

Oleksiy D Kachkovsky

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36
papers

340
citations

10
h-index

17
g-index

36
ext. papers

405
ext. citations

2.9
avg, IF

3.02
L-index

#	Paper	IF	Citations
36	Fluorene-based metal-ion sensing probe with high sensitivity to Zn ²⁺ and efficient two-photon absorption. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 9313-21	3.4	47
35	New unsymmetrical squaraine dyes derived from imidazo[1,5-a]pyridine. <i>Dyes and Pigments</i> , 2013 , 96, 554-562	4.6	39
34	A sensing mechanism for the detection of carbon nanotubes using selective photoluminescent probes based on ionic complexes with organic dyes. <i>Light: Science and Applications</i> , 2016 , 5, e16028	16.7	37
33	Polymethine-Substituted Boron Dipyrromethenes [BODIPY-Based NIR Cyanine-Like Dyes. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 1825-1834	3.2	29
32	One- and two-photon photochromism of 3,4-bis-(2,4,5-trimethyl-thiophen-3-yl)furan-2,5-dione. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 184, 177-183	4.7	25
31	Solvent effect on the steady-state fluorescence anisotropy of two-photon absorbing fluorene derivatives. <i>Journal of Luminescence</i> , 2007 , 126, 14-20	3.8	23
30	Spectral and non-linear optical properties of cyanine bases derivatives of benzo[c,d]indole. <i>Dyes and Pigments</i> , 2007 , 74, 195-201	4.6	14
29	Unsymmetrical Relaxation Paths of the Excited States in Cyanine Dyes Detected by Time-Resolved Fluorescence: Polymethinic and Polyenic Forms. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 8236-8246	2.8	11
28	Estimation of biological affinity of nitrogen-containing conjugated heterocyclic pharmacophores. <i>Chemistry of Heterocyclic Compounds</i> , 2019 , 55, 448-454	1.4	10
27	Excited-state absorption and anisotropy properties of two-photon absorbing fluorene derivatives. <i>Applied Optics</i> , 2005 , 44, 7232-8	1.7	10
26	Topological Index of Conjugated Heterocyclic Compounds as Their Donor/Acceptor Parameter. <i>Polycyclic Aromatic Compounds</i> , 2020 , 40, 1196-1209	1.3	9
25	Emergence of Additional Visible-Range Photoluminescence Due to Aggregation of Cyanine Dye: Astraphloxin on Carbon Nanotubes Dispersed with Anionic Surfactant. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20378-20386	3.8	8
24	Solitonic waves in polyene dications and principles of charge carrier localization in conjugated organic materials. <i>International Journal of Quantum Chemistry</i> , 2012 , 112, 2659-2667	2.1	8
23	The Investigation of Relaxation Paths in Dioxaborine Anionic Polymethine Dyes Detected by Low-Temperature Time-Resolved Fluorescence. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 535, 123-131	0.5	8
22	Anionic, cationic and merocyanine polymethine dyes based on dipyrromethene core. <i>Dyes and Pigments</i> , 2013 , 98, 113-118	4.6	7
21	Dependence of the anticancer activity of 1,3-oxazole derivatives on the donor/acceptor nature of his substituents. <i>Journal of Heterocyclic Chemistry</i> , 2019 , 56, 3122-3134	1.9	6
20	Electronic properties of polymethine systems. 11. Absorption spectra and nature of electron transitions in cationic oxystyryl and their neutral derivatives. <i>Dyes and Pigments</i> , 2006 , 71, 1-9	4.6	6

19	Estimation of the basicity of the donor strength of terminal groups in cationic polymethine dyes. <i>Journal of Molecular Structure</i> , 2018 , 1154, 606-618	3.4	5
18	Self-Assembly for Two Types of J-Aggregates: cis-Isomers of Dye on the Carbon Nanotube Surface and Free Aggregates of Dye trans-Isomers. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 19903-19911	3.8	5
17	Shape and location of multiple charge carriers in linear π -electron systems. <i>International Journal of Quantum Chemistry</i> , 2014 , 114, 416-428	2.1	5
16	Quantum-Chemical and Experimental Estimation of Non-Bonding Level (Fermi Level) and π -Electron Affinity of Conjugated Systems. <i>Polycyclic Aromatic Compounds</i> , 2020 , 1-10	1.3	4
15	Studies of 2-azaazulenium derivatives π : The nature of electron transitions and spectral properties of styryl dyes containing terminal groups of different types. <i>Journal of Molecular Structure</i> , 2013 , 1033, 215-226	3.4	4
14	Stability of fullerene complexes with oxazoles as biologically active compounds. <i>Applied Nanoscience (Switzerland)</i> , 2020 , 10, 1345-1353	3.3	3
13	2018 ,		3
12	Aggregation of derivatives of benz[C, D]indole dyes: Effect of the side group and ambient temperatures 2014 ,		2
11	Impact of Merocyanine Dye Concentration in Ultrathin Polymer Films on Nonlinear Optical Response Due to the Aggregation Effect. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 535, 132-139	0.5	2
10	In silico binding affinity studies of phenyl-substituted 1,3-oxazoles with protein molecules. <i>Ukrainica Bioorganica Acta</i> , 2020 , 15, 12-19	0.3	2
9	Synthesis, in silico and in vitro Evaluation of Novel Oxazolopyrimidines as Promising Anticancer Agents. <i>Helvetica Chimica Acta</i> , 2020 , 103, e2000169	2	2
8	Synthesis, Electronic Structure and Anti-Cancer Activity of the Phenyl Substituted Pyrazolo[1,5-a][1,3,5]triazines. <i>Current Organic Chemistry</i> , 2021 , 25, 1441-1454	1.7	2
7	Solitonic-like excitations in cations of linear conjugated systems. <i>Monatshefte Für Chemie</i> , 2020 , 151, 559-566	1.4	1
6	Low-temperature fluorescence of oxystyryls. <i>Dyes and Pigments</i> , 2007 , 74, 47-53	4.6	1
5	Electronic properties of polymethine systems. 12. Solitonic nature of charge distribution in the excited state. <i>Dyes and Pigments</i> , 2006 , 71, 19-27	4.6	1
4	In silico study of binding affinity of nitrogenous bicyclic heterocycles: fragment-to-fragment approach. <i>Ukrainica Bioorganica Acta</i> , 2020 , 15, 49-59	0.3	1
3	Near Infrared Polyene Radical-Cation Derived from 7,8-Dihydrobenzo[c,d]Furo[2,3-f]Indole: Synthesis, Spectra and Nature of Electron Transitions. <i>ChemistrySelect</i> , 2020 , 5, 674-681	1.8	0
2	In silico study the interaction of heterocyclic bases with peptide moieties of proteins in the "fragment-to-fragment" approach. <i>Ukrainica Bioorganica Acta</i> , 2021 , 16, 34-43	0.3	0

- 1 Study of excited state relaxation by time-resolved spectroscopy in conjugated substituted polyene bis-oxazoles. *Structural Chemistry*, **2021**, 32, 977-987 1.8