

Maged Henary

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5494491/publications.pdf>

Version: 2024-02-01

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 | Targeted zwitterionic near-infrared fluorophores for improved optical imaging. <i>Nature Biotechnology</i> , 2013, 31, 148-153. | 9.4 | 459 |
| 2 | Synthesis and In Vivo Fate of Zwitterionic Near-Infrared Fluorophores. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6258-6263. | 7.2 | 308 |
| 3 | Tissue-Specific Near-Infrared Fluorescence Imaging. <i>Accounts of Chemical Research</i> , 2016, 49, 1731-1740. | 7.6 | 308 |
| 4 | Near IR Heptamethine Cyanine Dye-Mediated Cancer Imaging. <i>Clinical Cancer Research</i> , 2010, 16, 2833-2844. | 3.2 | 248 |
| 5 | Structure-inherent targeting of near-infrared fluorophores for parathyroid and thyroid gland imaging. <i>Nature Medicine</i> , 2015, 21, 192-197. | 15.2 | 166 |
| 6 | Nile Red and Nile Blue: Applications and Syntheses of Structural Analogues. <i>Chemistry - A European Journal</i> , 2016, 22, 13764-13782. | 1.7 | 155 |
| 7 | Benefits and applications of microwave-assisted synthesis of nitrogen containing heterocycles in medicinal chemistry. <i>RSC Advances</i> , 2020, 10, 14170-14197. | 1.7 | 133 |
| 8 | Squaraine Dyes: Molecular Design for Different Applications and Remaining Challenges. <i>Bioconjugate Chemistry</i> , 2020, 31, 194-213. | 1.8 | 130 |
| 9 | Evaluation of Polymethine Dyes as Potential Probes for Near Infrared Fluorescence Imaging of Tumors: Part - 1. <i>Theranostics</i> , 2013, 3, 692-702. | 4.6 | 122 |
| 10 | Phosphonated Near-Infrared Fluorophores for Biomedical Imaging of Bone. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10668-10672. | 7.2 | 106 |
| 11 | Cartilage-Specific Near-Infrared Fluorophores for Biomedical Imaging. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8648-8652. | 7.2 | 97 |
| 12 | Prototype Nerve-Specific Near-Infrared Fluorophores. <i>Theranostics</i> , 2014, 4, 823-833. | 4.6 | 81 |
| 13 | Kinetically Controlled Photoinduced Electron Transfer Switching in Cu(I)-Responsive Fluorescent Probes. <i>Journal of the American Chemical Society</i> , 2010, 132, 737-747. | 6.6 | 70 |
| 14 | NIR fluorescent small molecules for intraoperative imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2015, 7, 828-838. | 3.3 | 70 |
| 15 | Selective Incorporation of Fluorine in Pyrazoles. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3405-3422. | 1.2 | 67 |
| 16 | Fluorescence lifetime properties of near-infrared cyanine dyes in relation to their structures. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 200, 438-444. | 2.0 | 65 |
| 17 | 700-nm Zwitterionic Near-Infrared Fluorophores for Dual-Channel Image-Guided Surgery. <i>Molecular Imaging and Biology</i> , 2016, 18, 52-61. | 1.3 | 65 |
| 18 | Tailored Near-Infrared Contrast Agents for Image Guided Surgery. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 2845-2854. | 2.9 | 63 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | cGMPâ€Compatible preparative scale synthesis of nearâ€infrared fluorophores. Contrast Media and Molecular Imaging, 2012, 7, 516-524. | 0.4 | 55 |
| 20 | Central Câ€C bonding increases optical and chemical stability of NIR fluorophores. RSC Advances, 2014, 4, 58762-58768. | 1.7 | 55 |
| 21 | Second generation benzofuranone ring substituted noscapine analogs: Synthesis and biological evaluation. Biochemical Pharmacology, 2011, 82, 110-121. | 2.0 | 54 |
| 22 | Cyanine Dyes Containing Quinoline Moieties: History, Synthesis, Optical Properties, and Applications. Chemistry - A European Journal, 2021, 27, 4230-4248. | 1.7 | 50 |
| 23 | Correlating Molecular Character of NIR Imaging Agents with Tissue-Specific Uptake. Journal of Medicinal Chemistry, 2015, 58, 4348-4356. | 2.9 | 49 |
| 24 | Near-Infrared Illumination of Native Tissues for Image-Guided Surgery. Journal of Medicinal Chemistry, 2016, 59, 5311-5323. | 2.9 | 46 |
| 25 | Synthesis and evaluation of carbocyanine dyes as PRMT inhibitors and imaging agents. European Journal of Medicinal Chemistry, 2012, 54, 647-659. | 2.6 | 42 |
