

# Leonid D Patsenker

## List of Publications by Year in descending order

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62  
papers

1,245  
citations

430874

18  
h-index

414414

32  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1336  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel, dual action chimera comprising DNA methylating agent and near-IR xanthene-cyanine photosensitizer for combined anticancer therapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 37, 102722.	2.6	1
2	Antibody guided activatable NIR photosensitizing system for fluorescently monitored photodynamic therapy with reduced side effects. <i>Journal of Controlled Release</i> , 2022, 343, 506-517.	9.9	5
3	Stability of Rhodamine Lactone Cycle in Solutions: Chainâ€“Ring Tautomerism, Acidâ€“Base Equilibria, Interaction with Lewis Acids, and Fluorescence. <i>Colorants</i> , 2022, 1, 58-90.	1.5	3
4	Iodinated xanthene-cyanine NIR dyes as potential photosensitizers for antimicrobial photodynamic therapy. <i>Dyes and Pigments</i> , 2021, 184, 108854.	3.7	26
5	Dual-dye systems comprising activatable fluorescein dye and hydrophobic or hydrophilic Cy5 reference fluorophore for ratiometric drug delivery monitoring. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 408, 113113.	3.9	6
6	Ratiometric Fluorescence Monitoring of Antibody-Guided Drug Delivery to Cancer Cells. <i>Bioconjugate Chemistry</i> , 2021, 32, 1641-1651.	3.6	9
7	Quantification of Drug Release Degree <i>in Vivo</i> Using Antibody-Guided, Dual-NIR-Dye Ratiometric System. <i>Analytical Chemistry</i> , 2021, 93, 8265-8272.	6.5	9
8	Discovery of Dolastatinol: A Synthetic Analog of Dolastatin 10 and Low Nanomolar Inhibitor of Tubulin Polymerization. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1596-1604.	2.8	3
9	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
10	Targeted methylation facilitates DNA double strand breaks and enhances cancer suppression: A DNA intercalating/methylating dual-action chimera Amonafidazene. <i>European Journal of Medicinal Chemistry</i> , 2021, 225, 113811.	5.5	8
11	Water-soluble 4-hydroxystyryl and 4-hydroxyphenyl-butadienyls dyes with switchable fluorescence. <i>Dyes and Pigments</i> , 2020, 172, 107801.	3.7	6
12	Fluorescent Reporters for Drug Delivery Monitoring. <i>Israel Journal of Chemistry</i> , 2020, 60, 504-518.	2.3	17
13	Photodynamic effect of novel hexa-iodinated quinono-cyanine dye on <i>Staphylococcus aureus</i> . <i>Photodiagnosis and Photodynamic Therapy</i> , 2020, 31, 101866.	2.6	6
14	Peptideâ€“Driven Targeted Drugâ€“Delivery System Comprising Turnâ€“On Nearâ€“Infrared Fluorescent Xantheneâ€“Cyanine Reporter for Realâ€“Time Monitoring of Drug Release. <i>ChemMedChem</i> , 2019, 14, 1727-1734.	3.2	17
15	Drug delivery platform comprising long-wavelength fluorogenic phenolo-cyanine dye for real-time monitoring of drug release. <i>Dyes and Pigments</i> , 2019, 171, 107703.	3.7	11
16	Water-soluble norsquaraine dyes for protein labeling and pH-sensing applications. <i>Dyes and Pigments</i> , 2019, 170, 107567.	3.7	15
17	Theranostic system for ratiometric fluorescence monitoring of peptide-guided targeted drug delivery. <i>RSC Advances</i> , 2019, 9, 32656-32664.	3.6	10
18	Molecular structure and spectral properties of indolenine based norsquaraines versus squaraines. <i>Dyes and Pigments</i> , 2019, 163, 318-329.	3.7	16

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19	Bifunctional reactive pentamethine cyanine dyes for biomedical applications. <i>Dyes and Pigments</i> , 2019, 162, 18-25.	3.7	8
20	Synthesis and Biological Studies of New Multifunctional Curcumin Platforms for Anticancer Drug Delivery. <i>Medicinal Chemistry</i> , 2019, 15, 537-549.	1.5	0
21	Switchable phenolo-cyanine reporters containing reactive alkylcarboxylic groups for fluorescence-based targeted drug delivery monitoring. <i>Dyes and Pigments</i> , 2018, 159, 18-27.	3.7	5
22	Fluorescence research in Ukraine. <i>Methods and Applications in Fluorescence</i> , 2017, 5, 010201.	2.3	0
23	Exploiting fluorescein based drug conjugates for fluorescent monitoring in drug delivery. <i>Dyes and Pigments</i> , 2017, 139, 460-472.	3.7	27
24	Absorption, fluorescence, and acid-base equilibria of rhodamines in micellar media of sodium dodecyl sulfate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 138-144.	3.9	18
25	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
26	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
27	New Sm(III) complexes as electronic-excitation donors of the Seta-632 squaraine dye. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2015, 119, 59-65.	0.6	2
28	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
29	Water soluble indodicarbocyanine dyes based on 2,3-dimethyl-3-(4-sulfobutyl)-3H-indole-5-sulfonic acid. <i>Dyes and Pigments</i> , 2013, 96, 535-546.	3.7	16
30	Comparison of a series of hydrophilic squaraine and cyanine dyes as biological labels. <i>Dyes and Pigments</i> , 2013, 99, 561-570.	3.7	43
31	J- vs. H-type assembly: pentamethine cyanine (Cy5) as a near-IR chiroptical reporter. <i>Chemical Communications</i> , 2013, 49, 5298.	4.1	68
32	Synthesis and properties of squaraine-modified DNA. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8944.	2.8	28
33	The synthesis, structure and spectral properties of new long-wavelength benzodipyrroleninium-based bis-styryl dyes. <i>Dyes and Pigments</i> , 2011, 90, 201-210.	3.7	6
34	Long-wavelength fluorescence lifetime labels. <i>Bioanalytical Reviews</i> , 2011, 3, 115-137.	0.2	26
35	Benzodipyrrolenine-based biscyanine dyes: Synthesis, molecular structure and spectroscopic characterization. <i>Dyes and Pigments</i> , 2010, 85, 7-15.	3.7	13
36	Single Molecule Immunoassay on Plasmonic Platforms. <i>Current Pharmaceutical Biotechnology</i> , 2010, 11, 96-102.	1.6	14

