

# Vitali I Stsiapura

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

1,366  
citations

11  
h-index

28  
g-index

28  
ext. papers

1,476  
ext. citations

3.4  
avg, IF

3.81  
L-index

#	Paper	IF	Citations
25	Solvent effect on excited state potential energy surfaces of Thioflavin T. Qualitatively different results by TDDFT and SA-2-CASSCF methods. <i>Journal of Computational Chemistry</i> , <b>2020</b> , 41, 1874-1884	3.5	2
24	Riboflavin-photosensitized thiamine oxidation in aqueous solutions on exposure to ultraviolet and visible light. <i>Vestsi Natsyianalunai Akademii Navuk Belarusi Seryia Biialahichnykh Navuk</i> , <b>2020</b> , 65, 199-211 <sup>0.2</sup>		
23	Reversible Photoinduced Luminescence Modulation from Nanospheres Containing CdSe/ZnS Quantum Dots and Photochromic Diarylethene. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 27064-27070 <sup>3.8</sup>	3.8	5
22	Effect of Substituents on TICT Rate in Thioflavin T-Based Fluorescent Molecular Rotors. <i>International Journal of Nanoscience</i> , <b>2019</b> , 18, 1940046	0.6	1
21	Photoinduced Reversible Modulation of Fluorescence of CdSe/ZnS Quantum Dots in Solutions with Diarylethenes. <i>Journal of Fluorescence</i> , <b>2019</b> , 29, 1311-1320	2.4	9
20	Photochromic systems with photoinduced emission modulation of colloidal CdSe quantum wells. <i>Photochemical and Photobiological Sciences</i> , <b>2019</b> , 18, 2661-2665	4.2	5
19	Neutral derivatives of Thioflavin T do not exhibit viscosity-dependent fluorescence. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 358, 76-91	4.7	5
18	S-Nitrosoglutathione formation at gastric pH is augmented by ascorbic acid and by the antioxidant vitamin complex, Resiston. <i>Pharmaceutical Biology</i> , <b>2018</b> , 56, 86-93	3.8	6
17	Effect of Viscosity and Polar Properties of Solvent on Dynamics of Photoinduced Charge Transfer in BTA-1 Cation Derivative of Thioflavin T. <i>Journal of Applied Spectroscopy</i> , <b>2018</b> , 85, 239-245	0.7	2
16	Fluorescence Quenching of Dyes by Graphene Oxide. <i>Journal of Applied Spectroscopy</i> , <b>2018</b> , 85, 605-610 <sup>0.7</sup>	0.7	8
15	Solvent Polarity Effect on Nonradiative Decay Rate of Thioflavin T. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 5481-96	2.8	33
14	Detection of S-nitroso compounds by use of midinfrared cavity ring-down spectroscopy. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 3345-53	7.8	3
13	Phenotype of asthmatics with increased airway S-nitrosoglutathione reductase activity. <i>European Respiratory Journal</i> , <b>2015</b> , 45, 87-97	13.6	20
12	Oxidation of thiamine on reaction with nitrogen dioxide generated by ferric myoglobin and hemoglobin in the presence of nitrite and hydrogen peroxide. <i>Biochemistry (Moscow)</i> , <b>2012</b> , 77, 41-55	2.9	6
11	Fluorescent properties of thiochrome in solvents of different polarity. <i>Journal of Applied Spectroscopy</i> , <b>2011</b> , 78, 337-343	0.7	5
10	Charge transfer process determines ultrafast excited state deactivation of thioflavin T in low-viscosity solvents. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 8345-50	2.8	89
9	Analysis of fluorescence decay kinetics of thioflavin t by a maximum entropy method. <i>Journal of Applied Spectroscopy</i> , <b>2010</b> , 77, 194-201	0.7	4

8	Thioflavin T as a molecular rotor: fluorescent properties of thioflavin T in solvents with different viscosity. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 15893-902	3.4	256
7	Computational study of thioflavin T torsional relaxation in the excited state. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 4829-35	2.8	173
6	Spectral properties of thioflavin T in solvents with different dielectric properties and in a fibril-incorporated form. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 1392-401	5.6	166
5	DNA-assisted formation of quasi-nanowires from fluorescent CdSe/ZnS nanocrystals. <i>Nanotechnology</i> , <b>2006</b> , 17, 581-587	3.4	52
4	Fluorescence and Electronic Structure of the Laser Dye DCM in Solutions and in Polymethylmethacrylate. <i>Journal of Applied Spectroscopy</i> , <b>2004</b> , 71, 194-201	0.7	56
3	Functionalized nanocrystal-tagged fluorescent polymer beads: synthesis, physicochemical characterization, and immunolabeling application. <i>Analytical Biochemistry</i> , <b>2004</b> , 334, 257-65	3.1	72
2	Energy Transfer in Aqueous Solutions of Oppositely Charged CdSe/ZnS Core/Shell Quantum Dots and in Quantum Dot-Nanogold Assemblies. <i>Nano Letters</i> , <b>2004</b> , 4, 451-457	11.5	211
1	Spectral Properties of Thioflavin T and Its Complexes with Amyloid Fibrils. <i>Journal of Applied Spectroscopy</i> , <b>2003</b> , 70, 868-874	0.7	177