| 26 | Near-infrared lipophilic fluorophores for tracing tissue growth. Biomedical Materials (Bristol), 2013, 8, 014110. | 1.7 | 38 |
| 27 | Pancreas-Targeted NIR Fluorophores for Dual-Channel Image-Guided Abdominal Surgery. Theranostics, 2015, 5, 1-11. | 4.6 | 38 |
| 28 | Synthesis and applications of unsymmetrical carbocyanine dyes. Dyes and Pigments, 2013, 99, 1107-1116. | 2.0 | 37 |
| 29 | 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 |
| 30 | 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 |
| 31 | Small Molecule Optoacoustic Contrast Agents: An Unexplored Avenue for Enhancing In Vivo Imaging. Molecules, 2018, 23, 2766. | 1.7 | 36 |
| 32 | Tumorâ€Associated Immuneâ€Cellâ€Mediated Tumorâ€Targeting Mechanism with NIRâ€Fluorescence Imaging. Advanced Materials, 2022, 34, e2106500. | 11.1 | 36 |
| 33 | Halogenated pentamethine cyanine dyes exhibiting high fidelity for G-quadruplex DNA. Bioorganic and Medicinal Chemistry, 2012, 20, 7002-7011. | 1.4 | 35 |
| 34 | Simultaneous Mapping of Pan and Sentinel Lymph Nodes for Real-Time Image-Guided Surgery. Theranostics, 2014, 4, 693-700. | 4.6 | 34 |
| 35 | 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 |
| 36 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Hydroxylated near-infrared BODIPY fluorophores as intracellular pH sensors. <i>Analyst</i> , 2014, 139, 4862-4873. | 1.7 | 28 |
| 38 | Synthesis and Optical Properties of Near-Infrared meso-Phenyl-Substituted Symmetric Heptamethine Cyanine Dyes. <i>Molecules</i> , 2018, 23, 226. | 1.7 | 28 |
| 39 | Synthesis and applications of benzothiazole containing cyanine dyes. <i>Heterocyclic Communications</i> , 2013, 19, 1-11. | 0.6 | 27 |
| 40 | Selective G-Quadruplex DNA Recognition by a New Class of Designed Cyanines. <i>Molecules</i> , 2013, 18, 13588-13607. | 1.7 | 27 |
| 41 | Near infrared active heptacyanine dyes with unique cancer-imaging and cytotoxic properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1242-1246. | 1.0 | 26 |
| 42 | Introduction of various substitutions to the methine bridge of heptamethine cyanine dyes Via substituted dianil linkers. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1409-1416. | 1.6 | 26 |
| 43 | Chemical Modulation of Bioengineered Exosomes for Tissue-Specific Biodistribution. <i>Advanced Therapeutics</i> , 2019, 2, 1900111. | 1.6 | 26 |
| 44 | Near-Infrared Heptamethine Cyanine Dyes for Nanoparticle-Based Photoacoustic Imaging and Photothermal Therapy. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8798-8805. | 2.9 | 25 |
| 45 | Highly charged cyanine fluorophores for trafficking scaffold degradation. <i>Biomedical Materials (Bristol)</i> , 2013, 8, 014109. | 1.7 | 24 |
| 46 | Substituted benzothiazoles: synthesis and medicinal characteristics. <i>Heterocyclic Communications</i> , 2013, 19, 89-99. | 0.6 | 24 |
| 47 | Benz[c,d]indolium-containing Monomethine Cyanine Dyes: Synthesis and Photophysical Properties. <i>Molecules</i> , 2016, 21, 23. | 1.7 | 24 |
| 48 | Endocrine-specific NIR fluorophores for adrenal gland targeting. <i>Chemical Communications</i> , 2016, 52, 10305-10308. | 2.2 | 24 |
| 49 | Lysosome-Targeted Bioprobes for Sequential Cell Tracking from Macroscopic to Microscopic Scales. <i>Advanced Materials</i> , 2019, 31, e1806216. | 11.1 | 24 |
| 50 | Functionalization of benzo[c,d]indole system for the synthesis of visible and near-infrared dyes. <i>Journal of Heterocyclic Chemistry</i> , 2009, 46, 84-87. | 1.4 | 22 |
| 51 | Cyanine and Squaric Acid Metal Sensors. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 1191-1204. | 4.0 | 21 |
| 52 | Synthesis and Applications of Nitrogen-Containing Heterocycles as Antiviral Agents. <i>Molecules</i> , 2022, 27, 2700. | 1.7 | 21 |
| 53 | Synthesis and effect of heterocycle modification on the spectroscopic properties of a series of unsymmetrical trimethine cyanine dyes. <i>Dyes and Pigments</i> , 2014, 105, 238-249. | 2.0 | 20 |
