Vladimir I. Makarov

List of Publications by Year
in descending order

157 papers	1,578 citations	394421 19 h-index	395702 33 g-index
158 all docs	158 docs citations	158 times ranked	1877 citing authors

#	Article	IF	Citations
1	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
2	Photo-activation of mitochondrial ATP synthesis. Journal of Photochemistry and Photobiology B: Biology, 2022, 228, 112376.	3.8	2
3	Mitochondrial ATP Synthesis Activated by Exciton Energy Transfer from MÃ¼ller cell Intermediate Filaments. Chemical Physics, 2022, , 111475.	1.9	1
4	Theoretical analysis of reversible and irreversible mitochondrial swelling in vivo. BioSystems, 2022, , 104679.	2.0	1
5	Temperature dependence of IR exciton emission spectra in MÃ¼ller cell intermediate filaments. BioSystems, 2022, 215-216, 104651.	2.0	2
6	Theoretical approaches used in the modelling of reversible and irreversible mitochondrial swelling in vitro. Progress in Biophysics and Molecular Biology, 2022, , .	2.9	1
7	Intermediate filaments are natural energy conductors. Chemical Physics, 2022, , 111595.	1.9	0
8	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
9	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
10	Energy transfer along MÃ¼ller cell intermediate filaments isolated from porcine retina: II. Excitons at 2500Âcmâˆ’1 produced by ADH1A upon hydrolysis of one ATP molecule. Chemical Physics Letters, 2021, 777, 138651.	2.6	6
11	Focusing effects of ballistic transverse-quantized excitons in metal nanofilms. Optik, 2021, 242, 167283.	2.9	0
12	Stretching tension effects in permeability transition pores of inner mitochondrial membrane. BioSystems, 2021, 208, 104488.	2.0	0
13	Reversible and irreversible mitochondrial swelling in vitro. Biophysical Chemistry, 2021, 278, 106668.	2.8	5
14	Reversible and irreversible mitochondrial swelling: Effects of variable mitochondrial activity. BioSystems, 2021, 210, 104559.	2.0	4
15	Contrary to consensus, oxidation of ethanol by human alcohol dehydrogenase (ADH) 1A is activated by ATP. Biochimie, 2021, , .	2.6	2
16	Volt-ampere characteristics of porcine retinal MÃ¼ller cell intermediate filaments. Chemical Physics, 2020, 528, 110532.	1.9	5
17	In silico simulation of reversible and irreversible swelling of mitochondria: The role of membrane rigidity. Mitochondrion, 2020, 50, 71-81.	3.4	15
18	Analysis of quantum coherence in biology. Chemical Physics, 2020, 532, 110671.	1.9	2

#	Article	IF	Citations
19	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
20	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
21	Superluminescence and Macroscopic Exciton Propagation in Freestanding ZnO thin films. Journal of Physics and Chemistry of Solids, 2020, 146, 109568.	4.0	0
22	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
23	Electric field modulation of light energy transmission along intermediate filaments isolated from porcine retina. Chemical Physics, 2020, 536, 110833.	1.9	9
24	Synthesis, Characterization and Fabrication of Graphene/Boron Nitride Nanosheets Heterostructure Tunneling Devices. Nanomaterials, 2019, 9, 925.	4.1	7
25	Quantum mechanism of light energy propagation through an avian retina. Journal of Photochemistry and Photobiology B: Biology, 2019, 197, 111543.	3.8	11
26	Energy propagation along polypeptide Î±-helix: Experimental data and ab initio zone structure. BioSystems, 2019, 185, 104016.	2.0	15
27	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
28	Electric field modulation of energy transfer along intermediate filaments isolated from porcine retina. Chemical Physics Letters, 2019, 729, 69-72.	2.6	8
29	New unique optical and electric properties of intermediate filaments in MÃ¼ller cells. Experimental Eye Research, 2019, 184, 296-299.	2.6	11
30	Enhancing Colorectal Cancer Radiation Therapy Efficacy using Silver Nanoprisms Decorated with Graphene as Radiosensitizers. Scientific Reports, 2019, 9, 17120.	3.3	34
31	Nonlinear optical effects in one- and two-layer metal structures. Journal of Physics and Chemistry of Solids, 2019, 124, 176-185.	4.0	3
32	Macro-scale transport of the excitation energy along a metal nanotrack: exciton-plasmon energy transfer mechanism. Scientific Reports, 2019, 9, 98.	3.3	5
33	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
34	Optical properties of ZnO semiconductor nanolayers. Materials Research Bulletin, 2019, 109, 291-300.	5.2	7
35	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
36	Quantum information generation, storage and transmission based on nuclear spins. Journal of Magnetism and Magnetic Materials, 2018, 453, 1-9.	2.3	0

