112376.	3.8	2
116	Temperature dependence of IR exciton emission spectra in MÃ¼ller cell intermediate filaments. BioSystems, 2022, 215-216, 104651.	2.0	2
117	Photolysis of SO2-alkane-NO systems in the gas phase. Reaction Kinetics and Catalysis Letters, 1982, 19, 383-387.	0.6	1
118	Magnetic field effects on the gas-phase photolysis of nitrogen dioxide: Pressure dependence of the photolysis rate. Chemical Physics Letters, 1988, 148, 343-346.	2.6	1
119	SO2 fluorescence in cooled molecular beams under a magnetic field. The model analysis. Chemical Physics, 1993, 171, 275-284.	1.9	1
120	Quenching of SO2phosphorescence by a magnetic field. Molecular Physics, 1996, 89, 867-878.	1.7	1
121	On cooling of vibrationally excited benzene molecules in supersonic molecular beams. Chemical Physics Letters, 1999, 299, 227-232.	2.6	1
122	Relaxation of individual rotational levels of the electronic state of acetylene excited to the 2Î½3â€² and (Î½1â€²+Î½3â€²+Î½6â€²) vibrational modes. Chemical Physics, 2000, 253, 259-265.	1.9	1
123	Photolysis of NO2 excited below the dissociative limit. Journal of Chemical Physics, 2000, 113, 200-210.	3.0	1
124	Singletâ€“triplet conversion induced by external magnetic field in gaseous oxalylfluoride excited to different single rotational levels of the Ãƒâ€Š1Au state. I. Excitation to the SRLs of the 81 vibronic level. Journal of Chemical Physics, 2002, 117, 1567-1574.	3.0	1
125	Mechanism of SO2 photoionization at 193 and 308 nm in a supersonic jet. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 147, 85-91.	3.9	1
126	Laser-initiated processes within (SO2)m(NO)n weakly-bound clusters. Chemical Physics, 2003, 295, 131-136.	1.9	1

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127	Photochemical separation of the 85Rb and 87Rb isotopes. Chemical Physics Letters, 2003, 376, 230-236.	2.6	1
128	Double optical-IR resonance effect for the single rotational level of the vibronic transition of C2H2. Chemical Physics, 2006, 321, 140-148.	1.9	1
129	Dynamics of secondary and tertiary structure relaxation of a cyclic penta-peptide: Time-resolved FTIR studies. Chemical Physics, 2006, 328, 111-118.	1.9	1
130	The 193 nm photodissociation of borazine. Chemical Physics Letters, 2011, 509, 108-113.	2.6	1
131	Reduction of laser-induced retinal injury applying the combination of the 3D variable electric and magnetic fields in â€œvivoâ€• Electromagnetic Biology and Medicine, 2014, 33, 103-117.	1.4	1
132	Modulation effect of low-frequency electric and magnetic fields on CO₂production and rates of acetate and pyruvate formation inSaccharomyces cerevisiaecell culture. Electromagnetic Biology and Medicine, 2015, 34, 93-104.	1.4	1
133	Observation of the C 2 H radical using (1 + 2) REMPI via theBÌƒ2Aâ€²â†XÌƒ2Î£+transition. Chemical Physics, 2016, 479, 91-98.	1.9	1
134	Quantum spin polarization effect in multi-nanolayer structures. Journal of Physics and Chemistry of Solids, 2017, 107, 140-149.	4.0	1
135	Resonant heating of Fe3O4 and hemozoin nanoparticles dispersed in D2O by RF excitation of transitions between Zeeman components. Chemical Physics, 2018, 506, 1-9.	1.9	1
136	Absorption spectra of MÃ¼ller cell intermediate filaments: Experimental results and theoretical models. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118452.	3.9	1
137	Effects of pulsed electric fields on exciton propagation efficiency along MÃ¼ller cell intermediate filaments. Possible separation mechanism of high- and low-contrast images by the eye-brain system. Biochemical and Biophysical Research Communications, 2022, 593, 1-4.	2.1	1
138	Mitochondrial ATP Synthesis Activated by Exciton Energy Transfer from MÃ¼ller cell Intermediate Filaments. Chemical Physics, 2022, , 111475.	1.9	1
139	Theoretical analysis of reversible and irreversible mitochondrial swelling in vivo. BioSystems, 2022, , 104679.	2.0	1
140	Theoretical approaches used in the modelling of reversible and irreversible mitochondrial swelling in vitro. Progress in Biophysics and Molecular Biology, 2022, , .	2.9	1
141	Magnetic-field effect on S and L components of sulfur dioxide fluorescence. Chemical Physics Letters, 1990, 168, 499-504.	2.6	0
142	Fluorescence of SO2 in a magnetic field in cooled ultrasound molecular beams. Journal of Applied Spectroscopy, 1991, 55, 1250-1255.	0.7	0
143	Magnetic field effect of the fluorescence of gaseous NO2 excited to the 2B2 and 2B1 states (Chemical) Tj ETQq1 1 0.784314 rgBT /O	1.9	0
144	Vibrationally excited benzene molecular cooling in supersonic beams. , 1998, 3485, 616.		0

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145	Magnetic fluorescence quenching of the NO Î²(0â€“9) transition. Chemical Physics, 2000, 252, 379-392.	1.9	0
146	TOF MS studies concerning the synthesis of B-N and B-C-N nanaostructured materials by laser ablation. , 2006, 6261, 750.		0
147	State dynamics of acetylene excited to individual rotational level of the V12K10,1,2 subbands. Journal of Chemical Physics, 2007, 126, 094302.	3.0	0
148	Secondary electron emission from nanocomposite carbon films. Journal of Materials Science: Materials in Electronics, 2009, 20, 996-1000.	2.2	0
149	8.4: A novel nanowire optical frequency rectifying diode: Application as an IR and optical sensor. , 2010, , .		0
150	External control of theDrosophila melanogasteregg to imago development period by specific combinations of 3D low-frequency electric and magnetic fields. Electromagnetic Biology and Medicine, 2016, 35, 15-29.	1.4	0
151	Quantum information generation, storage and transmission based on nuclear spins. Journal of Magnetism and Magnetic Materials, 2018, 453, 1-9.	2.3	0
152	Superluminescence and Macroscopic Exciton Propagation in Freestanding ZnO thin films. Journal of Physics and Chemistry of Solids, 2020, 146, 109568.	4.0	0
153	Focusing effects of ballistic transverse-quantized excitons in metal nanofilms. Optik, 2021, 242, 167283.	2.9	0
154	Stretching tension effects in permeability transition pores of inner mitochondrial membrane. BioSystems, 2021, 208, 104488.	2.0	0
155	Mechanism of the magnetic field quenching of NO Î²(0-9)-band fluorescence. , 1998, , .		0
156	Intermediate filaments are natural energy conductors. Chemical Physics, 2022, , 111595.	1.9	0
157	Observation of the fast component in the fluorescence of gaseous SO2 excited to the A1A2 state in the presence of a magnetic field. Molecular Physics, 1996, 89, 1803-1823.	1.7	0