

Igor Khmelinskii

List of Publications by Year in descending order

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203
papers

3,484
citations

172207

29
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189595

50
g-index

209
all docs

209
docs citations

209
times ranked

3306
citing authors

#	ARTICLE	IF	CITATIONS
1	Physico-mechanical properties of chitosan films with carvacrol and grape seed extract. <i>Journal of Food Engineering</i> , 2013, 115, 466-474.	2.7	279
2	Classification of edible oils using synchronous scanning fluorescence spectroscopy. <i>Food Chemistry</i> , 2005, 89, 217-225.	4.2	162
3	Spectroscopy and Photophysics of Lumiflavins and Lumichromes. <i>Journal of Physical Chemistry A</i> , 2004, 108, 1501-1508.	1.1	126
4	Characterization of Edible Oils Using Total Luminescence Spectroscopy. <i>Journal of Fluorescence</i> , 2004, 14, 25-35.	1.3	118
5	Preparation and characterization of a chitosan film with grape seed extract-carvacrol microcapsules and its effect on the shelf-life of refrigerated Salmon (<i>Salmo salar</i>). <i>LWT - Food Science and Technology</i> , 2018, 89, 525-534.	2.5	105
6	Study of physical and photocatalytic properties of titanium dioxide thin films prepared from complex precursors by chemical vapour deposition. <i>Thin Solid Films</i> , 2006, 503, 29-39.	0.8	84
7	Simultaneous analysis of riboflavin and aromatic amino acids in beer using fluorescence and multivariate calibration methods. <i>Analytica Chimica Acta</i> , 2008, 613, 207-217.	2.6	77
8	Fluorescence spectroscopy in monitoring of extra virgin olive oil during storage. <i>International Journal of Food Science and Technology</i> , 2008, 43, 52-61.	1.3	76
9	Near and mid infrared spectroscopy and multivariate data analysis in studies of oxidation of edible oils. <i>Food Chemistry</i> , 2015, 187, 416-423.	4.2	76
10	Spectroscopy and photophysics of flavin related compounds: Riboflavin and iso-(6,7)-riboflavin. <i>Chemical Physics</i> , 2005, 314, 239-247.	0.9	72
11	Synchronous Fluorescence Spectroscopy of Edible Vegetable Oils. Quantification of Tocopherols. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6988-6994.	2.4	66
12	Preparation of TiO ₂ films by CVD method and its electrical, structural and optical properties. <i>Vacuum</i> , 2002, 64, 275-279.	1.6	62
13	Monitoring beer during storage by fluorescence spectroscopy. <i>Food Chemistry</i> , 2006, 96, 632-639.	4.2	58
14	Color and Luminescence Stability of Selected Dental Materials In Vitro. <i>Journal of Prosthodontics</i> , 2012, 21, 112-122.	1.7	57
15	Photochemistry of the PtCl ₆ ²⁻ complex in methanol solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990, 51, 167-178.	2.0	55
16	Fluorescence Spectroscopy for Characterization and Differentiation of Beers. <i>Journal of the Institute of Brewing</i> , 2004, 110, 267-275.	0.8	51
17	Spectroscopy and Photophysics of Iso- and Alloxazines: Experimental and Theoretical Study. <i>Journal of Fluorescence</i> , 2004, 14, 57-64.	1.3	49
18	Ground- and Excited-State Double Proton Transfer in Lumichrome/Acetic Acid System: Theoretical and Experimental Approach. <i>Journal of Physical Chemistry A</i> , 2005, 109, 11707-11714.	1.1	41

