

# Xuechuan Hong

## List of Publications by Year in descending order

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98  
papers

6,724  
citations

87888

38  
h-index

64796

79  
g-index

115  
all docs

115  
docs citations

115  
times ranked

6496  
citing authors

#	ARTICLE	IF	CITATIONS
1	A small-molecule dye for NIR-II imaging. <i>Nature Materials</i> , 2016, 15, 235-242.	27.5	1,314
2	A high quantum yield molecule-protein complex fluorophore for near-infrared II imaging. <i>Nature Communications</i> , 2017, 8, 15269.	12.8	458
3	Novel benzo-bis(1,2,5-thiadiazole) fluorophores for in vivo NIR-II imaging of cancer. <i>Chemical Science</i> , 2016, 7, 6203-6207.	7.4	263
4	Novel bright-emission small-molecule NIR-II fluorophores for in vivo tumor imaging and image-guided surgery. <i>Chemical Science</i> , 2017, 8, 3489-3493.	7.4	238
5	Versatile Types of Inorganic/Organic NIR-IIa/IIb Fluorophores: From Strategic Design toward Molecular Imaging and Theranostics. <i>Chemical Reviews</i> , 2022, 122, 209-268.	47.7	232
6	Novel near-infrared II aggregation-induced emission dots for <i>in vivo</i> bioimaging. <i>Chemical Science</i> , 2019, 10, 1219-1226.	7.4	214
7	Asymmetric Organocatalysis of 4 + 3 Cycloaddition Reactions. <i>Journal of the American Chemical Society</i> , 2003, 125, 2058-2059.	13.7	205
8	Potential therapeutic effects of dipyridamole in the severely ill patients with COVID-19. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 1205-1215.	12.0	193
9	Upconversion NIR-II fluorophores for mitochondria-targeted cancer imaging and photothermal therapy. <i>Nature Communications</i> , 2020, 11, 6183.	12.8	176
10	Multifunctional Biomedical Imaging in Physiological and Pathological Conditions Using a NIR-II Probe. <i>Advanced Functional Materials</i> , 2017, 27, 1700995.	14.9	169
11	Polymethine Thiopyrylium Fluorophores with Absorption beyond 1000 nm for Biological Imaging in the Second Near-Infrared Subwindow. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2049-2059.	6.4	156
12	Biological and pharmacological activities of amaryllidaceae alkaloids. <i>RSC Advances</i> , 2015, 5, 16562-16574.	3.6	149
13	Novel dual-function near-infrared II fluorescence and PET probe for tumor delineation and image-guided surgery. <i>Chemical Science</i> , 2018, 9, 2092-2097.	7.4	149
14	Novel NIR-II organic fluorophores for bioimaging beyond 1550 nm. <i>Chemical Science</i> , 2020, 11, 2621-2626.	7.4	138
15	TRPC channels: Structure, function, regulation and recent advances in small molecular probes. , 2020, 209, 107497.		126
16	Near-Infrared II Dye-Protein Complex for Biomedical Imaging and Imaging-Guided Photothermal Therapy. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800589.	7.6	116
17	The Intramolecular, Stereoselective Addition of Sulfoximine Carbanions to $\alpha,\beta$ -Unsaturated Esters. <i>Journal of the American Chemical Society</i> , 2003, 125, 5754-5756.	13.7	101
18	Strained Cyclooctyne as a Molecular Platform for Construction of Multimodal Imaging Probes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5981-5984.	13.8	97

