

# Yao Sun

## List of Publications by Year in descending order

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100  
papers

6,049  
citations

101543

36  
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71685

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101  
docs citations

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times ranked

5291  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Simultaneous Synthesis, Modification, and DFT Calculation of Three-Color Lead Halide Perovskite Phosphors for Improving Stability and Luminous Efficiency of WLEDs. <i>Advanced Optical Materials</i> , 2022, 10, 2101765.	7.3	11
3	Design of a Metallacycle-Based Supramolecular Photosensitizer for In Vivo Image-Guided Photodynamic Inactivation of Bacteria. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202110048.	13.8	59
4	Rational Design and Application of an Indolium-Derived Heptamethine Cyanine with Record-Long Second Near-Infrared Emission. <i>CCS Chemistry</i> , 2022, 4, 1961-1976.	7.8	50
5	A coumarin-based fluorescent probe for NIR imaging-guided photodynamic therapy against <i>S. aureus</i> -induced infection in mouse models. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1427-1433.	5.8	13
6	Construction of emissive ruthenium(II) metallacycle over 1000-nm wavelength for in vivo biomedical applications. <i>Nature Communications</i> , 2022, 13, 2009.	12.8	66
7	NIR-Emissive Ru(II) Metallacycle Assisting Fluorescence Imaging and Cancer Therapy. <i>Small</i> , 2022, 18, e2201625.	10.0	25
8	Rationally designed Ru(II)-metallacycle chemo-phototheranostic that emits beyond 1000 nm. <i>Chemical Science</i> , 2022, 13, 6541-6549.	7.4	54
9	Fabrication of Redox-Controllable Bioinspired Nanochannels for Precisely Regulating Protein Transport. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 27421-27426.	8.0	0
10	Recent Progress in the Construction of Artificial Nanochannels for Biosensing. <i>Analysis &amp; Sensing</i> , 2022, 2, .	2.0	2
11	Genetic variation of pharmacogenomic VIP variants in Zhuang nationality of southern China. <i>Pharmacogenomics Journal</i> , 2021, 21, 60-68.	2.0	6
12	Photoacoustic imaging-guided chemo-photothermal combinational therapy based on emissive Pt(II) metallacycle-loaded biomimic melanin dots. <i>Science China Chemistry</i> , 2021, 64, 134-142.	8.2	19
13	Assessment of ADCY9 polymorphisms and colorectal cancer risk in the Chinese Han population. <i>Journal of Gene Medicine</i> , 2021, 23, e3298.	2.8	6
14	Reactive oxygen species, thiols and enzymes activable AIEgens from single fluorescence imaging to multifunctional theranostics. <i>Coordination Chemistry Reviews</i> , 2021, 427, 213559.	18.8	50
15	Recent advances in the development of activatable multifunctional probes for in vivo imaging of caspase-3. <i>Chinese Chemical Letters</i> , 2021, 32, 168-178.	9.0	64
16	Recent development of near-infrared photoacoustic probes based on small-molecule organic dye. <i>RSC Chemical Biology</i> , 2021, 2, 743-758.	4.1	40
17	Engineering a Smart Nanofluidic Sensor for High-Performance Peroxynitrite Sensing through a Spirocyclic Ring Open/Close Reaction Strategy. <i>ACS Sensors</i> , 2021, 6, 808-814.	7.8	19
18	Advanced biotechnology-assisted precise sonodynamic therapy. <i>Chemical Society Reviews</i> , 2021, 50, 11227-11248.	38.1	219