#	Article	IF	Citations
37	Simple kinetic model of mitochondrial swelling in cardiac cells. Journal of Cellular Physiology, 2018, 233, 5310-5321.	4.1	39
38	Nonlinear optical effects in a three-nanolayer metal sandwich assembly. Journal of Applied Physics, 2018, 123, .	2.5	8
39	Different approaches to modeling analysis of mitochondrial swelling. Mitochondrion, 2018, 38, 58-70.	3.4	82
40	HIV-1 Envelope Protein gp120 Promotes Proliferation and the Activation of Glycolysis in Glioma Cell. Cancers, 2018, 10, 301.	3.7	22
41	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
42	EPR hyperthermia of S. cerevisiae using superparamagnetic Fe3O4 nanoparticles. Journal of Thermal Biology, 2018, 77, 55-61.	2.5	4
43	Computational Modeling of In Vitro Swelling of Mitochondria: A Biophysical Approach. Molecules, 2018, 23, 783.	3.8	19
44	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
45	Quantum spin polarization effect in multi-nanolayer structures. Journal of Physics and Chemistry of Solids, 2017, 107, 140-149.	4.0	1
46	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
47	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
48	Quantum confinement in multi-nanolayer sandwich systems. Journal of Physics and Chemistry of Solids, 2017, 110, 354-363.	4.0	9
49	Macroscopic excitation energy transport in a structured Co nanolayer. Physical Review B, 2017, 96, .	3.2	13
50	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
51	Synthesis micro-scale boron nitride nanotubes at low substrate temperature. AIP Advances, 2016, 6, 075110.	1.3	6
52	Superparamagnetic Properties of Hemozoin. Scientific Reports, 2016, 6, 26212.	3.3	24
53	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
54	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

#	Article	IF	Citations
55	Superemission in vertically-aligned single-wall carbon nanotubes. Photonics and Nanostructures - Fundamentals and Applications, 2016, 21, 67-81.	2.0	6
56	Quantum mechanism of light transmission by the intermediate filaments in some specialized optically transparent cells. Neurophotonics, 2016, 4, 011005.	3.3	13
57	Quantum confinement in metal nanofilms: Optical spectra. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 175, 68-75.	2.3	13
58	Superemission of Cr nanolayers. Materials Research Bulletin, 2016, 80, 88-95.	5.2	10
59	Quantum confinement in semiconductor nanofilms: Optical spectra and multiple exciton generation. Photonics and Nanostructures - Fundamentals and Applications, 2016, 19, 39-47.	2.0	11
60	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
61	Solar-blind field-emission diamond ultraviolet detector. Applied Physics Letters, 2015, 107, .	3.3	38
62	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
63	Synergistic antibacterial activity of PEGylated silverâ€“graphene quantum dots nanocomposites. Applied Materials Today, 2015, 1, 80-87.	4.3	126
64	Spin polarized state filter based on semiconductorâ€“dielectricâ€“ironâ€“semiconductor multi-nanolayer device. Materials Research Bulletin, 2015, 64, 156-162.	5.2	4
65	Modulation effect of low-frequency electric and magnetic fields on CO₂production and rates of acetate and pyruvate formation in<i>Saccharomyces cerevisiae</i>cell culture. Electromagnetic Biology and Medicine, 2015, 34, 93-104.	1.4	1
66	Spin-anticrossing effects in Coâ€“SiO2â€“Fe and ZnOâ€“SiO2â€“CuO three-nanolayer devices. Materials Research Bulletin, 2015, 72, 50-59.	5.2	3
67	Model of polarization selectivity of the intermediate filament optical channels. Photonics and Nanostructures - Fundamentals and Applications, 2015, 16, 24-33.	2.0	18
68	Photodissociation of (SO2â‹¯XH) Van der Waals complexes and clusters (XH = C2H2, C2H4, C2H6) excited at 32â€‰040â€“32â€‰090 cmâˆ’1 with formation of HSO2 and X. Journal of Chemical Physics, 2014, 140, 054304.	3.0	2
69	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
70	Anticrossing spectroscopy in multi-nanolayer structures. Journal of Physics and Chemistry of Solids, 2014, 75, 670-679.	4.0	5
71	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
72	Room temperature gas sensor based on tin dioxide-carbon nanotubes composite films. Sensors and Actuators B: Chemical, 2014, 190, 227-233.	7.8	113