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19	Live imaging of follicle stimulating hormone receptors in gonads and bones using near infrared II fluorophore. <i>Chemical Science</i> , 2017, 8, 3703-3711.	7.4	96
20	Doxorubicin-Loaded Glycyrrhetic Acid Modified Recombinant Human Serum Albumin Nanoparticles for Targeting Liver Tumor Chemotherapy. <i>Molecular Pharmaceutics</i> , 2015, 12, 675-683.	4.6	78
21	Benzothiazines in Synthesis. A Total Synthesis of Pseudopteroxazole. <i>Organic Letters</i> , 2005, 7, 3581-3583.	4.6	75
22	Quaternary Ammonium Salt Based NIR-II Probes for In Vivo Imaging. <i>Advanced Optical Materials</i> , 2019, 7, 1900229.	7.3	66
23	Microwave-assisted N-arylation of a sulfoximine with aryl chlorides. <i>Tetrahedron Letters</i> , 2004, 45, 5233-5236.	1.4	60
24	All-in-one mitochondria-targeted NIR-II fluorophores for cancer therapy and imaging. <i>Chemical Science</i> , 2021, 12, 1843-1850.	7.4	59
25	New Synthesis of Benzothiazines and Benzoisothiazoles Containing a Sulfoximine Functional Group. <i>Organic Letters</i> , 2005, 7, 143-145.	4.6	57
26	Specific Small-Molecule NIR-II Fluorescence Imaging of Osteosarcoma and Lung Metastasis. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901224.	7.6	56
27	Benzothiazines in synthesis. Formal syntheses of (+)-curcumene and (+)-curcuphenol. <i>Tetrahedron Letters</i> , 2003, 44, 7261-7264.	1.4	53
28	A dipolar cycloaddition approach toward the kopsifoline alkaloid framework. <i>Tetrahedron</i> , 2007, 63, 5962-5976.	1.9	51
29	Proteomic Analysis and NIR-II Imaging of MCM2 Protein in Hepatocellular Carcinoma. <i>Journal of Proteome Research</i> , 2018, 17, 2428-2439.	3.7	51
30	Cycloaddition Protocol for the Assembly of the Hexacyclic Framework Associated with the Kopsifoline Alkaloids. <i>Organic Letters</i> , 2006, 8, 5141-5144.	4.6	48
31	Benzothiazines in Synthesis. Toward the Synthesis of Pseudopteroxazole. <i>Organic Letters</i> , 2004, 6, 2201-2203.	4.6	47
32	Development of <sup>18</sup> F-Labeled Picolinamide Probes for PET Imaging of Malignant Melanoma. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 895-901.	6.4	45
33	Pyrazolo[1,5-a]pyrimidine TRPC6 antagonists for the treatment of gastric cancer. <i>Cancer Letters</i> , 2018, 432, 47-55.	7.2	45
34	Acute Treatment with a Novel TRPC4/C5 Channel Inhibitor Produces Antidepressant and Anxiolytic-Like Effects in Mice. <i>PLoS ONE</i> , 2015, 10, e0136255.	2.5	44
35	Pyrazolopyrimidines as Potent Stimulators for Transient Receptor Potential Canonical 3/6/7 Channels. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4680-4692.	6.4	44
36	A bright NIR-II fluorescent probe for breast carcinoma imaging and image-guided surgery. <i>Chemical Communications</i> , 2019, 55, 14287-14290.	4.1	44

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37	Synthesis, biological evaluation and molecular modeling of substituted 2-aminobenzimidazoles as novel inhibitors of acetylcholinesterase and butyrylcholinesterase. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4218-4224.	3.0	43
38	Benzothiazines in Organic Synthesis. The Preparation of Enantiomerically Pure 4-Substituted Quinolones. <i>Organic Letters</i> , 2007, 9, 2701-2704.	4.6	41
39	Synthesis of 2,4-Disubstituted Pyrroles by Rearrangements of 2-Furanyl Carbamates. <i>Organic Letters</i> , 2009, 11, 1233-1235.	4.6	39
40	Identification and optimization of 2-aminobenzimidazole derivatives as novel inhibitors of $\text{TRPC4}$ and $\text{TRPC5}$ channels. <i>British Journal of Pharmacology</i> , 2015, 172, 3495-3509.	5.4	38
41	Recent development on peptide-based probes for multifunctional biomedical imaging. <i>Chinese Chemical Letters</i> , 2018, 29, 1093-1097.	9.0	38
42	Key difference between transition state stabilization and ground state destabilization: increasing atomic charge densities before or during enzyme-substrate binding. <i>Chemical Science</i> , 2022, 13, 8193-8202.	7.4	38
43	New NIR-II dyes without a benzobisthiadiazole core. <i>Chinese Chemical Letters</i> , 2018, 29, 1425-1428.	9.0	37
44	Benzothiazines in synthesis. Formal synthesis of erogorgiaene. <i>Tetrahedron Letters</i> , 2005, 46, 3847-3849.	1.4	34
45	Tumor-homing peptide-based NIR-II probes for targeted spontaneous breast tumor imaging. <i>Chinese Chemical Letters</i> , 2020, 31, 1382-1386.	9.0	34
46	A Second Near-Infrared Ru(II) Polypyridyl Complex for Synergistic Chemo-Photothermal Therapy. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2225-2237.	6.4	33
47	A novel near-infrared fluorescent light-up probe for tumor imaging and drug-induced liver injury detection. <i>Chemical Communications</i> , 2019, 55, 2541-2544.	4.1	32
48	Small-Molecule Fluorophores for Near-Infrared IIb Imaging and Image-Guided Therapy of Vascular Diseases. <i>CCS Chemistry</i> , 2022, 4, 3735-3750.	7.8	31
49	Systematic research on the pretreatment of peptides for quantitative proteomics using a $\text{C}_{18}$ microcolumn. <i>Proteomics</i> , 2013, 13, 2229-2237.	2.2	30
50	Self-assembled NIR-II Fluorophores with Ultralong Blood Circulation for Cancer Imaging and Image-guided Surgery. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2078-2090.	6.4	30
51	Palladium-catalyzed intermolecular amination of unactivated $\text{C}(\text{sp}^3)\text{-H}$ bonds via a cleavable directing group. <i>Chemical Communications</i> , 2017, 53, 3986-3989.	4.1	28
52	Mn-Loaded apolactoferrin dots for <i>in vivo</i> MRI and NIR-II cancer imaging. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9448-9454.	5.5	28
53	Preclinical Study on GRPR-Targeted $^{68}\text{Ga}$ -Probes for PET Imaging of Prostate Cancer. <i>Bioconjugate Chemistry</i> , 2016, 27, 1857-1864.	3.6	27
54	Recyclable $\text{Cu}(\text{I})/\text{melanin}$ dots for cycloaddition, bioconjugation and cell labelling. <i>Chemical Science</i> , 2016, 7, 5888-5892.	7.4	27

