

# Anatoliy L Tatarets

## List of Publications by Year in descending order

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37  
papers

701  
citations

567281

15  
h-index

552781

26  
g-index

37  
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37  
docs citations

37  
times ranked

761  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic study of squaraines as protein-sensitive fluorescent dyes. <i>Dyes and Pigments</i> , 2007, 72, 285-292.	3.7	77
2	Synthesis of water-soluble, ring-substituted squaraine dyes and their evaluation as fluorescent probes and labels. <i>Analytica Chimica Acta</i> , 2006, 570, 214-223.	5.4	72
3	Bright fluorogenic squaraines with tuned cell entry for selective imaging of plasma membrane vs. endoplasmic reticulum. <i>Chemical Communications</i> , 2015, 51, 17136-17139.	4.1	72
4	Synthesis of novel squaraine dyes and their intermediates. <i>Dyes and Pigments</i> , 2005, 64, 125-134.	3.7	70
5	<i>Fluorescent Probes and Labels for Biomedical Applications</i> . <i>Annals of the New York Academy of Sciences</i> , 2008, 1130, 179-187.	3.8	39
6	Near-infrared, dual-ratiometric fluorescent label for measurement of pH. <i>Analytical Biochemistry</i> , 2009, 390, 136-140.	2.4	32
7	Spectral-luminescent study of interaction of squaraine dyes with biological substances. <i>Journal of Molecular Structure</i> , 2006, 788, 36-42.	3.6	29
8	Long-wavelength fluorescence lifetime labels. <i>Bioanalytical Reviews</i> , 2011, 3, 115-137.	0.2	26
9	Long-Wavelength Probes and Labels Based on Cyanines and Squaraines. <i>Springer Series on Fluorescence</i> , 2010, , 65-104.	0.8	25
10	A New Fluorescent Squaraine Probe for the Measurement of Membrane Polarity. <i>Journal of Fluorescence</i> , 2006, 16, 47-52.	2.5	22
11	First-principles studies of substituent effects on squaraine dyes. <i>RSC Advances</i> , 2021, 11, 19029-19040.	3.6	21
12	Influence of Hydrophobicity on Excitonic Coupling in DNA-Templated Indolenine Squaraine Dye Aggregates. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3475-3488.	3.1	19
13	Seta-633 - A NIR Fluorescence Lifetime Label for Low-Molecular-Weight Analytes. <i>Bioconjugate Chemistry</i> , 2009, 20, 1807-1812.	3.6	17
14	Vilsmeier-Haack reagent: An efficient reagent for the transformation of substituted 1,3-naphthoxazines into xanthene-type dyes. <i>Tetrahedron</i> , 2019, 75, 2832-2842.	1.9	17
15	Molecular structure and spectral properties of indolenine based norsquaraines versus squaraines. <i>Dyes and Pigments</i> , 2019, 163, 318-329.	3.7	16
16	Water-soluble norsquaraine dyes for protein labeling and pH-sensing applications. <i>Dyes and Pigments</i> , 2019, 170, 107567.	3.7	15
17	Novel xanthene push-pull chromophores and luminophores: Synthesis and study of their spectral properties. <i>Tetrahedron</i> , 2017, 73, 7159-7168.	1.9	14
18	Assessment of alginate hydrogel degradation in biological tissue using viscosity-sensitive fluorescent dyes. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 044002.	2.3	12

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19	Oblique Packing and Tunable Excitonic Coupling in DNA-Templated Squaraine Rotaxane Dimer Aggregates. <i>ChemPhotoChem</i> , 2022, 6, .	3.0	12
20	Conjugates, Complexes, and Interlocked Systems Based on Squaraines and Cyanines. <i>Springer Series on Fluorescence</i> , 2010, , 159-190.	0.8	11
21	Synthesis and spectral properties of new xanthene chromophores. <i>Journal of Molecular Structure</i> , 2019, 1176, 567-575.	3.6	11
22	Unexpected effect of iodine atoms in heptamethine cyanine dyes on the photodynamic eradication of Gram-positive and Gram-negative pathogens. <i>Dyes and Pigments</i> , 2021, 195, 109745.	3.7	11
23	4-(Dimethylamino)pyridinium 2-butoxy-3-dicyanomethylene-4-oxocyclobut-1-en-1-olate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o2252-o2254.	0.2	10
24	Influence of molecular structure of squaraine dyes on their aggregation in aqueous solutions. <i>Journal of Applied Spectroscopy</i> , 2009, 76, 464-469.	0.7	10
25	Influence of the amidine fragment on spectral properties of xanthene dyes. <i>Journal of Molecular Structure</i> , 2021, 1224, 129191.	3.6	9
26	Examining Protein-Lipid Interactions in Model Systems with a New Squarylium Fluorescent Dye. <i>Journal of Fluorescence</i> , 2006, 16, 547-554.	2.5	7
27	Tracing Lysozyme-Lipid Interactions with Long-Wavelength Squaraine Dyes. <i>Journal of Fluorescence</i> , 2006, 17, 65-72.	2.5	7
28	Förster Resonance Energy Transfer Evidence for Lysozyme Oligomerization in Lipid Environment. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16773-16782.	2.6	6
29	Tracing the conformational changes in BSA using FRET with environmentally-sensitive squaraine probes. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 024007.	2.3	6
30	Molecular and crystal structure of 3-butoxy-4-(1,3,3-trimethyl-2,3-dihydro-1H-2-indolylidenemethyl)-3-cyclobutene-1,2-dione and its thio analog. <i>Journal of Structural Chemistry</i> , 2005, 46, 154-158.	1.0	5
31	Novel dimeric dyes based on the acridine orange chromophore: Synthesis, characterization and application in real-time PCR. <i>Dyes and Pigments</i> , 2022, 200, 110148.	3.7	1
32	Antioxidant capacity and sustainability of <i>Saccharomyces cerevisiae</i> cells exposed to ozone. <i>Biopolymers and Cell</i> , 2014, 30, 299-304.	0.4	0
33	Study of Interaction of Glycerol Cryoprotectant and Its Derivatives with Dimethylacetamide in Aqueous Solution Using Fluorescent Probes. <i>Problems of Cryobiology and Cryomedicine</i> , 2021, 31, 139-150.	0.3	0
34	Analysis of alginate implants degradation rate in rat myocardium. <i>Problems of Cryobiology and Cryomedicine</i> , 2014, 24, 173-173.	0.3	0
35	Study of probability of microscopic pore formation in post-thaw sperm membranes. <i>Problems of Cryobiology and Cryomedicine</i> , 2015, 25, 168-168.	0.3	0
36	Crystal structures and Hirshfeld analysis of 4,6-dibromoindolenine and its quaternized salt. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 1203-1207.	0.5	0

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37	Novel intramolecular recyclization by cleavage and formation of C–S bonds under strongly basic conditions. <i>Journal of Sulfur Chemistry</i> , 2022, 43, 473-481.	2.0	0