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19	Pulsed laser photolysis of the PtCl ₆ ²⁻ creatinine system in methanol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990, 51, 371-377.	2.0	38
20	Intermediates in the photoreduction of PtCl ₆ ²⁻ in methanol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990, 51, 379-389.	2.0	38
21	Experimental and theoretical study of photoenolization mechanism for 1-methylantraquinone. <i>Journal of the American Chemical Society</i> , 1991, 113, 9615-9620.	6.6	38
22	Primary reactions in the photochemistry of hexahalide complexes of platinum group metals: A minireview. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2015, 24, 1-15.	5.6	37
23	Novel efficient synthesis of 3,4-dihydro-6-substituted-3-phenylpyrimidin-2(1H)-ones. <i>Tetrahedron Letters</i> , 2005, 46, 6757-6760.	0.7	36
24	Mathematical modeling of gallic acid release from chitosan films with grape seed extract and carvacrol. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 197-203.	3.6	36
25	Acid-Base Equilibriums of Lumichrome and its 1-Methyl, 3-Methyl, and 1,3-Dimethyl Derivatives. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7474-7490.	1.1	35
26	Analysis of Olive Oils by Fluorescence Spectroscopy: Methods and Applications. , 0, , .		35
27	Authentication of apple juice categories based on multivariate analysis of the synchronous fluorescence spectra. <i>Food Control</i> , 2018, 86, 42-49.	2.8	34
28	Spectroscopic techniques and chemometrics in analysis of blends of extra virgin with refined and mild deodorized olive oils. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 92-102.	1.0	32
29	Photophysics and photochemistry of azole fungicides: triadimefon and triadimenol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 142, 31-37.	2.0	31
30	TiO ₂ thin film synthesis from complex precursors by CVD, its physical and photocatalytic properties. <i>International Journal of Photoenergy</i> , 2003, 5, 99-105.	1.4	31
31	Electronic structure of isoalloxazines in their ground and excited states. <i>Journal of Molecular Structure</i> , 2004, 697, 137-141.	1.8	31
32	Electronic structure of lumiflavin and its analogues in their ground and excited states. <i>Computational and Theoretical Chemistry</i> , 2004, 676, 155-160.	1.5	30
33	Primary photochemical processes of the PtCl ₆ ²⁻ complex in alcohols. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1991, 59, 153-161.	2.0	29
34	Spectroscopy and photophysics of flavin-related compounds: 5-deaza-riboflavin. <i>Journal of Molecular Structure</i> , 2006, 783, 184-190.	1.8	29
35	Explorative study of apple juice fluorescence in relation to antioxidant properties. <i>Food Chemistry</i> , 2016, 210, 593-599.	4.2	29
36	Spectroscopy and photophysics of alloxazines studied in their ground and first excited singlet states. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 158, 45-53.	2.0	28

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37	Hydrogen-Bonded Complexes of Lumichrome. <i>Journal of Physical Chemistry A</i> , 2005, 109, 1785-1794.	1.1	26
38	Foveolar Müller Cells of the Pied Flycatcher: Morphology and Distribution of Intermediate Filaments Regarding Cell Transparency. <i>Microscopy and Microanalysis</i> , 2016, 22, 379-386.	0.2	26
39	Non-destructive determination of strawberry fruit and juice quality parameters using ultraviolet, visible, and near-infrared spectroscopy. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 5953-5961.	1.7	26
40	Spectroscopy and photophysics of flavin-related compounds: 3-benzyl-lumiflavin. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 463.	1.6	25
41	Mechanistic Investigations into the Photochemistry of 4-Allyl-tetrazolones in Solution: A New Approach to the Synthesis of 3,4-Dihydro-pyrimidinones. <i>Journal of Organic Chemistry</i> , 2006, 71, 3583-3591.	1.7	24
42	Superparamagnetic Properties of Hemozoin. <i>Scientific Reports</i> , 2016, 6, 26212.	1.6	24
43	Spectroscopy and photophysics of dimethyl-substituted alloxazines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 200, 148-160.	2.0	23
44	Photochemistry of 5-allyloxy-tetrazoles: steady-state and laser flash photolysis study. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1046.	1.5	23
45	Spectroscopy and structure of sparteine and 2-methylsparteine dichloride metal complexes. <i>Journal of Molecular Structure</i> , 2004, 707, 89-96.	1.8	22
46	Spectroscopy and photophysics of mono methyl-substituted alloxazines. <i>Chemical Physics</i> , 2004, 301, 95-103.	0.9	22
47	Front-Face Fluorescence Spectroscopy and Chemometrics for Quality Control of Cold-Pressed Rapeseed Oil During Storage. <i>Foods</i> , 2019, 8, 665.	1.9	22
48	Study of $S \rightarrow T$ conversion induced by an external magnetic field in gaseous oxalylfluoride excited to the 00 -level of the state. <i>Chemical Physics</i> , 1999, 242, 37-67.	0.9	21
49	Magnetic and microwave field effects for single rotational levels of the 000 -band of oxalylfluoride in cooled jet conditions. <i>Journal of Chemical Physics</i> , 1999, 111, 5783-5794.	1.2	21
50	Spectral selectivity model for light transmission by the intermediate filaments in Müller cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 282-290.	1.7	21
51	In Search of Excited-State Proton Transfer in the Lumichrome Dimer in the Solid State: A Theoretical and Experimental Approach. <i>Journal of Physical Chemistry A</i> , 2006, 110, 4638-4648.	1.1	20
52	New photochemically stable riboflavin analogue – 3-Methyl-riboflavin tetraacetate. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 186, 14-23.	2.0	20
53	Evaluation of total phenolic content in virgin olive oil using fluorescence excitation-emission spectroscopy coupled with chemometrics. <i>Journal of the Science of Food and Agriculture</i> , 2018, 99, 2513-2520.	1.7	20
54	Spectroscopy and photophysics of 6,7-dimethyl-alloxazine: experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2004, 697, 199-205.	1.8	19