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19	Highly Efficient Ionic Gating of Solid-State Nanosensors by the Reversible Interaction between Pillar[6]arene-AuNPs and Azobenzene. <i>Analytical Chemistry</i> , 2021, 93, 3280-3286.	6.5	20
20	Noninvasive <i>In Vivo</i> Imaging and Monitoring of 3D-Printed Polycaprolactone Scaffolds Labeled with an NIR Region II Fluorescent Dye. <i>ACS Applied Bio Materials</i> , 2021, 4, 3189-3202.	4.6	11
21	Association of ST6GAL1 and CYP19A1 polymorphisms in the 3'UTR with astrocytoma risk and prognosis in a Chinese Han population. <i>BMC Cancer</i> , 2021, 21, 391.	2.6	2
22	Multienzyme-Targeted Fluorescent Probe as a Biosensing Platform for Broad Detection of Pesticide Residues. <i>Analytical Chemistry</i> , 2021, 93, 7079-7085.	6.5	59
23	Primary ovarian serous carcinomas with extensive squamous differentiation: a case report and literature review. <i>BMC Women's Health</i> , 2021, 21, 193.	2.0	2
24	Rigidity Bridging Flexibility to Harmonize Three Excited-State Deactivation Pathways for NIR-II Fluorescent Imaging-Guided Phototherapy. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101003.	7.6	31
25	Biomedical applications of Pt(II) metallacycle/metallacage-based agents: From mono-chemotherapy to versatile imaging contrasts and theranostic platforms. <i>Coordination Chemistry Reviews</i> , 2021, 443, 214017.	18.8	57
26	Engineering the Redox-Driven Channel for Precisely Regulating Nanoconfined Glutathione Identification and Transport. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 49137-49145.	8.0	8
27	Influence of CMTM8 polymorphisms on lung cancer susceptibility in the Chinese Han population. <i>Pharmacogenetics and Genomics</i> , 2021, 31, 89-95.	1.5	1
28	The contribution of the and genetic polymorphisms to IgA nephropathy in the Chinese Han population. <i>American Journal of Translational Research (discontinued)</i> , 2021, 13, 11718-11727.	0.0	0
29	Association of polymorphisms in <i>LOC105377871</i> and <i>CASC16</i> with breast cancer in the northwest Chinese Han population. <i>Journal of Gene Medicine</i> , 2020, 22, e3131.	2.8	5
30	Near-Infrared Fluorescence/Photoacoustic Agent with an Intensifying Optical Performance for Imaging-Guided Effective Photothermal Therapy. <i>Advanced Therapeutics</i> , 2020, 3, 2000170.	3.2	25
31	The influence of CYP1A1 and CYP1A2 polymorphisms on stroke risk in the Chinese population. <i>Lipids in Health and Disease</i> , 2020, 19, 221.	3.0	8
32	Fabrication of a Smart Nanofluidic Biosensor through a Reversible Covalent Bond Strategy for High-Efficiency Bisulfite Sensing and Removal. <i>Analytical Chemistry</i> , 2020, 92, 4131-4136.	6.5	29
33	NIR-II emissive multifunctional AIEgen with single laser-activated synergistic photodynamic/photothermal therapy of cancers and pathogens. <i>Biomaterials</i> , 2020, 259, 120315.	11.4	103
34	Construction of a Smart Nanofluidic Sensor through a Redox Reaction Strategy for High-Performance Carbon Monoxide Sensing. <i>Analytical Chemistry</i> , 2020, 92, 14947-14952.	6.5	22
35	Variants in multiple genes are associated with esophageal cancer risk in a Chinese Han population: A case-control study. <i>Journal of Gene Medicine</i> , 2020, 22, e3266.	2.8	3
36	Pillar[5]arene-Containing Metallacycles and Host-Guest Interaction Caused Aggregation-Induced Emission Enhancement Platforms. <i>Journal of the American Chemical Society</i> , 2020, 142, 16930-16934.	13.7	44

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37	Facile Synthesis of Melanin-Dye Nanoagent for NIR-II Fluorescence/Photoacoustic Imaging-Guided Photothermal Therapy. International Journal of Nanomedicine, 2020, Volume 15, 10199-10213.	6.7	18
38	CYP24A1 rs1570669 Variant Has a Protective Effect against Tumors of the Urinary System. Public Health Genomics, 2020, 23, 200-209.	1.0	0
39	Association of GSDMC polymorphisms with lumbar disc herniation among Chinese Han population. International Journal of Immunogenetics, 2020, 47, 546-553.	1.8	10
40	Evaluation of genetic variants in <i>IL1B</i> and its interaction with the predisposition of osteoporosis in the northwestern Chinese Han population. Journal of Gene Medicine, 2020, 22, e3214.	2.8	14
41	An Activity-Based Fluorogenic Probe Enables Cellular and in Vivo Profiling of Carboxylesterase Isozymes. Analytical Chemistry, 2020, 92, 9205-9213.	6.5	37
42	Human Neutrophil Elastase Activated Fluorescent Probe for Pulmonary Diseases Based on Fluorescence Resonance Energy Transfer Using CdSe/ZnS Quantum Dots. ACS Nano, 2020, 14, 4244-4254.	14.6	30
43	Polymorphisms in <i>IL1A</i> are associated with endometrial cancer susceptibility among Chinese Han population: A case-control study. International Journal of Immunogenetics, 2020, 47, 169-174.	1.8	7
44	Engineering a NO-Regulated Nanofluidic Sensor through the Cyclization Reaction Strategy. Chemistry - A European Journal, 2020, 26, 11099-11103.	3.3	7
45	Recent advances in the development of NIR-II organic emitters for biomedicine. Coordination Chemistry Reviews, 2020, 415, 213318.	18.8	122
46	CASC15 polymorphisms are correlated with cervical cancer susceptibility in Chinese women. Molecular Genetics & Genomic Medicine, 2020, 8, e1246.	1.2	5
47	CYP2B6 Polymorphisms Are Associated with Ischemic Stroke Risk in a Chinese Han Population. Journal of Molecular Neuroscience, 2020, 70, 1130-1139.	2.3	1
48	MiR-143HG Gene Polymorphisms as Risk Factors for Gastric Cancer in Chinese Han Population. Current Molecular Medicine, 2020, 20, 536-547.	1.3	1
49	<i>IL1R2</i> Polymorphisms are Associated with Increased Risk of Esophageal Cancer. Current Molecular Medicine, 2020, 20, 379-387.	1.3	6
50	TIMP3 gene polymorphisms and relation to Ankylosing spondylitis susceptibility in Chinese Han population. International Journal of Immunogenetics, 2019, 46, 472-478.	1.8	1
51	Melanin-mediated delivery of metallacycle for NIR-II/photoacoustic dual-modal imaging-guided chemo-photothermal synergistic therapy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16729-16735.	7.1	141
52	COL6A3 polymorphisms were associated with lung cancer risk in a Chinese population. Respiratory Research, 2019, 20, 143.	3.6	11
53	Variants in COL6A3 gene influence susceptibility to esophageal cancer in the Chinese population. Cancer Genetics, 2019, 238, 23-30.	0.4	3
54	Rational design of a multifunctional molecular dye for dual-modal NIR-II/photoacoustic imaging and photothermal therapy. Chemical Science, 2019, 10, 8348-8353.	7.4	137