#	Article	IF	Citations
73	Quantum filter of spin polarized states: Metalâ€“dielectricâ€“ferromagnetic/semiconductor device. Materials Research Bulletin, 2014, 50, 514-523.	5.2	6
74	MÃ¼ller Cell Alignment in Bird Fovea: Possible Role in Vision. Journal of Neuroscience and Neuroengineering, 2014, 3, 85-91.	0.2	27
75	Luminescent graphene quantum dots fabricated by pulsed laser synthesis. Carbon, 2013, 64, 341-350.	10.3	134
76	Exchange resonance in MDM nanolayer systems: Experiment and theory. Journal of Chemical Physics, 2013, 138, 074705.	3.0	3
77	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
78	Spin-polarized state transport from ferromagnetic to conductive material: Signal amplification by ferromagnetic layer. Journal of Applied Physics, 2012, 112, .	2.5	8
79	Genesis of diamond nanotubes from carbon nanotubes. Europhysics Letters, 2011, 95, 28002.	2.0	5
80	Electron emission from diamond films seeded using kitchen-wrap polyethylene. Journal Physics D: Applied Physics, 2011, 44, 085502.	2.8	9
81	Ultraviolet photosensitivity of sulfur-doped micro- and nano-crystalline diamond. Journal of Applied Physics, 2011, 109, .	2.5	9
82	The 193 nm photodissociation of borazine. Chemical Physics Letters, 2011, 509, 108-113.	2.6	1
83	Observation of spin-polarized state transport from a ferromagnetic to a conductive material. Journal of Applied Physics, 2011, 110, .	2.5	10
84	FTIR and UV spectroscopy in real-time monitoring of S. cerevisiae cell culture. Electromagnetic Biology and Medicine, 2011, 30, 181-197.	1.4	3
85	8.4: A novel nanowire optical frequency rectifying diode: Application as an IR and optical sensor. , 2010, , .		0
86	Photochemical reaction dynamics in SO2-acetylene complexes. Journal of Chemical Physics, 2010, 132, 224309.	3.0	7
87	Fabrication and field emission study of novel rod-shaped diamond-like carbon nanostructures. Nanotechnology, 2010, 21, 285301.	2.6	13
88	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
89	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
90	Synthesis of nanostructured SiC using the pulsed laser deposition technique. Materials Research Bulletin, 2009, 44, 184-188.	5.2	37

#	Article	IF	Citations
91	Secondary electron emission from nanocomposite carbon films. Journal of Materials Science: Materials in Electronics, 2009, 20, 996-1000.	2.2	0
92	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
93	Dynamics of energy transfer processes in oxalylfluorideâ€“acetylene clusters. Chemical Physics, 2008, 353, 1-12.	1.9	2
94	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
95	Magnetic Field Influence on Dynamics of Singlet-Triplet Conversion. Advances in Chemical Physics, 2007, , 45-98.	0.3	6
96	Optical-IR double resonance effect for the rovibronic state of (COF)2. Molecular Physics, 2006, 104, 2497-2506.	1.7	5
97	TOF MS studies concerning the synthesis of B-N and B-C-N nanaostructured materials by laser ablation. , 2006, 6261, 750.		0
98	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
99	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
100	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
101	Excited-state dynamics of acetylene excited to individual rotational level of the V04K01 subband. Journal of Chemical Physics, 2006, 124, 044313.	3.0	2
102	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
103	Sâ€“T conversion dynamics in acetylene: OD EPR studies. Chemical Physics Letters, 2005, 402, 352-360.	2.6	3
104	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
105	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
106	Laser-initiated processes within (SO2)m(NO)n weakly-bound clusters. Chemical Physics, 2003, 295, 131-136.	1.9	1
107	Photochemical separation of the 85Rb and 87Rb isotopes. Chemical Physics Letters, 2003, 376, 230-236.	2.6	1
108	Time-resolved Fourier transform infrared study of the 193 nm photolysis of SO2. Chemical Physics Letters, 2003, 378, 493-502.	2.6	9

