

# Jen-Shyang Ni

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64  
papers

1,231  
citations

23  
h-index

32  
g-index

67  
ext. papers

1,583  
ext. citations

9  
avg, IF

4.84  
L-index

#	Paper	IF	Citations
64	Promoted NIR-II Fluorescence by Heteroatom-Inserted Rigid-Planar Cores for Monitoring Cell Therapy of Acute Lung Injury (Small 1/2022). <i>Small</i> , <b>2022</b> , 18, 2270006	11	0
63	Promoted NIR-II Fluorescence by Heteroatom-Inserted Rigid-Planar Cores for Monitoring Cell Therapy of Acute Lung Injury. <i>Small</i> , <b>2021</b> , e2105362	11	7
62	Type I macrophage activator photosensitizer against hypoxic tumors. <i>Chemical Science</i> , <b>2021</b> , 12, 14773-14780	14.7	3
61	Isomeric Carbazole-Based Hole-Transporting Materials: Role of the Linkage Position on the Photovoltaic Performance of Perovskite Solar Cells. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 3286-3296	9.6	10
60	Influence of various dithienoheterocycles as conjugated linker in Naphtho[2,3-d][1,2,3]triazole-based organic dyes for dye-sensitized solar cells. <i>Dyes and Pigments</i> , <b>2021</b> , 188, 109220	4.6	4
59	NIR-II Absorbing Semiconducting Polymer-Triggered Gene-Directed Enzyme Prodrug Therapy for Cancer Treatment. <i>Small</i> , <b>2021</b> , 17, e2100501	11	3
58	Stable Perovskite Solar Cells Using Molecularly Engineered Functionalized Oligothiophenes as Low-Cost Hole-Transporting Materials. <i>Small</i> , <b>2021</b> , 17, e2100783	11	4
57	Photoacoustic Force-Guided Precise and Fast Delivery of Nanomedicine with Boosted Therapeutic Efficacy. <i>Advanced Science</i> , <b>2021</b> , 8, e2100228	13.6	3
56	A Multispectral Photoacoustic Tracking Strategy for Wide-Field and Real-Time Monitoring of Macrophages in Inflammation. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 8467-8475	7.8	2
55	Self-assembled AIEgen nanoparticles for multiscale NIR-II vascular imaging. <i>Biomaterials</i> , <b>2021</b> , 264, 120315	15	29
54	Acceptor Engineering for Optimized ROS Generation Facilitates Reprogramming Macrophages to M1 Phenotype in Photodynamic Immunotherapy. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 5446-5453	3.6	5
53	Facile star-shaped tetraphenylethylene-based molecules with fused ring-terminated diarylamine as interfacial hole transporting materials for inverted perovskite solar cells. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 1373-1387	7.8	4
52	Acceptor Engineering for Optimized ROS Generation Facilitates Reprogramming Macrophages to M1 Phenotype in Photodynamic Immunotherapy. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 5386-5393	16.4	28
51	Solution-Processable Multifused Thiophene Small Molecules and Conjugated Polymer Semiconducting Blend for Organic Field Effect Transistor Application. <i>Advanced Materials Technologies</i> , <b>2021</b> , 6, 2001028	6.8	7
50	Efficient and precise delivery of microRNA by photoacoustic force generated from semiconducting polymer-based nanocarriers. <i>Biomaterials</i> , <b>2021</b> , 275, 120907	15.6	6
49	NIR-II Fluorescent Brightness Promoted by "Ring Fusion" for the Detection of Intestinal Inflammation. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13085-13091	4.8	5
48	Monitoring tumor growth with a novel NIR-II photoacoustic probe. <i>Methods in Enzymology</i> , <b>2021</b> , 657, 181-222	1.7	