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37	Long-Wavelength Probes and Labels Based on Cyanines and Squaraines. Springer Series on Fluorescence, 2010, , 65-104.	0.8	25
38	Conjugates, Complexes, and Interlocked Systems Based on Squaraines and Cyanines. Springer Series on Fluorescence, 2010, , 159-190.	0.8	11
39	Förster Resonance Energy Transfer Evidence for Lysozyme Oligomerization in Lipid Environment. Journal of Physical Chemistry B, 2010, 114, 16773-16782.	2.6	6
40	Influence of molecular structure of squaraine dyes on their aggregation in aqueous solutions. Journal of Applied Spectroscopy, 2009, 76, 464-469.	0.7	10
41	Near-infrared squaraine dyes for fluorescence enhanced surface assay. Dyes and Pigments, 2009, 80, 41-46.	3.7	20
42	Near-infrared, dual-ratiometric fluorescent label for measurement of pH. Analytical Biochemistry, 2009, 390, 136-140.	2.4	32
43	Seta-633 - A NIR Fluorescence Lifetime Label for Low-Molecular-Weight Analytes. Bioconjugate Chemistry, 2009, 20, 1807-1812.	3.6	17
44	Fluorescent Probes and Labels for Biomedical Applications. Annals of the New York Academy of Sciences, 2008, 1130, 179-187.	3.8	39
45	Single Molecule Studies of Multiple-Fluorophore Labeled Antibodies. Effect of Homo-FRET on the Number of Photons Available Before Photobleaching. Current Pharmaceutical Biotechnology, 2008, 9, 411-420.	1.6	55
46	Spectroscopic study of squaraines as protein-sensitive fluorescent dyes. Dyes and Pigments, 2007, 72, 285-292.	3.7	77
47	Synthesis of water-soluble, ring-substituted squaraine dyes and their evaluation as fluorescent probes and labels. Analytica Chimica Acta, 2006, 570, 214-223.	5.4	72
48	Spectral-luminescent study of interaction of squaraine dyes with biological substances. Journal of Molecular Structure, 2006, 788, 36-42.	3.6	29
49	Growth of KH <sub>2</sub> PO <sub>4</sub> crystals activated by organic phosphors. Crystallography Reports, 2006, 51, 150-156.	0.6	7
50	A New Fluorescent Squaraine Probe for the Measurement of Membrane Polarity. Journal of Fluorescence, 2006, 16, 47-52.	2.5	22
51	Examining Protein-Lipid Interactions in Model Systems with a New Squarylium Fluorescent Dye. Journal of Fluorescence, 2006, 16, 547-554.	2.5	7
52	Tracing Lysozyme-Lipid Interactions with Long-Wavelength Squaraine Dyes. Journal of Fluorescence, 2006, 17, 65-72.	2.5	7
53	Luminescent spectral properties of rhodamine derivatives while binding to serum albumin. Journal of Applied Spectroscopy, 2006, 73, 432-436.	0.7	13
54	Synthesis of novel squaraine dyes and their intermediates. Dyes and Pigments, 2005, 64, 125-134.	3.7	70

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55	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
56	Behavior of Dimethylaminonaphthalenes in the Vilsmeier-Haak Reaction. <i>Russian Journal of Organic Chemistry</i> , 2005, 41, 1100-1101.	0.8	8
57	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
58	Molecular structure and spectral properties of thionaphthalimides. <i>Journal of Molecular Structure</i> , 2003, 655, 311-320.	3.6	19
59	Formation and Destruction of Diazine Ring under Conditions of the Vilsmeier-Haack Formylation of 4-Dialkylaminonaphthalic Acid Derivatives. <i>Tetrahedron</i> , 2000, 56, 7319-7323.	1.9	11
60	Synthesis, Spectral Properties, and Detection Limits of Reactive Squaraine Dyes, a New Class of Diode Laser Compatible Fluorescent Protein Labels. <i>Bioconjugate Chemistry</i> , 1999, 10, 925-931.	3.6	114
61	Chiral $\alpha$ -hydroxycarbonyl compounds based on (?)-menthone: structure and behavior in liquid crystalline systems. <i>Russian Chemical Bulletin</i> , 1995, 44, 1200-1209.	1.5	3
62	Structure of sterically hindered aryl derivatives of five-membered nitrogen containing heterocyclicortho-analogs of POPOP. <i>Molecular Engineering</i> , 1994, 3, 353-363.	0.2	13