#	ARTICLE	IF	CITATIONS
109	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
110	Intramolecular energy-transfer processes induced by an external electric field. Physical Review A, 2003, 68, .	2.5	7
111	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
112	Magnetic field effect on the H2CS fluorescence from the first excited singlet state Ãƒ1A2. Molecular Physics, 2002, 100, 953-969.	1.7	4
113	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
114	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
115	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
116	Photoconductivity of the TiO2+Fullerene-C60 bilayers: steady-state and time-resolved measurements. Chemical Physics Letters, 2002, 355, 504-508.	2.6	14
117	Collisional nature of the magnetic field quenching of the acetylene state. Chemical Physics, 2001, 264, 101-110.	1.9	8
118	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
119	Magnetic field effect on the H2CS fluorescence from the first excited singlet state. Chemical Physics, 2001, 271, 79-96.	1.9	2
120	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
121	Magnetic fluorescence quenching of the NO Î²(0â€“9) transition. Chemical Physics, 2000, 252, 379-392.	1.9	0
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	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
124	Photolysis of NO2 excited below the dissociative limit. Journal of Chemical Physics, 2000, 113, 200-210.	3.0	1
125	Optically detected EPR effect in the Ã£³<i>A_u</i>triplet state of the oxalylfluoride molecule excited to the 4₁₃, 4₂₃and 4₃₁rotational levels of the 0⁰(Ãƒ¹<i>A_u</i>) vibronic state. Molecular Physics, 2000, 98, 1659-1667.	1.7	3
126	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

#	Article	IF	Citations
127	On cooling of vibrationally excited benzene molecules in supersonic molecular beams. Chemical Physics Letters, 1999, 299, 227-232.	2.6	1
128	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
129	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
130	Magnetic field influence on the photolysis of the gaseous systems.. Journal of Photochemistry and Photobiology A: Chemistry, 1998, 119, 147-150.	3.9	2
131	Vibrationally excited benzene molecular cooling in supersonic beams. , 1998, 3485, 616.		0
132	Mechanism of the magnetic field quenching of NO Î² (0-9)-band fluorescence. , 1998, , .		0
133	Magnetic field effect of the fluorescence of gaseous NO2 excited to the 2B2 and 2B1 states (Chemical) Tj ETQq1 1 0.784314 rgBT /Ove	1.9	0
134	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
135	Quenching of SO2phosphorescence by a magnetic field. Molecular Physics, 1996, 89, 867-878.	1.7	1
136	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
137	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
138	Quenching of S02 phosphorescence by a magnetic field. Molecular Physics, 1996, 89, 867-878.	1.7	2
139	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
140	External magnetic field acceleration of radiationless processes in the Ãƒ state of gaseous oxalyl fluoride. Molecular Physics, 1995, 84, 911-941.	1.7	25
141	Neotectonics and geodynamics of mountain systems of Central Asia. Quaternary International, 1995, 25, 19-23.	1.5	10
142	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
143	Time-resolved fluorescence of NO 2 in a magnetic field. Chemical Physics Letters, 1993, 215, 662-667.	2.6	14
144	SO2 fluorescence in cooled molecular beams under a magnetic field. The model analysis. Chemical Physics, 1993, 171, 275-284.	1.9	1

#	Article	IF	Citations
145	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
146	Fluorescence of SO2 in a magnetic field in cooled ultrasound molecular beams. Journal of Applied Spectroscopy, 1991, 55, 1250-1255.	0.7	0
147	Magnetic field effect on the S and L components in sulfur dioxide fluorescence. Chemical Physics, 1990, 146, 1-11.	1.9	2
148	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
149	Magnetic-field effect on S and L components of sulfur dioxide fluorescence. Chemical Physics Letters, 1990, 168, 499-504.	2.6	0
150	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
151	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
152	Photolysis of SO2-alkane-NO systems in the gas phase. Reaction Kinetics and Catalysis Letters, 1982, 19, 383-387.	0.6	1
153	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
154	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
155	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
156	Magnetic fluorescence and phosphorescence quenching of gas-phase sulfur dioxide. Reaction Kinetics and Catalysis Letters, 1979, 12, 225-227.	0.6	14
157	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