47	A Photoinduced Nonadiabatic Decay-Guided Molecular Motor Triggers Effective Photothermal Conversion for Cancer Therapy. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 11394-11398	3.6	9
46	Thioalkyl-Functionalized Bithiophene (SBT)-Based Organic Sensitizers for High-Performance Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 15071-15079	9.5	12
45	Planar AIEgens with Enhanced Solid-State Luminescence and ROS Generation for Multidrug-Resistant Bacteria Treatment. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 10265-10271	3.6	4
44	Planar AIEgens with Enhanced Solid-State Luminescence and ROS Generation for Multidrug-Resistant Bacteria Treatment. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 10179-10185	16.4	46
43	Centimeter-Deep NIR-II Fluorescence Imaging with Nontoxic AIE Probes in Nonhuman Primates. <i>Research</i> , <b>2020</b> , 2020, 4074593	7.8	19
42	Nanoparticle-based Cell Trackers for Biomedical Applications. <i>Theranostics</i> , <b>2020</b> , 10, 1923-1947	12.1	40
41	Metal-free efficient dye-sensitized solar cells based on thioalkylated bithiophenyl organic dyes. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 15322-15330	7.1	11
40	An Ester-Substituted Semiconducting Polymer with Efficient Nonradiative Decay Enhances NIR-II Photoacoustic Performance for Monitoring of Tumor Growth. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 23268-23276	16.4	40
39	Sub-10 nm Aggregation-Induced Emission Quantum Dots Assembled by Microfluidics for Enhanced Tumor Targeting and Reduced Retention in the Liver. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 22083-22087	3.6	7
38	An Ester-Substituted Semiconducting Polymer with Efficient Nonradiative Decay Enhances NIR-II Photoacoustic Performance for Monitoring of Tumor Growth. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 23468-23476	3.6	6
37	Sub-10 nm Aggregation-Induced Emission Quantum Dots Assembled by Microfluidics for Enhanced Tumor Targeting and Reduced Retention in the Liver. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 21899-21903	16.4	21
36	A Photoinduced Nonadiabatic Decay-Guided Molecular Motor Triggers Effective Photothermal Conversion for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 11298-11302	16.4	40
35	Benzodithiophene Hole-Transporting Materials for Efficient Tin-Based Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1905393	15.6	28
34	Pyrene-based aggregation-induced emission luminogens (AIEgen): structure correlated with particle size distribution and mechanochromism. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6932-6940	7.1	27
33	SwissKnife-Inspired Multifunctional Fluorescence Probes for Cellular Organelle Targeting Based on Simple AIEgens. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 2169-2176	7.8	31
32	Red/NIR-Emissive Benzo[d]imidazole-Cored AIEgens: Facile Molecular Design for Wavelength Extending and In Vivo Tumor Metabolic Imaging. <i>Advanced Materials</i> , <b>2018</b> , 30, e1805220	24	78
31	The unusual aggregation-induced emission of coplanar organoboron isomers and their lipid droplet-specific applications. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 1498-1507	7.8	47
30	Metal-free branched alkyl tetrathienoacene (TTAR)-based sensitizers for high-performance dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 12310-12321	13	45