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55	Computational Modeling of In Vitro Swelling of Mitochondria: A Biophysical Approach. <i>Molecules</i> , 2018, 23, 783.	1.7	19
56	Discrimination of Beer Flavours by Analysis of Volatiles Using the Mass Spectrometer as an Electronic Nose. <i>Journal of the Institute of Brewing</i> , 2007, 113, 110-116.	0.8	18
57	Model of polarization selectivity of the intermediate filament optical channels. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2015, 16, 24-33.	1.0	18
58	Optical transparency and electrical conductivity of intermediate filaments in Müller cells and single-wall carbon nanotubes. <i>Chemical Physics</i> , 2019, 519, 6-20.	0.9	18
59	Photophysics of 1-methylalumichrome. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 162, 193-201.	2.0	17
60	Direct Characterization of Hydrogen Peroxide Bleached Thermomechanical Pulp Using Spectroscopic Methods. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10530-10536.	1.1	17
61	Mechanism of photochromic transformations of peri-acyloxy-9,10- and 1,4-anthraquinone derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990, 52, 137-156.	2.0	15
62	Screening of Antioxidant Properties of the Apple Juice Using the Front-Face Synchronous Fluorescence and Chemometrics. <i>Food Analytical Methods</i> , 2017, 10, 1582-1591.	1.3	15
63	Energy propagation along polypeptide α -helix: Experimental data and ab initio zone structure. <i>BioSystems</i> , 2019, 185, 104016.	0.9	15
64	In silico simulation of reversible and irreversible swelling of mitochondria: The role of membrane rigidity. <i>Mitochondrion</i> , 2020, 50, 71-81.	1.6	15
65	Effect of antioxidant and optimal antimicrobial mixtures of carvacrol, grape seed extract and chitosan on different spoilage microorganisms and their application as coatings on different food matrices. <i>International Journal of Food Studies</i> , 2013, 2, .	0.5	15
66	Time-resolved fluorescence of NO ₂ in a magnetic field. <i>Chemical Physics Letters</i> , 1993, 215, 662-667.	1.2	14
67	Photophysics of alloxazines on cellulose. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 715-720.	1.6	14
68	Photoconductivity of the TiO ₂ +Fullerene-C60 bilayers: steady-state and time-resolved measurements. <i>Chemical Physics Letters</i> , 2002, 355, 504-508.	1.2	14
69	Photophysics of lumichrome on cellulose. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 156, 267-271.	2.0	14
70	Spectroscopy and photophysics of flavin-related compounds: 3-ethyl-lumiflavin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 170, 267-272.	2.0	14
71	Spectroscopy and photophysics of flavin-related compounds: Isoalloxazines. <i>Computational and Theoretical Chemistry</i> , 2005, 756, 47-54.	1.5	14
72	Quantum mechanism of light transmission by the intermediate filaments in some specialized optically transparent cells. <i>Neurophotonics</i> , 2016, 4, 011005.	1.7	13