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55	Photodesulfonation of indoles initiated by electron transfer from triethylamine. <i>Tetrahedron Letters</i> , 2006, 47, 2409-2412.	1.4	26
56	Organic NIR-II dyes with ultralong circulation persistence for image-guided delivery and therapy. <i>Journal of Controlled Release</i> , 2022, 342, 157-169.	9.9	26
57	A simple and straightforward approach toward selective C=C bond reduction by hydrazine. <i>Canadian Journal of Chemistry</i> , 2012, 90, 758-761.	1.1	25
58	Process Development and Scale-Up of an Hsp90 Inhibitor. <i>Organic Process Research and Development</i> , 2012, 16, 1787-1793.	2.7	24
59	Proteomics Links Ubiquitin Chain Topology Change to Transcription Factor Activation. <i>Molecular Cell</i> , 2019, 76, 126-137.e7.	9.7	24
60	A novel small-molecule near-infrared II fluorescence probe for orthotopic osteosarcoma imaging. <i>Science China Chemistry</i> , 2020, 63, 766-770.	8.2	24
61	Novel CD-MOF NIR-II fluorophores for gastric ulcer imaging. <i>Chinese Chemical Letters</i> , 2021, 32, 3061-3065.	9.0	24
62	Novel diketopyrrolopyrrole NIR-II fluorophores and DDR inhibitors for in vivo chemo-photodynamic therapy of osteosarcoma. <i>Chemical Engineering Journal</i> , 2022, 446, 136929.	12.7	24
63	Engineering of an industrial polyoxin producer for the rational production of hybrid peptidyl nucleoside antibiotics. <i>Metabolic Engineering</i> , 2012, 14, 388-393.	7.0	23
64	Benzothiazines in Synthesis: Studies Directed toward the Synthesis of Erogorgiaene. <i>Journal of Organic Chemistry</i> , 2008, 73, 1290-1296.	3.2	22
65	Phosphoproteomic Analysis of the Highly-Metastatic Hepatocellular Carcinoma Cell Line, MHCC97-H. <i>International Journal of Molecular Sciences</i> , 2015, 16, 4209-4225.	4.1	22
66	A facile synthesis of 5-alkoxy-pyrrol-2(5H)-ones using a modified aza-Achmatowicz oxidation. <i>Tetrahedron</i> , 2009, 65, 6720-6729.	1.9	21
67	Metal-free direct amidation of peptidyl thiol esters with $\alpha$ -amino acid esters. <i>Green Chemistry</i> , 2011, 13, 2723.	9.0	20
68	A Novel Aliphatic 18F-Labeled Probe for PET Imaging of Melanoma. <i>Molecular Pharmaceutics</i> , 2013, 10, 3384-3391.	4.6	19
69	Total Synthesis of (±)-8-Oxoerythrinine, (±)-8-Oxoerythraline, and (±)-Clivonine. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3240-3250.	2.4	19
70	Formation of a benzothiazine via the reaction of ortho-halo sulfoximines with copper salts. <i>Arkivoc</i> , 2012, 2012, 119-128.	0.5	17
71	Design, synthesis and pharmacological evaluation of novel N-(2-(1, 1-dimethyl-5, 7-dioxo-4, 5, 6, 7-tetrahydro-1H-benzothiazin-2-yl)ethyl)acetamide. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 370-376.	5.5	15
72	Palladium-Catalyzed Cross-Coupling Reaction of a Sulfoximine with Aryl Dichlorides under Microwave Irradiation. <i>Synlett</i> , 2007, 2007, 0969-0973.	1.8	14

