

# Man Shing Wong

## List of Publications by Year in descending order

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408  
papers

17,995  
citations

14614

66  
h-index

21474

114  
g-index

419  
all docs

419  
docs citations

419  
times ranked

18010  
citing authors

#	ARTICLE	IF	CITATIONS
1	A stable solution-processed polymer semiconductor with record high-mobility for printed transistors. <i>Scientific Reports</i> , 2012, 2, 754.	1.6	800
2	Highly $\pi$ - $\pi$ Extended Copolymers with Diketopyrrolopyrrole Moieties for High-Performance Field-Effect Transistors. <i>Advanced Materials</i> , 2012, 24, 4618-4622.	11.1	707
3	Efficient blue emission from siloles. <i>Journal of Materials Chemistry</i> , 2001, 11, 2974-2978.	6.7	590
4	Functional Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2010, 22, 4427-4447.	11.1	526
5	Structures, Electronic States, Photoluminescence, and Carrier Transport Properties of 1,1-Disubstituted 2,3,4,5-Tetraphenylsiloles. <i>Journal of the American Chemical Society</i> , 2005, 127, 6335-6346.	6.6	490
6	Patterned Graphene as Source/Drain Electrodes for Bottom-Contact Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2008, 20, 3289-3293.	11.1	373
7	Electro-optic properties of the organic salt 4-N,N-dimethylamino-4'-N-methylstilbazolium tosylate. <i>Applied Physics Letters</i> , 1996, 69, 13-15.	1.5	348
8	A Highly $\pi$ -Stacked Organic Semiconductor for Field-Effect Transistors Based on Linearly Condensed Pentathienoacene. <i>Journal of the American Chemical Society</i> , 2005, 127, 13281-13286.	6.6	334
9	Structures, Electronic States, and Electroluminescent Properties of a Zinc(II) 2-(2-Hydroxyphenyl)benzothiazolate Complex. <i>Journal of the American Chemical Society</i> , 2003, 125, 14816-14824.	6.6	296
10	Experimental Techniques for the Fabrication and Characterization of Organic Thin Films for Field-Effect Transistors. <i>Chemical Reviews</i> , 2011, 111, 3358-3406.	23.0	241
11	Robust microscale superlubricity under high contact pressure enabled by graphene-coated microsphere. <i>Nature Communications</i> , 2017, 8, 14029.	5.8	235
12	Crystal growth and characterization of the organic salt 4-N, N-dimethylamino-4'-N-methyl-stilbazolium tosylate (dast). <i>Advanced Materials</i> , 1996, 8, 592-595.	11.1	197
13	Highly Selective Two-Photon Fluorescent Probe for Ratiometric Sensing and Imaging Cysteine in Mitochondria. <i>Analytical Chemistry</i> , 2016, 88, 1908-1914.	3.2	184
14	Self-organized graphene crystal patterns. <i>NPG Asia Materials</i> , 2013, 5, e36-e36.	3.8	153
15	Reduction of graphene oxide to highly conductive graphene by Lawesson's reagent and its electrical applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3104.	2.7	150
16	Novel Functional Conjugative Hyperbranched Polymers with Aggregation-Induced Emission: Synthesis Through One-Pot $A_{2+}B_{4}$ -Polymerization and Application as Explosive Chemosensors and PLEDs. <i>Macromolecular Rapid Communications</i> , 2012, 33, 164-171.	2.0	135
17	Ligand promoted palladium-catalyzed homo-coupling of arylboronic acids. <i>Tetrahedron Letters</i> , 2001, 42, 4087-4089.	0.7	133
18	Graphene-coated silica as a highly efficient sorbent for residual organophosphorus pesticides in water. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1875-1884.	5.2	133

