Jen-Shyang Ni

List of Publications by Year
in descending order

67	1,932	218677	276875
papers	citations	26 h-index	41 g-index

67	67	67	2239
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Red/NIRâ€Emissive Benzo[d]imidazoleâ€Cored AIEgens: Facile Molecular Design for Wavelength Extending and In Vivo Tumor Metabolic Imaging. Advanced Materials, 2018, 30, e1805220.	21.0	106
2	Acceptor Engineering for Optimized ROS Generation Facilitates Reprogramming Macrophages to M1 Phenotype in Photodynamic Immunotherapy. Angewandte Chemie - International Edition, 2021, 60, 5386-5393.	13.8	103
3	Eugenic metal-free sensitizers with double anchors for high performance dye-sensitized solar cells. Chemical Communications, 2015, 51, 2152-2155.	4.1	90
4	An Esterâ€Substituted Semiconducting Polymer with Efficient Nonradiative Decay Enhances NIRâ€II Photoacoustic Performance for Monitoring of Tumor Growth. Angewandte Chemie - International Edition, 2020, 59, 23268-23276.	13.8	76
5	Planar AIEgens with Enhanced Solidâ€State Luminescence and ROS Generation for Multidrugâ€Resistant Bacteria Treatment. Angewandte Chemie - International Edition, 2020, 59, 10179-10185.	13.8	76
6	A Photoinduced Nonadiabatic Decayâ€Guided Molecular Motor Triggers Effective Photothermal Conversion for Cancer Therapy. Angewandte Chemie - International Edition, 2020, 59, 11298-11302.	13.8	73
7	Solutionâ€Processable Dithienothiophenoquinoid (DTTQ) Structures for Ambientâ€Stable nâ€Channel Organic Field Effect Transistors. Advanced Functional Materials, 2017, 27, 1606761.	14.9	62
8	The unusual aggregation-induced emission of coplanar organoboron isomers and their lipid droplet-specific applications. Materials Chemistry Frontiers, 2018, 2, 1498-1507.	5.9	61
9	Nanoparticle-based Cell Trackers for Biomedical Applications. Theranostics, 2020, 10, 1923-1947.	10.0	61
10	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. Chemical Communications, 2015, 51, 17080-17083.	4.1	58
11	Metal-free branched alkyl tetrathienoacene (TTAR)-based sensitizers for high-performance dye-sensitized solar cells. Journal of Materials Chemistry A, 2017, 5, 12310-12321.	10.3	55
12	Self-assembled AIEgen nanoparticles for multiscale NIR-II vascular imaging. Biomaterials, 2021, 264, 120365.	11.4	54
13	Pyrene-based aggregation-induced emission luminogens (AIEgen): structure correlated with particle size distribution and mechanochromism. Journal of Materials Chemistry C, 2019, 7, 6932-6940.	5.5	53
14	Benzodithiophene Holeâ€Transporting Materials for Efficient Tinâ€Based Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1905393.	14.9	49
15	Subâ€10â€…nm Aggregationâ€Induced Emission Quantum Dots Assembled by Microfluidics for Enhanced Tumor Targeting and Reduced Retention in the Liver. Angewandte Chemie - International Edition, 2020, 59, 21899-21903.	13.8	45
16	Organic sensitizers with a rigid dithienobenzotriazole-based spacer for high-performance dye-sensitized solar cells. Journal of Materials Chemistry A, 2016, 4, 6553-6560.	10.3	44
17	SwissKnife-Inspired Multifunctional Fluorescence Probes for Cellular Organelle Targeting Based on Simple AIEgens. Analytical Chemistry, 2019, 91, 2169-2176.	6.5	40
18	Naphtho[2,3-c][1,2,5]thiadiazole and 2H-Naphtho[2,3-d][1,2,3]triazole-Containing Dâ€“Aâ€“Iâ€“A Conjugated Organic Dyes for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 6117-6126.	8.0	38