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55	Association between <i>ACYP2</i> polymorphisms and the risk of renal cell cancer. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2019, 7, e966.	1.2	6
56	LPP and RYR2 Gene Polymorphisms Correlate with the Risk and the Prognosis of Astrocytoma. <i>Journal of Molecular Neuroscience</i> , 2019, 69, 628-635.	2.3	8
57	Rational Design of a Multifunctional Molecular Dye with Single Dose and Laser for Efficiency NIR-II Fluorescence/Photoacoustic Imaging Guided Photothermal Therapy. <i>Analytical Chemistry</i> , 2019, 91, 12476-12483.	6.5	62
58	Fabrication of a Tyrosine-Responsive Liquid Quantum Dots Based Biosensor through Host-Guest Chemistry. <i>Analytical Chemistry</i> , 2019, 91, 13285-13289.	6.5	13
59	Rhomboidal Pt(II) metallacycle-based NIR-II theranostic nanoprobe for tumor diagnosis and image-guided therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1968-1973.	7.1	140
60	Associations between polymorphisms of the <i>ACYP2</i> gene and Liver cancer risk: A case-control study and meta-analysis. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2019, 7, e00716.	1.2	3
61	A nano-cocktail of an NIR-II emissive fluorophore and organoplatinum metallacycle for efficient cancer imaging and therapy. <i>Chemical Science</i> , 2019, 10, 7023-7028.	7.4	98
62	Recent advances on small-molecule fluorophores with emission beyond 1000 nm for better molecular imaging in vivo. <i>Chinese Chemical Letters</i> , 2019, 30, 1731-1737.	9.0	73
63	Genetic polymorphisms in <i>IL1R1</i> and <i>IL1R2</i> are associated with susceptibility to thyroid cancer in the Chinese Han population. <i>Journal of Gene Medicine</i> , 2019, 21, e3093.	2.8	10
64	A highly selective and recyclable NO-responsive nanochannel based on a spiroring opening-closing reaction strategy. <i>Nature Communications</i> , 2019, 10, 1323.	12.8	96
65	Beyond 1000 nm Emission Wavelength: Recent Advances in Organic and Inorganic Emitters for Deep-Tissue Molecular Imaging. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900260.	7.6	125
66	Switchable Nanochannel Biosensor for H <sub>2</sub> S Detection Based on an Azide Reduction Reaction Controlled BSA Aggregation. <i>Analytical Chemistry</i> , 2019, 91, 6149-6154.	6.5	45
67	Association between IL4 tagging single nucleotide polymorphisms and the risk of lung cancer in China. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2019, 7, e00585.	1.2	12
68	IL4 gene polymorphisms and their relation to steroid-induced osteonecrosis of the femoral head in Chinese population. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2019, 7, e563.	1.2	10
69	IL1R1 Polymorphisms are Associated with Lumbar Disc Herniation Risk in the Northwestern Chinese Han Population. <i>Medical Science Monitor</i> , 2019, 25, 3728-3738.	1.1	4
70	A photo-responsive macroscopic switch constructed using a chiral azo-calix[4]arene functionalized silicon surface. <i>Chemical Communications</i> , 2018, 54, 2978-2981.	4.1	24
71	Facile Cu-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
72	Dual T1 and T2 weighted magnetic resonance imaging based on Gd <sup>3+</sup> loaded bioinspired melanin dots. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1743-1752.	3.3	12