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73	Quantum confinement in metal nanofilms: Optical spectra. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 175, 68-75.	1.1	13
74	Macroscopic excitation energy transport in a structured Co nanolayer. <i>Physical Review B</i> , 2017, 96, .	1.1	13
75	Fluorescence spectroscopy and imaging instruments for food quality evaluation. , 2019, , 491-533.		13
76	Dissipation of triadimefon on the solid/gas interface. <i>Chemosphere</i> , 2001, 45, 875-880.	4.2	12
77	Changes in chromophoric composition of high-yield mechanical pulps due to hydrogen peroxide bleaching under acidic and alkaline conditions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 215, 157-163.	2.0	12
78	On the Effects of Mechanical Stress of Biological Membranes in Modeling of Swelling Dynamics of Biological Systems. <i>Scientific Reports</i> , 2020, 10, 8395.	1.6	12
79	On the conditions needed to verify a nonstationary diffusion model by kinetic analysis of fast fluorescence quenching. <i>Journal of Luminescence</i> , 1996, 69, 217-227.	1.5	11
80	Spectroscopy and photophysics of 9-methylalloxazine. Experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2004, 689, 121-126.	1.8	11
81	Quantum confinement in semiconductor nanofilms: Optical spectra and multiple exciton generation. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2016, 19, 39-47.	1.0	11
82	Quantum mechanism of light energy propagation through an avian retina. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 197, 111543.	1.7	11
83	New unique optical and electric properties of intermediate filaments in Müller cells. <i>Experimental Eye Research</i> , 2019, 184, 296-299.	1.2	11
84	Observation of spin-polarized state transport from a ferromagnetic to a conductive material. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	10
85	Superemission of Cr nanolayers. <i>Materials Research Bulletin</i> , 2016, 80, 88-95.	2.7	10
86	Multivariate curve resolution “ Alternating least squares analysis of the total synchronous fluorescence spectra: An attempt to identify polyphenols contribution to the emission of apple juices. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 164, 94-102.	1.8	10
87	Intermediate filaments in the retinal Müller cells as natural light energy guides. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 200, 111641.	1.7	10
88	Application of multidimensional and conventional fluorescence techniques for classification of beverages originating from various berry fruit. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 015006.	1.1	10
89	Quenching of SO ₂ fluorescence in a magnetic field: experimental and theoretical analysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992, 69, 7-16.	2.0	9
90	Sensitized absorption and emission of monomer and dimer forms of acridine orange adsorbed onto microcrystalline cellulose. <i>Journal of Luminescence</i> , 1994, 60-61, 485-488.	1.5	9

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91	Electronic structure and spectral properties of selected trimethyl-alloxazines: Combined experimental and DFT study. <i>Chemical Physics</i> , 2009, 361, 83-93.	0.9	9
92	Quantum confinement in multi-nanolayer sandwich systems. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 110, 354-363.	1.9	9
93	Electric field modulation of light energy transmission along intermediate filaments isolated from porcine retina. <i>Chemical Physics</i> , 2020, 536, 110833.	0.9	9
94	Deactivation of the lowest triplet state of 4-H-1-benzopyran-4-thione in different solvents. <i>Chemical Physics Letters</i> , 1993, 209, 403-407.	1.2	8
95	Triplet state decay of some thioketones in solution. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 3487.	1.7	8
96	Optically detected EPR effect in the triplet state of the oxalylfluoride molecule excited to the $J=2$ and 4 rotational levels of the 0 vibronic state. <i>Chemical Physics</i> , 2001, 263, 359-377.	0.9	8
97	Spin-polarized state transport from ferromagnetic to conductive material: Signal amplification by ferromagnetic layer. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	8
98	Nonlinear optical effects in a three-nanolayer metal sandwich assembly. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	8
99	Evaluation of Quality Parameters of Apple Juices Using Near-Infrared Spectroscopy and Chemometrics. <i>Journal of Spectroscopy</i> , 2018, 2018, 1-8.	0.6	8
100	Electric field modulation of energy transfer along intermediate filaments isolated from porcine retina. <i>Chemical Physics Letters</i> , 2019, 729, 69-72.	1.2	8
101	Supercritical Fluid Gaseous and Liquid States: A Review of Experimental Results. <i>Entropy</i> , 2020, 22, 437.	1.1	8
102	Intramolecular energy-transfer processes induced by an external electric field. <i>Physical Review A</i> , 2003, 68, .	1.0	7
103	Photochemical reaction dynamics in SO ₂ -acetylene complexes. <i>Journal of Chemical Physics</i> , 2010, 132, 224309.	1.2	7
104	Influence of pH on photophysical properties of (E)-1-(4-chlorobenzyl)-4-(4-hydroxystyryl)pyridinium chloride. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1454-1464.	1.6	7
105	Spin-polarized state quantum filter used to measure spin-polarized state relaxation time and g-factor. <i>Journal of Applied Physics</i> , 2013, 113, 084304.	1.1	7
106	Optical properties of ZnO semiconductor nanolayers. <i>Materials Research Bulletin</i> , 2019, 109, 291-300.	2.7	7
107	S ₁ →T ₁ conversion induced by external magnetic field in gaseous oxalylfluoride excited to the 7151-level of the $\tilde{A}^1\Sigma^+_{g,1}$ state. <i>Journal of Chemical Physics</i> , 2000, 113, 128-135.	1.2	6
108	Electron ionisation and electrospray ionisation mass spectrometric study of a series of isomeric methyl-, dimethyl- and trimethylalloxazines. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 409-416.	0.7	6