29	High performance solution-processable tetrathienoacene (TTAR) based small molecules for organic field effect transistors (OFETs). <i>Chemical Communications</i> , <b>2017</b> , 53, 5898-5901	5.8	24
28	Solution-Processable Dithienothiophenoquinoid (DTTQ) Structures for Ambient-Stable n-Channel Organic Field Effect Transistors. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606761	15.6	44
27	Benzimidazole/Pyridoimidazole-Based Organic Sensitizers for High-Performance Dye-Sensitized Solar Cells. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 996-1004	4.5	12
26	Solution-processable end-functionalized tetrathienoacene semiconductors: Synthesis, characterization and organic field effect transistors applications. <i>Dyes and Pigments</i> , <b>2017</b> , 145, 584-590	4.6	11
25	Organic Photosensitizers Incorporating Rigidified Dithieno[3,2-f:2'3'Rh]quinoxaline Segment Tethered with Thiophene Substitutes for Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 23066-73	9.5	23
24	Near-Infrared-Absorbing and Dopant-Free Heterocyclic Quinoid-Based Hole-Transporting Materials for Efficient Perovskite Solar Cells. <i>ChemSusChem</i> , <b>2016</b> , 9, 3139-3144	8.3	21
23	Synthesis and characterization of solution-processable diketopyrrolopyrrole (DPP) and tetrathienothiophene (TTA)-based small molecules for organic thin film transistors and organic photovoltaic cells. <i>Dyes and Pigments</i> , <b>2016</b> , 133, 280-291	4.6	18
22	Naphtho[2,3-c][1,2,5]thiadiazole and 2H-Naphtho[2,3-d][1,2,3]triazole-Containing D-A- $\pi$ A Conjugated Organic Dyes for Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6117-26	9.5	32
21	Functionalized soluble triethylsilylethynyl anthradithiophenes (TESADTs) for organic electronic devices. <i>Dyes and Pigments</i> , <b>2016</b> , 126, 261-269	4.6	3
20	Bipolar transport materials for electroluminescence applications. <i>Organic Electronics</i> , <b>2016</b> , 30, 265-274	3.5	4
19	Organic sensitizers with a rigid dithienobenzotriazole-based spacer for high-performance dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 6553-6560	13	37
18	Synthesis and characterization of two-photon active chromophores based on asymmetrically substituted tetrathienoacene scaffolds. <i>Dyes and Pigments</i> , <b>2016</b> , 133, 65-72	4.6	2
17	Organic Dyes Incorporating the Dithieno[3,2-f:2'3'Rh]quinoxaline Moiety for Dye-Sensitized Solar Cells. <i>ChemSusChem</i> , <b>2015</b> , 8, 2932-9	8.3	33
16	Organic dyes with a fused segment comprising benzotriazole and thieno[3,2-b]pyrrole entities as the conjugated spacer for high performance dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2015</b> , 51, 17080-3	5.8	48
15	2H-[1,2,3]Triazolo[4,5-c]pyridine Cored Organic Dyes Achieving a High Efficiency: a Systematic Study of the Effect of Different Donors and $\pi$ Spacers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 22046-57	9.5	19
14	Eugenic metal-free sensitizers with double anchors for high performance dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2015</b> , 51, 2152-5	5.8	85
13	Anthracene/phenothiazine $\pi$ conjugated sensitizers for dye-sensitized solar cells using redox mediator in organic and water-based solvents. <i>ChemSusChem</i> , <b>2015</b> , 8, 105-13	8.3	34
12	Imidazole-Based Sensitizers Containing Double Anchors for Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 7367-7377	3.2	23

11	Synthesis and characterization of novel symmetrical two-photon chromophores derived from bis(triphenylaminotetrathienoacetyl) and fused-thiophene units. <i>RSC Advances</i> , <b>2015</b> , 5, 54003-54010	3.7	7
10	Phenothiazinedioxide-conjugated sensitizers and a dual-TEMPO/iodide redox mediator for dye-sensitized solar cells. <i>ChemSusChem</i> , <b>2014</b> , 7, 2221-9	8.3	12
9	Tetrasubstituted-pyrene derivatives for electroluminescent application. <i>Organic Electronics</i> , <b>2014</b> , 15, 2148-2157	3.5	7
8	Organic dyes incorporating the dithieno[3,2-b:4,5-b']benzo[1,2-c]furan moiety for dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 22612-21	9.5	29
7	Photovoltaic performance of ruthenium complex dye associated with number and position of carboxyl groups on bipyridine ligands. <i>Materials Chemistry and Physics</i> , <b>2013</b> , 142, 420-427	4.4	5
6	Ruthenium complex dye with designed ligand capable of chelating triiodide anion for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 3463	13	14
5	Photovoltaic properties of dye-sensitized solar cells associated with amphiphilic structure of ruthenium complex dyes. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 372, 73-9	9.3	17
4	Effects of tethering alkyl chains for amphiphilic ruthenium complex dyes on their adsorption to titanium oxide and photovoltaic properties. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 386, 359-65	9.3	21
3	Boosting Cyanobacteria Growth by Fivefold with Aggregation-Induced Emission Luminogens: Toward the Development of a Biofactory. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	2
2	Heteroalkyl-Substitution in Molecular Organic Semiconductors: Chalcogen Effect on Crystallography, Conformational Lock, and Charge Transport. <i>Advanced Functional Materials</i> , 2200880	15.6	6
1	2,3-Diphenylthieno[3,4-b]pyrazines as Hole-Transporting Materials for Stable, High-Performance Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2118-2127	20.1	4