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73	A rapid and easy protein N-terminal profiling strategy using ( <i>N</i> -succinimidyl-oxycarbonylmethyl)tris(2,4,6-trimethoxyphenyl)phosphonium bromide (TMPP) labeling and StageTip. <i>Proteomics</i> , 2017, 17, 1600481.	2.2	14
74	Lewis acid-promoted $\alpha$ -hydroxy $\beta$ -dicarbonyl to $\alpha$ -keto ester rearrangement. <i>Tetrahedron Letters</i> , 2006, 47, 8387-8390.	1.4	13
75	Design and synthesis of 6-oxo-1,4,5,6-tetrahydropyrimidine-5-carboxylate derivatives as neuraminidase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014, 83, 466-473.	5.5	13
76	New glowing dyes in vivo imaging with wavelengths beyond 1500 nm. <i>Science China Chemistry</i> , 2019, 62, 7-8.	8.2	13
77	Protein Profiling of Active Cysteine Cathepsins in Living Cells Using an Activity-Based Probe Containing a Cell-Penetrating Peptide. <i>Journal of Proteome Research</i> , 2012, 11, 5763-5772.	3.7	11
78	HMDO-Promoted Peptide and Protein Synthesis in Ionic Liquids. <i>Journal of Organic Chemistry</i> , 2013, 78, 7013-7022.	3.2	11
79	Benzimidazole derivative M084 extends the lifespan of <i>Caenorhabditis elegans</i> in a DAF-16/FOXO-dependent way. <i>Molecular and Cellular Biochemistry</i> , 2017, 426, 101-109.	3.1	11
80	A single-molecular ruthenium( <i>II</i> ) complex-based NIR-II fluorophore for enhanced chemo-photothermal therapy. <i>Chemical Communications</i> , 2022, 58, 6546-6549.	4.1	11
81	Biochemical Characterization of a Multifunctional Mononuclear Nonheme Iron Enzyme (PtID) in Neopentalenoketolactone Biosynthesis. <i>Organic Letters</i> , 2019, 21, 7592-7596.	4.6	9
82	Chapter 1 Recent progress in the chemistry of 2,1-benzothiazines. <i>Progress in Heterocyclic Chemistry</i> , 2008, 19, 1-43.	0.5	8
83	Benzothiazole Amides as TRPC3/6 Inhibitors for Gastric Cancer Treatment. <i>ACS Omega</i> , 2021, 6, 9196-9203.	3.5	8
84	Studies Towards the Synthesis of Medermycin via $\alpha$ -Benzannulation. <i>Chirality</i> , 2015, 27, 18-22.	2.6	7
85	3,16-Bisquaternary ammonium steroid derivatives as neuromuscular blocking agents: Synthesis and biological evaluation. <i>Steroids</i> , 2015, 96, 103-114.	1.8	6
86	Progress in the Synthesis and Application of Sulfoximines. <i>Chinese Journal of Organic Chemistry</i> , 2012, 32, 825.	1.3	6
87	Hydroxyethyl Pachyman as a novel excipient for sustained-release matrix tablets. <i>Carbohydrate Polymers</i> , 2016, 154, 1-7.	10.2	5
88	Benzothiazines in Synthesis: A Route to Chiral Cyclobutanes. <i>Synthesis</i> , 2008, 2008, 594-604.	2.3	4
89	ortho Substituent effect on a 1,5-H shift reaction during thermal decomposition of aryltriazenes. <i>Tetrahedron Letters</i> , 2006, 47, 7343-7347.	1.4	3
90	Rhodium Carbenoid Induced Cycloadditions of Diazo Ketoimides Across Indolyl $\pi$ -Bonds. <i>Synlett</i> , 2007, 2007, 0775-0779.	1.8	3

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91	Synthesis and Pharmacological Evaluation of Novel Benzenesulfonamide Derivatives as Potential Anticonvulsant Agents. <i>Molecules</i> , 2015, 20, 17585-17600.	3.8	2
92	Steroidal Ammonium Compounds as New Neuromuscular Blocking Agents. <i>Chemical Biology and Drug Design</i> , 2016, 87, 773-783.	3.2	1
93	Facile Cu(II)-mediated conjugation of thioesters and thioacids to peptides and proteins under mild conditions. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3610-3614.	2.8	1
94	Asymmetric Organocatalysis of [4 + 2] Cycloaddition Reactions.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
95	The Intramolecular, Stereoselective Addition of Sulfoximine Carbanions to $\alpha,\beta$ -Unsaturated Esters.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
96	Microwave-Assisted N-Arylation of a Sulfoximine with Aryl Chlorides.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
97	A practical process for the synthesis of translocator protein 18kDa imidazopyridine ligand. <i>Wuhan University Journal of Natural Sciences</i> , 2014, 19, 19-26.	0.4	0
98	Imaging: Multifunctional Biomedical Imaging in Physiological and Pathological Conditions Using a NIR-Active Probe ( <i>Adv. Funct. Mater.</i> 23/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	0