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73	Recent advances in near-infrared II fluorophores for multifunctional biomedical imaging. <i>Chemical Science</i> , 2018, 9, 4370-4380.	7.4	437
74	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
75	Recent development on peptide-based probes for multifunctional biomedical imaging. <i>Chinese Chemical Letters</i> , 2018, 29, 1093-1097.	9.0	38
76	PEGylation Regulates Self-Assembled Small-Molecule Dye-Based Probes from Single Molecule to Nanoparticle Size for Multifunctional NIR-II Bioimaging. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800973.	7.6	75
77	A biomimetic chiral-driven ionic gate constructed by pillar[6]arene-based host-guest systems. <i>Nature Communications</i> , 2018, 9, 2617.	12.8	119
78	Initiation of the inflammatory response after renal ischemia/reperfusion injury during renal transplantation. <i>International Urology and Nephrology</i> , 2018, 50, 2027-2035.	1.4	22
79	Low-latency and high-reliability performance analysis of relay systems. <i>IET Communications</i> , 2018, 12, 627-633.	2.2	3
80	Multimodality Molecular Imaging of Cardiovascular Disease Based on Nanoprobes. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 1401-1415.	1.6	14
81	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
82	Multifunctional Biomedical Imaging in Physiological and Pathological Conditions Using a NIR-II Probe. <i>Advanced Functional Materials</i> , 2017, 27, 1700995.	14.9	169
83	Near-Infrared Fluorescent Turn-on Probe with a Remarkable Large Stokes Shift for Imaging Selenocysteine in Living Cells and Animals. <i>Analytical Chemistry</i> , 2017, 89, 6106-6112.	6.5	99
84	Imaging: Multifunctional Biomedical Imaging in Physiological and Pathological Conditions Using a NIR-II Probe ( <i>Adv. Funct. Mater.</i> 23/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	0
85	Chelator-Free and Biocompatible Melanin Nanoplatform with Facile-Loading Gadolinium and Copper-64 for Bioimaging. <i>Bioconjugate Chemistry</i> , 2017, 28, 1925-1930.	3.6	32
86	Improved positron emission tomography imaging of glioblastoma cancer using novel <sup>68</sup> Ga-labeled peptides targeting the urokinase-type plasminogen activator receptor (uPAR). <i>Amino Acids</i> , 2017, 49, 1089-1100.	2.7	7
87	UPAR targeted molecular imaging of cancers with small molecule-based probes. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5179-5184.	3.0	29
88	Preclinical Study on GRPR-Targeted <sup>68</sup> Ga-Probes for PET Imaging of Prostate Cancer. <i>Bioconjugate Chemistry</i> , 2016, 27, 1857-1864.	3.6	27
89	Recyclable Cu(II)/melanin dots for cycloaddition, bioconjugation and cell labelling. <i>Chemical Science</i> , 2016, 7, 5888-5892.	7.4	27
90	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

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91	Zn <sup>2+</sup> and EDTA Cooperative Switchable Nanofluidic Diode Based on Asymmetric Modification of Single Nanochannel. <i>Chemistry - A European Journal</i> , 2016, 22, 4355-4358.	3.3	17
92	A small-molecule dye for NIR-II imaging. <i>Nature Materials</i> , 2016, 15, 235-242.	27.5	1,314
93	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
94	7, 8-Dihydroxyflavone induces synapse expression of AMPA GluA1 and ameliorates cognitive and spine abnormalities in a mouse model of fragile X syndrome. <i>Neuropharmacology</i> , 2015, 89, 43-53.	4.1	48
95	Pharmacophore-Based Virtual Screening and Experimental Validation of Novel Inhibitors against Cyanobacterial Fructose-1,6-/Sedoheptulose-1,7-bisphosphatase. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 894-901.	5.4	7
96	Chimaphilin induces apoptosis in human breast cancer MCF-7 cells through a ROS-mediated mitochondrial pathway. <i>Food and Chemical Toxicology</i> , 2014, 70, 1-8.	3.6	50
97	Aspidin PB, a phloroglucinol derivative, induces apoptosis in human hepatocarcinoma HepG2 cells by modulating PI3K/Akt/GSK3 $\beta$ pathway. <i>Chemico-Biological Interactions</i> , 2013, 201, 1-8.	4.0	19
98	Chiral colorimetric recognition of amino acids based on silver nanoparticle clusters. <i>New Journal of Chemistry</i> , 2012, 36, 1442.	2.8	49
99	Study on the interaction between cyanobacteria FBP/SBPase and metal ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 89, 337-344.	3.9	12
100	Design of a Metallacycle-Based Supramolecular Photosensitizer for In Vivo Image-Guided Photodynamic Inactivation of Bacteria. <i>Angewandte Chemie</i> , 0, , .	2.0	11