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List of Publications by Year
in descending order

105 papers	4,321 citations	136740 32 h-index	114278 63 g-index
111 all docs	111 docs citations	111 times ranked	4733 citing authors

#	Article	IF	Citations
1	Tumorâ€Associated Immuneâ€Cellâ€Mediated Tumorâ€Targeting Mechanism with NIRâ€II Fluorescence Imaging. Advanced Materials, 2022, 34, e2106500.	11.1	36
2	Fast and Durable Intraoperative Nearâ€infrared Imaging of Ovarian Cancer Using Ultrabright Squaraine Fluorophores. Angewandte Chemie - International Edition, 2022, 61, .	7.2	10
3	Fast and Durable Intraoperative Nearâ€infrared Imaging of Ovarian Cancer Using Ultrabright Squaraine Fluorophores. Angewandte Chemie, 2022, 134, .	1.6	3
4	Synthesis and Applications of Nitrogen-Containing Heterocycles as Antiviral Agents. Molecules, 2022, 27, 2700.	1.7	21
5	Topical pH Sensing NIR Fluorophores for Intraoperative Imaging and Surgery of Disseminated Ovarian Cancer. Advanced Science, 2022, 9, e2201416.	5.6	11
6	Cyanine Dyes Containing Quinoline Moieties: History, Synthesis, Optical Properties, and Applications. Chemistry - A European Journal, 2021, 27, 4230-4248.	1.7	50
7	Donor acceptor fluorophores: synthesis, optical properties, TD-DFT and cytotoxicity studies. Organic and Biomolecular Chemistry, 2021, 19, 1835-1846.	1.5	12
8	Synthesis and Applications of Selected Fluorine-Containing Fluorophores. Molecules, 2021, 26, 1160.	1.7	16
9	Improved pentamethine cyanine nanosensors for optoacoustic imaging of pancreatic cancer. Scientific Reports, 2021, 11, 4366.	1.6	9
10	Frontispiece: Cyanine Dyes Containing Quinoline Moieties: History, Synthesis, Optical Properties, and Applications. Chemistry - A European Journal, 2021, 27, .	1.7	2
11	Synthesis of pH-sensitive benzothiazole cyanine dye derivatives containing a pyridine moiety at the meso position. Dyes and Pigments, 2021, 190, 109268.	2.0	11
12	Near-Infrared Heptamethine Cyanine Dyes for Nanoparticle-Based Photoacoustic Imaging and Photothermal Therapy. Journal of Medicinal Chemistry, 2021, 64, 8798-8805.	2.9	25
13	Developments of small molecules as inhibitors for carbonic anhydrase isoforms. Bioorganic and Medicinal Chemistry, 2021, 39, 116140.	1.4	15
14	2-((E)-2-((E)-4-Chloro-5-(2-((E)-5-methoxy-3,3-dimethyl-1-(3-phenylpropyl)indolin-2-ylidene)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Tc MolBank, 2021, 2021, M1270.	0.2	3
15	Effects of physical orientation of dye molecules and molecular orbitals on performance of solid-state dye sensitized solar cells. Materials Today: Proceedings, 2020, 23, 43-48.	0.9	5
16	Squaraine Dyes: Molecular Design for Different Applications and Remaining Challenges. Bioconjugate Chemistry, 2020, 31, 194-213.	1.8	130
17	Ultrabright and Serum-Stable Squaraine Dyes. Journal of Medicinal Chemistry, 2020, 63, 9436-9445.	2.9	14
18	Small Molecules for Multi-Wavelength Near-Infrared Fluorescent Mapping of Regional and Sentinel Lymph Nodes in Colorectal Cancer Staging. Frontiers in Oncology, 2020, 10, 586112.	1.3	1