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19	Anthracene/Phenothiazine Ï€â€Conjugated Sensitizers for Dyeâ€Sensitized Solar Cells using Redox Mediator in Organic and Waterâ€based Solvents. ChemSusChem, 2015, 8, 105-113.	6.8	36
20	Organic Dyes Incorporating the Dithieno[3,2â€f:2â€²,3â€²â€h]quinoxaline Moiety for Dyeâ€Sensitized Solar Cells. ChemSusChem, 2015, 8, 2932-2939.	6.8	34
21	Centimeter-Deep NIR-II Fluorescence Imaging with Nontoxic AIE Probes in Nonhuman Primates. Research, 2020, 2020, 4074593.	5.7	33
22	Organic Dyes Incorporating the Dithieno[3â€²,2â€²:3,4;2â€³,3â€³:5,6]benzo[1,2-c]furazan Moiety for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 22612-22621.	8.0	30
23	Imidazoleâ€Based Sensitizers Containing Double Anchors for Dyeâ€Sensitized Solar Cells. European Journal of Organic Chemistry, 2015, 2015, 7367-7377.	2.4	30
24	Synthesis and characterization of solution-processable diketopyrrolopyrrole (DPP) and tetrathienothiophene (TTA)-based small molecules for organic thin film transistors and organic photovoltaic cells. Dyes and Pigments, 2016, 133, 280-291.	3.7	28
25	High performance solution-processable tetrathienoacene (TTAR) based small molecules for organic field effect transistors (OFETs). Chemical Communications, 2017, 53, 5898-5901.	4.1	28
26	Thioalkyl-Functionalized Bithiophene (SBT)-Based Organic Sensitizers for High-Performance Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 15071-15079.	8.0	27
27	2,3-Diphenylthieno[3,4-b]pyrazines as Hole-Transporting Materials for Stable, High-Performance Perovskite Solar Cells. ACS Energy Letters, 2022, 7, 2118-2127.	17.4	27
28	Organic Photosensitizers Incorporating Rigidified Dithieno[3,2-f:2â€²,3â€²-h]quinoxaline Segment Tethered with Thiophene Substitutes for Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 23066-23073.	8.0	25
29	Isomeric Carbazole-Based Hole-Transporting Materials: Role of the Linkage Position on the Photovoltaic Performance of Perovskite Solar Cells. Chemistry of Materials, 2021, 33, 3286-3296.	6.7	25
30	Nearâ€Infraredâ€Absorbing and Dopantâ€Free Heterocyclic Quinoidâ€Based Holeâ€Transporting Materials for Efficient Perovskite Solar Cells. ChemSusChem, 2016, 9, 3139-3144.	6.8	23
31	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 Ï€ Spacers. ACS Applied Materials & Interfaces, 2015, 7, 22046-22057.	8.0	22
32	Heteroalkylâ€Substitution in Molecular Organic Semiconductors: Chalcogen Effect on Crystallography, Conformational Lock, and Charge Transport. Advanced Functional Materials, 2022, 32, .	14.9	22
33	Effects of tethering alkyl chains for amphiphilic ruthenium complex dyes on their adsorption to titanium oxide and photovoltaic properties. Journal of Colloid and Interface Science, 2012, 386, 359-365.	9.4	21
34	Metal-free efficient dye-sensitized solar cells based on thioalkylated bithiophenyl organic dyes. Journal of Materials Chemistry C, 2020, 8, 15322-15330.	5.5	20
35	Acceptor engineering of small-molecule fluorophores for NIR-II fluorescence and photoacoustic imaging. Journal of Materials Chemistry B, 2021, 9, 9951-9960.	5.8	20
36	Stable Perovskite Solar Cells Using Molecularly Engineered Functionalized Oligothiophenes as Lowâ€Cost Holeâ€Transporting Materials. Small, 2021, 17, e2100783.	10.0	19

