Vitali I Stsiapura

List of Publications by Citations

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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	Thioflavin T as a molecular rotor: fluorescent properties of thioflavin T in solvents with different viscosity. *Journal of Physical Chemistry B*, **2008**, 112, 15893-902	3.4	256
24	Energy Transfer in Aqueous Solutions of Oppositely Charged CdSe/ZnS Core/Shell Quantum Dots and in Quantum Dot Nanogold Assemblies. *Nano Letters*, **2004**, 4, 451-457	11.5	211
23	Spectral Properties of Thioflavin T and Its Complexes with Amyloid Fibrils. *Journal of Applied Spectroscopy*, **2003**, 70, 868-874	0.7	177
22	Computational study of thioflavin T torsional relaxation in the excited state. *Journal of Physical Chemistry A*, **2007**, 111, 4829-35	2.8	173
21	Spectral properties of thioflavin T in solvents with different dielectric properties and in a fibril-incorporated form. *Journal of Proteome Research*, **2007**, 6, 1392-401	5.6	166
20	Charge transfer process determines ultrafast excited state deactivation of thioflavin T in low-viscosity solvents. *Journal of Physical Chemistry A*, **2010**, 114, 8345-50	2.8	89
19	Functionalized nanocrystal-tagged fluorescent polymer beads: synthesis, physicochemical characterization, and immunolabeling application. *Analytical Biochemistry*, **2004**, 334, 257-65	3.1	72
18	Fluorescence and Electronic Structure of the Laser Dye DCM in Solutions and in Polymethylmethacrylate. *Journal of Applied Spectroscopy*, **2004**, 71, 194-201	0.7	56
17	DNA-assisted formation of quasi-nanowires from fluorescent CdSe/ZnS nanocrystals. *Nanotechnology*, **2006**, 17, 581-587	3.4	52
16	Solvent Polarity Effect on Nonradiative Decay Rate of Thioflavin T. *Journal of Physical Chemistry A*, **2016**, 120, 5481-96	2.8	33
15	Phenotype of asthmatics with increased airway S-nitrosoglutathione reductase activity. *European Respiratory Journal*, **2015**, 45, 87-97	13.6	20
14	Photoinduced Reversible Modulation of Fluorescence of CdSe/ZnS Quantum Dots in Solutions with Diarylethenes. *Journal of Fluorescence*, **2019**, 29, 1311-1320	2.4	9
13	Fluorescence Quenching of Dyes by Graphene Oxide. *Journal of Applied Spectroscopy*, **2018**, 85, 605-610	0.7	8
12	S-Nitrosoglutathione formation at gastric pH is augmented by ascorbic acid and by the antioxidant vitamin complex, Resiston. *Pharmaceutical Biology*, **2018**, 56, 86-93	3.8	6
11	Oxidation of thiamine on reaction with nitrogen dioxide generated by ferric myoglobin and hemoglobin in the presence of nitrite and hydrogen peroxide. *Biochemistry (Moscow)*, **2012**, 77, 41-55	2.9	6
10	Neutral derivatives of Thioflavin T do not exhibit viscosity-dependent fluorescence. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 358, 76-91	4.7	5
9	Fluorescent properties of thiochrome in solvents of different polarity. *Journal of Applied Spectroscopy*, **2011**, 78, 337-343	0.7	5

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8	Reversible Photoinduced Luminescence Modulation from Nanospheres Containing CdSe/ZnS Quantum Dots and Photochromic Diarylethene. *Journal of Physical Chemistry C*, **2020**, 124, 27064-27070	3.8	5
7	Photochromic systems with photoinduced emission modulation of colloidal CdSe quantum wells. *Photochemical and Photobiological Sciences*, **2019**, 18, 2661-2665	4.2	5
6	Analysis of fluorescence decay kinetics of thioflavin t by a maximum entropy method. *Journal of Applied Spectroscopy*, **2010**, 77, 194-201	0.7	4
5	Detection of S-nitroso compounds by use of midinfrared cavity ring-down spectroscopy. *Analytical Chemistry*, **2015**, 87, 3345-53	7.8	3
4	Solvent effect on excited state potential energy surfaces of Thioflavin T. Qualitatively different results by TDDFT and SA-2-CASSCF methods. *Journal of Computational Chemistry*, **2020**, 41, 1874-1884	3.5	2
3	Effect of Viscosity and Polar Properties of Solvent on Dynamics of Photoinduced Charge Transfer in BTA-1 Cation Derivative of Thioflavin T. *Journal of Applied Spectroscopy*, **2018**, 85, 239-245	0.7	2
2	Effect of Substituents on TICT Rate in Thioflavin T-Based Fluorescent Molecular Rotors. *International Journal of Nanoscience*, **2019**, 18, 1940046	0.6	1
1	Riboflavin-photosensitized thiamine oxidation in aqueous solutions on exposure to ultraviolet and visible light. *Vestsi Natsyianalʹnai Akademii Navuk Belarusi Seryia Biialahichnykh Navuk*, **2020**, 65, 199-211	0.2	