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19	DNA Photocleavage in the Near-Infrared Wavelength Range by 2-Quinolinium Dicarbocyanine Dyes. Molecules, 2020, 25, 2926.	1.7	9
20	Investigation of benzophenoxazine derivatives for the detection of latent fingerprints on porous surfaces. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 392, 112416.	2.0	7
21	Benefits and applications of microwave-assisted synthesis of nitrogen containing heterocycles in medicinal chemistry. RSC Advances, 2020, 10, 14170-14197.	1.7	133
22	Rapid and Selective Targeting of Heterogeneous Pancreatic Neuroendocrine Tumors. IScience, 2020, 23, 101006.	1.9	8
23	Bicyclic Systems With Two Bridgehead (Ring Junction) Nitrogen Atoms. , 2020, , 311-311.		0
24	Calculated vibrational properties of semiquinones in the A1 binding site in photosystem I. Biochimica Et Biophysica Acta - Bioenergetics, 2019, 1860, 699-707.	0.5	8
25	Chemical Modulation of Bioengineered Exosomes for Tissueâ€Specific Biodistribution. Advanced Therapeutics, 2019, 2, 1900111.	1.6	26
26	Second Generation G-Quadruplex Stabilizing Trimethine Cyanines. Bioconjugate Chemistry, 2019, 30, 2647-2663.	1.8	7
27	Lysosomeâ€Targeted Bioprobes for Sequential Cell Tracking from Macroscopic to Microscopic Scales. Advanced Materials, 2019, 31, e1806216.	11.1	24
28	Single photon DNA photocleavage at 830 nm by quinoline dicarbocyanine dyes. Chemical Communications, 2019, 55, 12667-12670.	2.2	9
29	Surface modified fluorescent silica nanoparticles and their applications (Conference Presentation). , 2019, , .		0
30	Synthesis, optical properties and cytotoxicity of meso-heteroatom substituted IR-786 analogs. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 509-514.	1.0	18
31	Defining the epigenetic status of blood cells using a cyanine-based fluorescent probe for PRMT1. Blood Advances, 2018, 2, 2829-2836.	2.5	3
32	Small Molecule Optoacoustic Contrast Agents: An Unexplored Avenue for Enhancing In Vivo Imaging. Molecules, 2018, 23, 2766.	1.7	36
33	Introduction of various substitutions to the methine bridge of heptamethine cyanine dyes Via substituted dianil linkers. Photochemical and Photobiological Sciences, 2018, 17, 1409-1416.	1.6	26
34	Synthesis and Optical Properties of Near-Infrared meso-Phenyl-Substituted Symmetric Heptamethine Cyanine Dyes. Molecules, 2018, 23, 226.	1.7	28
35	Cyanine and Squaric Acid Metal Sensors. Sensors and Actuators B: Chemical, 2017, 243, 1191-1204.	4.0	21
36	â€œTurn onâ€•fluorescence response of monomethine cyanines caused by noncovalent binding to ct-DNA. Dyes and Pigments, 2017, 145, 202-207.	2.0	6

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37	Effects of heterocyclic N -alkyl chain length on cancer cell uptake of near infrared heptamethine cyanine dyes. Dyes and Pigments, 2017, 145, 307-314.	2.0	11
38	Intraoperative Near-Infrared Fluorescence Imaging of Thymus in Preclinical Models. Annals of Thoracic Surgery, 2017, 103, 1132-1141.	0.7	4
39	Synthesis and Optical Properties of Pentamethine Cyanine Dyes With Carboxylic Acid Moieties. Analytical Chemistry Insights, 2017, 12, 117739011771193.	2.7	17
40	Benz[c,d]indolium-containing Monomethine Cyanine Dyes: Synthesis and Photophysical Properties. Molecules, 2016, 21, 23.	1.7	24
41	Fluorescent silica nanoparticles containing covalently bound dyes for reporter, marker, and sensor applications. , 2016, , .		1
42	Near-Infrared Illumination of Native Tissues for Image-Guided Surgery. Journal of Medicinal Chemistry, 2016, 59, 5311-5323.	2.9	46
43	Siteâ€Specific In Vivo Bioorthogonal Ligation via Chemical Modulation. Advanced Healthcare Materials, 2016, 5, 2510-2516.	3.9	9
44	Tissue-Specific Near-Infrared Fluorescence Imaging. Accounts of Chemical Research, 2016, 49, 1731-1740.	7.6	308
45	Endocrine-specific NIR fluorophores for adrenal gland targeting. Chemical Communications, 2016, 52, 10305-10308.	2.2	24
46	Nile Red and Nile Blue: Applications and Syntheses of Structural Analogues. Chemistry - A European Journal, 2016, 22, 13764-13782.	1.7	155
47	Excitonic photovoltaic effect in a cyanine dye molecular assembly electronically coupled to n- and p-type semiconductors. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 325, 39-44.	2.0	11
48	700-nm Zwitterionic Near-Infrared Fluorophores for Dual-Channel Image-Guided Surgery. Molecular Imaging and Biology, 2016, 18, 52-61.	1.3	65
49	Cartilageâ€Specific Nearâ€Infrared Fluorophores for Biomedical Imaging. Angewandte Chemie - International Edition, 2015, 54, 8648-8652.	7.2	97
50	Pancreas-Targeted NIR Fluorophores for Dual-Channel Image-Guided Abdominal Surgery. Theranostics, 2015, 5, 1-11.	4.6	38
51	NIR fluorescent small molecules for intraoperative imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2015, 7, 828-838.	3.3	70
52	Exploration of Cyanine Compounds as Selective Inhibitors of Protein Arginine Methyltransferases: Synthesis and Biological Evaluation. Journal of Medicinal Chemistry, 2015, 58, 1228-1243.	2.9	37
53	Structure-inherent targeting of near-infrared fluorophores for parathyroid and thyroid gland imaging. Nature Medicine, 2015, 21, 192-197.	15.2	166
54	Tailored Near-Infrared Contrast Agents for Image Guided Surgery. Journal of Medicinal Chemistry, 2015, 58, 2845-2854.	2.9	63