| 54 | Two-wavelength near-infrared fluorescence for the quantitation of drug antiplatelet effects in large animal model systems. <i>Journal of Vascular Surgery</i> , 2012, 56, 171-180. | 0.6 | 19 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Novel third-generation water-soluble noscapine analogs as superior microtubule-interfering agents with enhanced antiproliferative activity. <i>Biochemical Pharmacology</i> , 2014, 92, 192-205. | 2.0 | 19 |
| 56 | Synthesis, optical properties and cytotoxicity of meso-heteroatom substituted IR-786 analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 509-514. | 1.0 | 18 |
| 57 | Creative Report Writing in Undergraduate Organic Chemistry Laboratory Inspires Nonmajors. <i>Journal of Chemical Education</i> , 2015, 92, 90-95. | 1.1 | 17 |
| 58 | Synthesis and Optical Properties of Pentamethine Cyanine Dyes With Carboxylic Acid Moieties. <i>Analytical Chemistry Insights</i> , 2017, 12, 117739011771193. | 2.7 | 17 |
| 59 | Synthesis and Applications of Selected Fluorine-Containing Fluorophores. <i>Molecules</i> , 2021, 26, 1160. | 1.7 | 16 |
| 60 | Developments of small molecules as inhibitors for carbonic anhydrase isoforms. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 39, 116140. | 1.4 | 15 |
| 61 | Oxidative cleavage of DNA by pentamethine carbocyanine dyes irradiated with long-wavelength visible light. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 214-219. | 1.0 | 14 |
| 62 | Tailoring Cyanine Dark States for Improved Optically Modulated Fluorescence Recovery. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4637-4643. | 1.2 | 14 |
| 63 | Ultrabright and Serum-Stable Squaraine Dyes. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 9436-9445. | 2.9 | 14 |
| 64 | Synthesis of Cyanine Dyes. <i>Topics in Heterocyclic Chemistry</i> , 2008, , 1-9. | 0.2 | 13 |
| 65 | Synthesis and evaluation of antiproliferative activity of a novel series of hydroxychavicol analogs. <i>European Journal of Medicinal Chemistry</i> , 2014, 75, 1-10. | 2.6 | 13 |
| 66 | Rapid and Facile Microwave-Assisted Surface Chemistry for Functionalized Microarray Slides. <i>Advanced Functional Materials</i> , 2012, 22, 872-878. | 7.8 | 12 |
| 67 | Donor acceptor fluorophores: synthesis, optical properties, TD-DFT and cytotoxicity studies. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 1835-1846. | 1.5 | 12 |
| 68 | Excitonic photovoltaic effect in a cyanine dye molecular assembly electronically coupled to n- and p-type semiconductors. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 325, 39-44. | 2.0 | 11 |
| 69 | Effects of heterocyclic N-alkyl chain length on cancer cell uptake of near infrared heptamethine cyanine dyes. <i>Dyes and Pigments</i> , 2017, 145, 307-314. | 2.0 | 11 |
| 70 | Synthesis of pH-sensitive benzothiazole cyanine dye derivatives containing a pyridine moiety at the meso position. <i>Dyes and Pigments</i> , 2021, 190, 109268. | 2.0 | 11 |
| 71 | Topical pH Sensing NIR Fluorophores for Intraoperative Imaging and Surgery of Disseminated Ovarian Cancer. <i>Advanced Science</i> , 2022, 9, e2201416. | 5.6 | 11 |
| 72 | Fast and Durable Intraoperative Near-Infrared Imaging of Ovarian Cancer Using Ultrabright Squaraine Fluorophores. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 7.2 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Site-Specific In Vivo Bioorthogonal Ligation via Chemical Modulation. <i>Advanced Healthcare Materials</i> , 2016, 5, 2510-2516. | 3.9 | 9 |
| 74 | Single photon DNA photocleavage at 830 nm by quinoline dicarbocyanine dyes. <i>Chemical Communications</i> , 2019, 55, 12667-12670. | 2.2 | 9 |
| 75 | DNA Photocleavage in the Near-Infrared Wavelength Range by 2-Quinolinium Dicarbocyanine Dyes. <i>Molecules</i> , 2020, 25, 2926. | 1.7 | 9 |
| 76 | Improved pentamethine cyanine nanosensors for optoacoustic imaging of pancreatic cancer. <i>Scientific Reports</i> , 2021, 11, 4366. | 1.6 | 9 |
| 77 | Calculated vibrational properties of semiquinones in the A1 binding site in photosystem I. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 699-707. | 0.5 | 8 |
| 78 | Rapid and Selective Targeting of Heterogeneous Pancreatic Neuroendocrine Tumors. <i>IScience</i> , 2020, 23, 101006. | 1.9 | 8 |