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19	New Host Containing Bipolar Carrier Transport Moiety for High-Efficiency Electrophosphorescence at Low Voltages. <i>Advanced Materials</i> , 2009, 21, 688-692.	11.1	132
20	A conjugated hyperbranched polymer constructed from carbazole and tetraphenylethylene moieties: convenient synthesis through one-pot $A_2 + B_4$ -Suzuki polymerization, aggregation-induced enhanced emission, and application as explosive chemosensors and PLEDs. <i>Journal of Materials Chemistry</i> , 2012, 22, 6374.	6.7	132
21	Synthesis and Properties of Multi-Triarylamine-Substituted Carbazole-Based Dendrimers with an Oligothiophene Core for Potential Applications in Organic Solar Cells and Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2006, 18, 6194-6203.	3.2	129
22	Non-classical donor-acceptor chromophores for second order nonlinear optics. <i>Advanced Materials</i> , 1996, 8, 677-680.	11.1	127
23	Efficient Deep-Blue Organic Light-Emitting Diodes: Arylamine-Substituted Oligofluorenes. <i>Advanced Functional Materials</i> , 2007, 17, 3194-3199.	7.8	125
24	Novel Electroactive and Photoactive Molecular Materials Based on Conjugated Donor-Acceptor Structures for Optoelectronic Device Applications. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10786-10792.	1.2	124
25	Full Emission Color Tuning in Bis-Dipolar Diphenylamino-Endcapped Oligoarylfluorenes. <i>Chemistry of Materials</i> , 2005, 17, 5032-5040.	3.2	123
26	Synthesis of large-area, few-layer graphene on iron foil by chemical vapor deposition. <i>Nano Research</i> , 2011, 4, 1208-1214.	5.8	120
27	Naphthalenediimide-Based Copolymers Incorporating Vinyl-Linkages for High-Performance Ambipolar Field-Effect Transistors and Complementary-Like Inverters under Air. <i>Chemistry of Materials</i> , 2013, 25, 3589-3596.	3.2	119
28	X-Shaped Oligothiophenes as a New Class of Electron Donors for Bulk-Heterojunction Solar Cells. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7702-7707.	1.2	118
29	Direct CVD Graphene Growth on Semiconductors and Dielectrics for Transfer-Free Device Fabrication. <i>Advanced Materials</i> , 2016, 28, 4956-4975.	11.1	113
30	8.78% Efficient All-Polymer Solar Cells Enabled by Polymer Acceptors Based on a $B_4N$ Embedded Electron-Deficient Unit. <i>Advanced Materials</i> , 2019, 31, e1904585.	11.1	113
31	Inhibition of Beta-Amyloid Peptide Aggregation by Multifunctional Carbazole-Based Fluorophores. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1804-1810.	7.2	110
32	Diaza-indigo-Based Polymers with High-Performance Charge-Transport Properties: From Computational Screening to Experimental Characterization. <i>Chemistry of Materials</i> , 2016, 28, 2209-2218.	3.2	110
33	Crystal engineering of molecular NLO materials. <i>Advanced Materials</i> , 1997, 9, 837-842.	11.1	109
34	Donor-Acceptor-Substituted Phenylethenyl Bithiophenes: A Highly Efficient and Stable Nonlinear Optical Chromophores. <i>Organic Letters</i> , 1999, 1, 1847-1849.	2.4	109
35	Cyanines as New Fluorescent Probes for DNA Detection and Two-Photon Excited Bioimaging. <i>Organic Letters</i> , 2010, 12, 2194-2197.	2.4	109
36	Three-Dimensional Graphene Networks with Abundant Sharp Edge Sites for Efficient Electrocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 192-197.	7.2	106