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109	The effects of pH and hydrogen bonds on photophysical properties of N-(4-bromobenzyl) substituted hydroxystilbazolium hemicyanine and merocyanine. <i>Dyes and Pigments</i> , 2014, 108, 126-139.	2.0	6
110	Quantum filter of spin polarized states: Metal-dielectric-ferromagnetic/semiconductor device. <i>Materials Research Bulletin</i> , 2014, 50, 514-523.	2.7	6
111	On the Role of the Blood Vessel Endothelial Microvilli in the Blood Flow in Small Capillaries. <i>Journal of Biophysics</i> , 2015, 2015, 1-6.	0.8	6
112	Superemission in vertically-aligned single-wall carbon nanotubes. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2016, 21, 67-81.	1.0	6
113	Electron microscopy study of the central retinal fovea in Pied flycatcher: evidence of a mechanism of light energy transmission through the retina. <i>Heliyon</i> , 2020, 6, e04146.	1.4	6
114	Energy transfer along Müller cell intermediate filaments isolated from porcine retina: I. Excitons produced by ADH1A dimers upon simultaneous hydrolysis of two ATP molecules. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 250, 119361.	2.0	6
115	Reaction coupling in ADH1A alcohol dehydrogenase enzyme by exciplex formation with adenosine diphosphate moderated by low-energy electronic excited states. <i>Physical Review E</i> , 2021, 103, 052405.	0.8	6
116	Energy transfer along Müller cell intermediate filaments isolated from porcine retina: II. Excitons at 2500 Å produced by ADH1A upon hydrolysis of one ATP molecule. <i>Chemical Physics Letters</i> , 2021, 777, 138651.	1.2	6
117	Laser pulse photolysis study of the reaction of the intermediate platinum(III) complex PtCl ₂ and 4-(2-p-dimethylaminophenyl ethynyl)-6,6-dimethyl-3-cyano-5,6-dihydro-2(1H)-pyridone. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992, 63, 7-14.	2.0	5
118	LIF detection of NO ₃ radical after pulsed excitation of NO ₂ vapor at 436.45 nm. <i>Chemical Physics Letters</i> , 1994, 222, 135-140.	1.2	5
119	Synthesis and Spectroscopy of LiClO ₄ Complexes of (±)-Sparteine, 2-Methyl- and 2-Oxosparteine, and 2-Cyano-2-methylsparteine. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2003, 58, 1133-1140.	0.3	5
120	Spectroscopy and photophysics of cyanoalloxazines. Theoretical study. <i>Computational and Theoretical Chemistry</i> , 2005, 722, 51-56.	1.5	5
121	Optical-IR double resonance effect for the rovibronic state of (COF) ₂ . <i>Molecular Physics</i> , 2006, 104, 2497-2506.	0.8	5
122	Spectral and photophysical properties of thermomechanical pulps bleached with the use of acidified and alkaline hydrogen peroxide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 66-72.	2.0	5
123	Photophysical properties of izomeric N-chlorobenzyl substituted (E)-2-(3- or 4-hydroxy-4-stilbazolium chlorides in alcohols. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6981.	1.3	5
124	Anticrossing spectroscopy in multi-nanolayer structures. <i>Journal of Physics and Chemistry of Solids</i> , 2014, 75, 670-679.	1.9	5
125	Photophysics, Excited-State Double-Proton Transfer and Hydrogen-Bonding Properties of 5-Deazaalloxazines. <i>Photochemistry and Photobiology</i> , 2014, 90, 972-988.	1.3	5
126	Macro-scale transport of the excitation energy along a metal nanotrack: exciton-plasmon energy transfer mechanism. <i>Scientific Reports</i> , 2019, 9, 98.	1.6	5