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55	Synthesis and pH-Dependent Spectroscopic Behavior of 2,4,6-Trisubstituted Pyridine Derivatives. Journal of Heterocyclic Chemistry, 2015, 52, 861-872.	1.4	2
56	Synthesis of Asymmetric Monomethine Cyanine Dyes with Redâ€Shifted Optical Properties. Journal of Heterocyclic Chemistry, 2015, 52, 180-184.	1.4	6
57	Tailoring Cyanine Dark States for Improved Optically Modulated Fluorescence Recovery. Journal of Physical Chemistry B, 2015, 119, 4637-4643.	1.2	14
58	Selective Incorporation of Fluorine in Pyrazoles. European Journal of Organic Chemistry, 2015, 2015, 3405-3422.	1.2	67
59	NIR fluorescent silica nanoparticles as reporting labels in bioanalytical applications. , 2015, , .		1
60	Correlating Molecular Character of NIR Imaging Agents with Tissue-Specific Uptake. Journal of Medicinal Chemistry, 2015, 58, 4348-4356.	2.9	49
61	Creative Report Writing in Undergraduate Organic Chemistry Laboratory Inspires Nonmajors. Journal of Chemical Education, 2015, 92, 90-95.	1.1	17
62	A microwave-assisted and environmentally benign approach to the synthesis of near-infrared fluorescent pentamethine cyanine dyes. Dyes and Pigments, 2015, 113, 27-37.	2.0	30
63	Prototype Nerve-Specific Near-Infrared Fluorophores. Theranostics, 2014, 4, 823-833.	4.6	81
64	Simultaneous Mapping of Pan and Sentinel Lymph Nodes for Real-Time Image-Guided Surgery. Theranostics, 2014, 4, 693-700.	4.6	34
65	Central Câ€“C bonding increases optical and chemical stability of NIR fluorophores. RSC Advances, 2014, 4, 58762-58768.	1.7	55
66	Use of fluorescent NIR dyes in silica nanoparticles and as enzyme substrates in bioanalytical applications. , 2014, , .		0
67	2-{(E)-2-[(3E)-2-Chloro-3-{(2E)-2-[1,1-dimethyl-3-(3-phenylpropyl)-1,3-dihydro-2H-benzo[e]indol-2-ylidene]-ethylidene}cyclohex-1-en-1-yl Iodide. MolBank, 2014, 2014, M814.	0.2	4
68	Oxidative cleavage of DNA by pentamethine carbocyanine dyes irradiated with long-wavelength visible light. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 214-219.	1.0	14
69	Synthesis and evaluation of antiproliferative activity of a novel series of hydroxychavicol analogs. European Journal of Medicinal Chemistry, 2014, 75, 1-10.	2.6	13
70	Synthesis and effect of heterocycle modification on the spectroscopic properties of a series of unsymmetrical trimethine cyanine dyes. Dyes and Pigments, 2014, 105, 238-249.	2.0	20
71	Hydroxylated near-infrared BODIPY fluorophores as intracellular pH sensors. Analyst, The, 2014, 139, 4862-4873.	1.7	28
72	Novel third-generation water-soluble noscapine analogs as superior microtubule-interfering agents with enhanced antiproliferative activity. Biochemical Pharmacology, 2014, 92, 192-205.	2.0	19