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37	Promoted NIRâ€Ⅱ Fluorescence by Heteroatomâ€Inserted Rigidâ€Planar Cores for Monitoring Cell Therapy of Acute Lung Injury. Small, 2022, 18, e2105362.	10.0	19
38	Photovoltaic properties of dye-sensitized solar cells associated with amphiphilic structure of ruthenium complex dyes. Journal of Colloid and Interface Science, 2012, 372, 73-79.	9.4	18
39	NIRâ€Ⅱ Fluorescent Brightness Promoted by â€œRing Fusionâ€•for the Detection of Intestinal Inflammation. Chemistry - A European Journal, 2021, 27, 13085-13091.	3.3	18
40	Type I macrophage activator photosensitizer against hypoxic tumors. Chemical Science, 2021, 12, 14773-14780.	7.4	18
41	Ruthenium complex dye with designed ligand capable of chelating triiodide anion for dye-sensitized solar cells. Journal of Materials Chemistry A, 2013, 1, 3463.	10.3	16
42	A Photoinduced Nonadiabatic Decayâ€Guided Molecular Motor Triggers Effective Photothermal Conversion for Cancer Therapy. Angewandte Chemie, 2020, 132, 11394-11398.	2.0	15
43	NIRâ€Ⅱ Absorbing Semiconducting Polymerâ€Triggered Geneâ€Directed Enzyme Prodrug Therapy for Cancer Treatment. Small, 2021, 17, e2100501.	10.0	15
44	Efficient and precise delivery of microRNA by photoacoustic force generated from semiconducting polymer-based nanocarriers. Biomaterials, 2021, 275, 120907.	11.4	15
45	Benzimidazole/Pyridoimidazoleâ€Based Organic Sensitizers for Highâ€Performance Dyeâ€Sensitized Solar Cells. Chemistry - an Asian Journal, 2017, 12, 996-1004.	3.3	14
46	Solution-processable end-functionalized tetrathienoacene semiconductors: Synthesis, characterization and organic field effect transistors applications. Dyes and Pigments, 2017, 145, 584-590.	3.7	14
47	Solutionâ€Processable Multifused Thiophene Small Molecules and Conjugated Polymer Semiconducting Blend for Organic Field Effect Transistor Application. Advanced Materials Technologies, 2021, 6, 2001028.	5.8	14
48	Phenothiazinedioxideâ€Conjugated Sensitizers and a Dualâ€TEMPO/Iodide Redox Mediator for Dyeâ€Sensitized Solar Cells. ChemSusChem, 2014, 7, 2221-2229.	6.8	12
49	Facile star-shaped tetraphenylethylene-based molecules with fused ring-terminated diarylamine as interfacial hole transporting materials for inverted perovskite solar cells. Materials Chemistry Frontiers, 2021, 5, 1373-1387.	5.9	11
50	Influence of various dithienoheterocycles as conjugated linker in Naphtho[2,3-d] [1,2,3]triazole-based organic dyes for dye-sensitized solar cells. Dyes and Pigments, 2021, 188, 109220.	3.7	11
51	A Multispectral Photoacoustic Tracking Strategy for Wide-Field and Real-Time Monitoring of Macrophages in Inflammation. Analytical Chemistry, 2021, 93, 8467-8475.	6.5	11
52	Dicyclopentadithienothiophene (DCDTT)-based organic semiconductor assisted grain boundary passivation for highly efficient and stable perovskite solar cells. Journal of Materials Chemistry A, 2022, 10, 11254-11267.	10.3	11
53	Tetrasubstituted-pyrene derivatives for electroluminescent application. Organic Electronics, 2014, 15, 2148-2157.	2.6	9
54	Acceptor Engineering for Optimized ROS Generation Facilitates Reprogramming Macrophages to M1 Phenotype in Photodynamic Immunotherapy. Angewandte Chemie, 2021, 133, 5446-5453.	2.0	9

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55	Boosting Cyanobacteria Growth by Fivefold with Aggregation-Induced Emission Luminogens: Toward the Development of a Biofactory. ACS Sustainable Chemistry and Engineering, 2021, 9, 15258-15266.	6.7	9
56	Subâ€10â€…nm Aggregationâ€Induced Emission Quantum Dots Assembled by Microfluidics for Enhanced Tumor Targeting and Reduced Retention in the Liver. Angewandte Chemie, 2020, 132, 22083-22087.	2.0	8
57	Triarylamine-Functionalized Imidazolyl-Capped Bithiophene Hole Transporting Material for Cost-Effective Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 22053-22060.	8.0	8
58	Synthesis and characterization of novel symmetrical two-photon chromophores derived from bis(triphenylaminotetrathienoacenyl) and fused-thiophene units. RSC Advances, 2015, 5, 54003-54010.	3.6	7
59	An Esterâ€Substituted Semiconducting Polymer with Efficient Nonradiative Decay Enhances NIRâ€II Photoacoustic Performance for Monitoring of Tumor Growth. Angewandte Chemie, 2020, 132, 23468-23476.	2.0	7
60	Photoacoustic Forceâ€Guided Precise and Fast Delivery of Nanomedicine with Boosted Therapeutic Efficacy. Advanced Science, 2021, 8, 2100228.	11.2	6
61	Photovoltaic performance of ruthenium complex dye associated with number and position of carboxyl groups on bipyridine ligands. Materials Chemistry and Physics, 2013, 142, 420-427.	4.0	5
62	Bipolar transport materials for electroluminescence applications. Organic Electronics, 2016, 30, 265-274.	2.6	5
63	Planar AIEgens with Enhanced Solidâ€State Luminescence and ROS Generation for Multidrugâ€Resistant Bacteria Treatment. Angewandte Chemie, 2020, 132, 10265-10271.	2.0	5
64	Functionalized soluble triethylsilylethynyl anthradithiophenes (TESADTs) for organic electronic devices. Dyes and Pigments, 2016, 126, 261-269.	3.7	4
65	Synthesis and characterization of two-photon active chromophores based on asymmetrically substituted tetrathienoacene scaffolds. Dyes and Pigments, 2016, 133, 65-72.	3.7	3
66	Promoted NIRâ€II Fluorescence by Heteroatomâ€Inserted Rigidâ€Planar Cores for Monitoring Cell Therapy of Acute Lung Injury (Small 1/2022). Small, 2022, 18, .	10.0	1
67	Monitoring tumor growth with a novel NIR-II photoacoustic probe. Methods in Enzymology, 2021, 657, 181-222.	1.0	0