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127	Volt-ampere characteristics of porcine retinal Müller cell intermediate filaments. <i>Chemical Physics</i> , 2020, 528, 110532.	0.9	5
128	Reversible and irreversible mitochondrial swelling in vitro. <i>Biophysical Chemistry</i> , 2021, 278, 106668.	1.5	5
129	Analysis of Temporal Signals of Climate. <i>Natural Science</i> , 2018, 10, 393-403.	0.2	5
130	Laser flash photolysis of PtCl ₂ ·6H ₂ O-l-proline and PtCl ₂ ·6H ₂ O-l-tryptophan methanol solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1991, 62, 15-25.	2.0	4
131	Magnetic field effect of the fluorescence of gaseous NO ₂ excited to the 2B ₂ and 2B ₁ states. <i>Chemical Physics</i> , 1996, 207, 115-136.	0.9	4
132	Quenching of Excited State Pyrene by Halothane in Poly(oxyethylene)-b-Poly(oxypropylene)-b-Poly(oxyethylene) Triblock Copolymers. <i>Journal of Physical Chemistry B</i> , 1999, 103, 10092-10097.	1.2	4
133	State dynamics of (COF) ₂ excited to single rotational levels of different vibronic states of the electronic state. <i>Chemical Physics</i> , 2006, 321, 233-248.	0.9	4
134	Luminescence of selected dental composites in vitro. <i>Dental Materials</i> , 2008, 24, 1329-1335.	1.6	4
135	Influence of water on photophysical properties of N-bromobenzyl- or nitrobenzyl derivatives of substituted 4-hydroxystilbazolium hemicyanines. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1670-1679.	1.6	4
136	Spin polarized state filter based on semiconductor dielectric iron semiconductor multi-nanolayer device. <i>Materials Research Bulletin</i> , 2015, 64, 156-162.	2.7	4
137	New Food Packaging Systems. , 2018, , 63-85.		4
138	EPR hyperthermia of <i>S. cerevisiae</i> using superparamagnetic Fe ₃ O ₄ nanoparticles. <i>Journal of Thermal Biology</i> , 2018, 77, 55-61.	1.1	4
139	Reversible and irreversible mitochondrial swelling: Effects of variable mitochondrial activity. <i>BioSystems</i> , 2021, 210, 104559.	0.9	4
140	Photophysical properties of alloxazine derivatives with extended aromaticity – Potential redox-sensitive fluorescent probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 120985.	2.0	4
141	Photochemistry of bis[3-(hydroxylamino)-3-methyl-2-butanone-oximate-(2 ⁻)-N,N']nickel in CCl ₄ -containing solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1992, 63, 289-301.	2.0	3
142	Optically detected EPR effect in the \tilde{X}^3 triplet state of the oxalylfluoride molecule excited to the 4_{13} , 4_{23} and 4_{31} rotational levels of the 0_{11} vibronic state. <i>Molecular Physics</i> , 2000, 98, 1659-1667.	0.8	3
143	Optical-IR double resonance effect for single rotational lines of the 000 vibrational transition in H ₂ CS. <i>Chemical Physics Letters</i> , 2004, 388, 297-305.	1.2	3
144	Study of the OD EPR phenomena in (COF) ₂ excited to single rotational levels of the 0_{11} vibronic state. <i>Molecular Physics</i> , 2000, 98, 1659-1667.	0.9	3

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145	Sâ€T conversion dynamics in acetylene: OD EPR studies. Chemical Physics Letters, 2005, 402, 352-360.	1.2	3
146	Photolability of potential calcium channel antagonists: Hexahydroquinoline derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 192, 197-203.	2.0	3
147	Fluorescence Methods for Analysis of Beer. , 2009, , 963-976.		3
148	FTIR and UV spectroscopy in real-time monitoring of S. cerevisiae cell culture. Electromagnetic Biology and Medicine, 2011, 30, 181-197.	0.7	3
149	Exchange resonance in MDM nanolayer systems: Experiment and theory. Journal of Chemical Physics, 2013, 138, 074705.	1.2	3
150	Application of Signal Analysis to the Climate. International Scholarly Research Notices, 2014, 2014, 1-9.	0.9	3
151	External control of the Drosophila melanogaster lifespan by combination of 3D oscillating low-frequency electric and magnetic fields. Electromagnetic Biology and Medicine, 2014, 33, 276-281.	0.7	3
152	Spin-anticrossing effects in Coâ€SiO2â€Fe and ZnOâ€SiO2â€CuO three-nanolayer devices. Materials Research Bulletin, 2015, 72, 50-59.	2.7	3
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