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73	Phosphonated Nearâ€infrared Fluorophores for Biomedical Imaging of Bone. Angewandte Chemie - International Edition, 2014, 53, 10668-10672.	7.2	106
74	Synthesis and applications of unsymmetrical carbocyanine dyes. Dyes and Pigments, 2013, 99, 1107-1116.	2.0	37
75	Highly charged cyanine fluorophores for trafficking scaffold degradation. Biomedical Materials (Bristol), 2013, 8, 014109.	1.7	24
76	Targeted zwitterionic near-infrared fluorophores for improved optical imaging. Nature Biotechnology, 2013, 31, 148-153.	9.4	459
77	Synthesis and applications of benzothiazole containing cyanine dyes. Heterocyclic Communications, 2013, 19, 1-11.	0.6	27
78	Substituted benzothiazoles: synthesis and medicinal characteristics. Heterocyclic Communications, 2013, 19, 89-99.	0.6	24
79	Near-infrared lipophilic fluorophores for tracing tissue growth. Biomedical Materials (Bristol), 2013, 8, 014110.	1.7	38
80	NIR fluorescent dyes: versatile vehicles for marker and probe applications. , 2013, , .		1
81	Selective G-Quadruplex DNA Recognition by a New Class of Designed Cyanines. Molecules, 2013, 18, 13588-13607.	1.7	27
82	Evaluation of Polymethine Dyes as Potential Probes for Near Infrared Fluorescence Imaging of Tumors: Part - 1. Theranostics, 2013, 3, 692-702.	4.6	122
83	Novel water soluble NIR dyes: does charge matter?. Proceedings of SPIE, 2012, , .	0.8	0
84	Halogenated pentamethine cyanine dyes exhibiting high fidelity for G-quadruplex DNA. Bioorganic and Medicinal Chemistry, 2012, 20, 7002-7011.	1.4	35
85	Synthesis and evaluation of carbocyanine dyes as PRMT inhibitors and imaging agents. European Journal of Medicinal Chemistry, 2012, 54, 647-659.	2.6	42
86	The solvatochromic effects of side chain substitution on the binding interaction of novel tricarbocyanine dyes with human serum albumin. Talanta, 2012, 92, 45-52.	2.9	31
87	Two-wavelength near-infrared fluorescence for the quantitation of drug antiplatelet effects in large animal model systems. Journal of Vascular Surgery, 2012, 56, 171-180.	0.6	19
88	cGMPâ€Compatible preparative scale synthesis of nearâ€infrared fluorophores. Contrast Media and Molecular Imaging, 2012, 7, 516-524.	0.4	55
89	Near infrared active heptacyanine dyes with unique cancer-imaging and cytotoxic properties. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1242-1246.	1.0	26
90	Rapid and Facile Microwaveâ€Assisted Surface Chemistry for Functionalized Microarray Slides. Advanced Functional Materials, 2012, 22, 872-878.	7.8	12

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91	Second generation benzofuranone ring substituted noscapine analogs: Synthesis and biological evaluation. Biochemical Pharmacology, 2011, 82, 110-121.	2.0	54
92	Synthesis and Inâ€...Vivo Fate of Zwitterionic Nearâ€Infrared Fluorophores. Angewandte Chemie - International Edition, 2011, 50, 6258-6263.	7.2	308
93	The Effect of Varying Short-Chain Alkyl Substitution on the Molar Absorptivity and Quantum Yield of Cyanine Dyes. Analytical Chemistry Insights, 2011, 6, ACI.S6568.	2.7	36
94	Near IR Heptamethine Cyanine Dyeâ€"Mediated Cancer Imaging. Clinical Cancer Research, 2010, 16, 2833-2844.	3.2	248
95	Near-infrared fluorophores as biomolecular probes. Proceedings of SPIE, 2010, , .	0.8	0
96	Kinetically Controlled Photoinduced Electron Transfer Switching in Cu(I)-Responsive Fluorescent Probes. Journal of the American Chemical Society, 2010, 132, 737-747.	6.6	70
97	Near-infrared dyes for molecular probes and imaging. , 2009, , .		0
98	Nearâ€infrared bis(indolium heptamethine cyanine) dyes with a spacer derived from oligo(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	6
99	Functionalization of benzo[c,d]indole system for the synthesis of visible and nearâ€infrared dyes. Journal of Heterocyclic Chemistry, 2009, 46, 84-87.	1.4	22
100	An investigation of the interaction of iminosulfurane transdermal penetration enhancers with model skin preparations using NMR spectroscopy. International Journal of Pharmaceutics, 2009, 373, 48-54.	2.6	4
101	NEW NEAR INFRARED HEPTAMETHINE CYANINE FLUORESCENCE DYES IMPROVE DETECTION AND TREATMENT OF HUMAN AND MOUSE PROSTATE TUMORS. Journal of Urology, 2009, 181, 708.	0.2	0
102	Fluorescence lifetime properties of near-infrared cyanine dyes in relation to their structures. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 200, 438-444.	2.0	65
103	Synthesis of Cyanine Dyes. Topics in Heterocyclic Chemistry, 2008, , 1-9.	0.2	13
104	Near-Infrared Cyanine Dyeâ€"Protein Interactions. Topics in Heterocyclic Chemistry, 2008, , 31-39.	0.2	7
105	Synthesis of 2â€phenylquinolinâ€4â€amines substituted with diverse amino and aminoalkyl groups. Journal of Heterocyclic Chemistry, 2006, 43, 1613-1620.	1.4	2