| 79 | Near-Infrared Cyanine Dye-Protein Interactions. <i>Topics in Heterocyclic Chemistry</i> , 2008, , 31-39. | 0.2 | 7 |
| 80 | Second Generation G-Quadruplex Stabilizing Trimethine Cyanines. <i>Bioconjugate Chemistry</i> , 2019, 30, 2647-2663. | 1.8 | 7 |
| 81 | Investigation of benzophenoxazine derivatives for the detection of latent fingerprints on porous surfaces. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 392, 112416. | 2.0 | 7 |
| 82 | Near-Infrared bis(indolium heptamethine cyanine) dyes with a spacer derived from oligo(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 78 79 80 81 82 83 84 85 86 87 88 89 90 | 1.4 | 6 |
| 83 | Synthesis of Asymmetric Monomethine Cyanine Dyes with Red-Shifted Optical Properties. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 180-184. | 1.4 | 6 |
| 84 | Turn-on fluorescence response of monomethine cyanines caused by noncovalent binding to ct-DNA. <i>Dyes and Pigments</i> , 2017, 145, 202-207. | 2.0 | 6 |
| 85 | Effects of physical orientation of dye molecules and molecular orbitals on performance of solid-state dye sensitized solar cells. <i>Materials Today: Proceedings</i> , 2020, 23, 43-48. | 0.9 | 5 |
| 86 | An investigation of the interaction of iminosulfurane transdermal penetration enhancers with model skin preparations using NMR spectroscopy. <i>International Journal of Pharmaceutics</i> , 2009, 373, 48-54. | 2.6 | 4 |
| 87 | 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. <i>MolBank</i> , 2014, 2014, M814. | 0.2 | 4 |
| 88 | Intraoperative Near-Infrared Fluorescence Imaging of Thymus in Preclinical Models. <i>Annals of Thoracic Surgery</i> , 2017, 103, 1132-1141. | 0.7 | 4 |
| 89 | Defining the epigenetic status of blood cells using a cyanine-based fluorescent probe for PRMT1. <i>Blood Advances</i> , 2018, 2, 2829-2836. | 2.5 | 3 |
| 90 | 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 67 78 79 80 81 82 83 84 85 86 87 88 89 90 | 0.2 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Fast and Durable Intraoperative Near-Infrared Imaging of Ovarian Cancer Using Ultrabright Squaraine Fluorophores. <i>Angewandte Chemie</i> , 2022, 134, . | 1.6 | 3 |
| 92 | Synthesis of 2-phenylquinolin-4-amines substituted with diverse amino and aminoalkyl groups. <i>Journal of Heterocyclic Chemistry</i> , 2006, 43, 1613-1620. | 1.4 | 2 |
| 93 | Synthesis and pH-Dependent Spectroscopic Behavior of 2,4,6-Trisubstituted Pyridine Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 861-872. | 1.4 | 2 |
| 94 | Frontispiece: Cyanine Dyes Containing Quinoline Moieties: History, Synthesis, Optical Properties, and Applications. <i>Chemistry - A European Journal</i> , 2021, 27, . | 1.7 | 2 |
| 95 | NIR fluorescent dyes: versatile vehicles for marker and probe applications. , 2013, , . | | 1 |
| 96 | NIR fluorescent silica nanoparticles as reporting labels in bioanalytical applications. , 2015, , . | | 1 |
| 97 | Fluorescent silica nanoparticles containing covalently bound dyes for reporter, marker, and sensor applications. , 2016, , . | | 1 |
| 98 | Small Molecules for Multi-Wavelength Near-Infrared Fluorescent Mapping of Regional and Sentinel Lymph Nodes in Colorectal Cancer Staging. <i>Frontiers in Oncology</i> , 2020, 10, 586112. | 1.3 | 1 |
| 99 | Near-infrared dyes for molecular probes and imaging. , 2009, , . | | 0 |
| 100 | NEW NEAR INFRARED HEPTAMETHINE CYANINE FLUORESCENCE DYES IMPROVE DETECTION AND TREATMENT OF HUMAN AND MOUSE PROSTATE TUMORS. <i>Journal of Urology</i> , 2009, 181, 708. | 0.2 | 0 |
| 101 | Near-infrared fluorophores as biomolecular probes. <i>Proceedings of SPIE</i> , 2010, , . | 0.8 | 0 |
| 102 | Novel water soluble NIR dyes: does charge matter?. <i>Proceedings of SPIE</i> , 2012, , . | 0.8 | 0 |
| 103 | Use of fluorescent NIR dyes in silica nanoparticles and as enzyme substrates in bioanalytical applications. , 2014, , . | | 0 |
| 104 | Surface modified fluorescent silica nanoparticles and their applications (Conference Presentation). , 2019, , . | | 0 |
| 105 | Bicyclic Systems With Two Bridgehead (Ring Junction) Nitrogen Atoms. , 2020, , 311-311. | | 0 |