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37	Indolo[3,2,1 <i>jk</i> ]carbazole Embedded Multiple-Resonance Fluorophors for Narrowband Deep-Blue Electroluminescence with EQE <sup>int</sup> 34.7% and CIE <sub>y</sub> 0.085. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12269-12273.		106
38	Ratiometric Emission Fluorescent pH Probe for Imaging of Living Cells in Extreme Acidity. <i>Analytical Chemistry</i> , 2015, 87, 2788-2793.	3.2	105
39	Synthesis and Light-Emitting Properties of Bipolar Oligofluorenes Containing Triarylamine and 1,2,4-Triazole Moieties. <i>Organic Letters</i> , 2006, 8, 4271-4274.	2.4	102
40	High Efficiency and Small Roll-Off Electrophosphorescence from a New Iridium Complex with Well-Matched Energy Levels. <i>Advanced Materials</i> , 2008, 20, 774-778.	11.1	100
41	A Novel and Perfectly Aligned Highly Electro-Optic Organic Cocrystal of a Merocyanine Dye and 2,4-Dihydroxybenzaldehyde. <i>Journal of the American Chemical Society</i> , 1996, 118, 6315-6316.	6.6	99
42	Efficient Three-Photon Excited Deep Blue Photoluminescence and Lasing of Diphenylamino and 1,2,4-Triazole Endcapped Oligofluorenes. <i>Journal of the American Chemical Society</i> , 2009, 131, 886-887.	6.6	99
43	Bis-Diketopyrrolopyrrole Moiety as a Promising Building Block to Enable Balanced Ambipolar Polymers for Flexible Transistors. <i>Advanced Materials</i> , 2017, 29, 1606162.	11.1	99
44	Strong Luminescent Iridium Complexes with C≡N=N Structure in Ligands and Their Potential in Efficient and Thermally Stable Phosphorescent OLEDs. <i>Advanced Materials</i> , 2009, 21, 339-343.	11.1	96
45	Third-order optical nonlinearities of oligomers, dendrimers and polymers derived from solution Z-scan studies. <i>Optical Materials</i> , 2003, 21, 485-488.	1.7	95
46	High-Performance Organic Field-Effect Transistors with Low-Cost Copper Electrodes. <i>Advanced Materials</i> , 2008, 20, 1286-1290.	11.1	91
47	Synthesis, Structure, and Catalytic Activity of Palladium(II) Complexes of New CNC Pincer-Type N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2008, 27, 2268-2272.	1.1	90
48	Diphenylamino End-Capped Oligofluorenes with Enhanced Functional Properties for Blue Light Emission: Synthesis and Structure-Property Relationships. <i>Chemistry - A European Journal</i> , 2005, 11, 3285-3293.	1.7	89
49	Hierarchy of graphene wrinkles induced by thermal strain engineering. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	87
50	Synthesis, Characterization, and Field-Effect Transistor Performance of Thieno[3,2 <i>bc</i> ]thieno[2,3 <i>cd</i> ]thiophene Derivatives. <i>Advanced Functional Materials</i> , 2009, 19, 772-778.	1.9	85
51	Synthesis and Functional Properties of End-Dendronized Oligo(9,9-diphenyl)fluorenes. <i>Organic Letters</i> , 2006, 8, 1499-1502.	2.4	84
52	Solution processed organic field-effect transistors and their application in printed logic circuits. <i>Journal of Materials Chemistry</i> , 2010, 20, 7059.	6.7	82
53	High-Performance Organic Transistor Memory Elements with Steep Flanks of Hysteresis. <i>Advanced Functional Materials</i> , 2008, 18, 2593-2601.	7.8	81
54	Multiphoton Excited Fluorescent Materials for Frequency Upconversion Emission and Fluorescent Probes. <i>Advanced Materials</i> , 2014, 26, 5400-5428.	11.1	80

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55	A theranostic agent for in vivo near-infrared imaging of $\beta$ -amyloid species and inhibition of $\beta$ -amyloid aggregation. <i>Biomaterials</i> , 2016, 94, 84-92.	5.7	79
56	Wide-Energy-Gap Host Materials for Blue Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2009, 21, 1333-1342.	3.2	77
57	Active Morphology Control for Concomitant Long Distance Spin Transport and Photoresponse in a Single Organic Device. <i>Advanced Materials</i> , 2016, 28, 2609-2615.	11.1	77
58	Donor-Acceptor Oligothiophenes as Low Optical Gap Chromophores for Photovoltaic Applications. <i>Advanced Materials</i> , 2008, 20, 4810-4815.	11.1	75
59	Naphtho[1,2-b:5,6-b']dithiophene-Based Donor-Acceptor Copolymer Semiconductors for High-Mobility Field-Effect Transistors and Efficient Polymer Solar Cells. <i>Macromolecules</i> , 2013, 46, 3358-3366.	2.2	75
60	Heteroatom Substituted Organic/Polymeric Semiconductors and their Applications in Field-Effect Transistors. <i>Advanced Materials</i> , 2014, 26, 6898-6904.	11.1	75
61	Synthesis and Functional Properties of Donor-Acceptor-Conjugated Oligomers. <i>Chemistry of Materials</i> , 2003, 15, 1198-1203.	3.2	73
62	Two-photon fluorescence probes for imaging of mitochondria and lysosomes. <i>Chemical Communications</i> , 2013, 49, 3428.	2.2	73
63	Novel global-like second-order nonlinear optical dendrimers: convenient synthesis through powerful click chemistry and large NLO effects achieved by using simple azo chromophore. <i>Chemical Science</i> , 2012, 3, 1256.	3.7	70
64	Indole-based Cyanine as a Nuclear RNA-Selective Two-Photon Fluorescent Probe for Live Cell Imaging. <i>ACS Chemical Biology</i> , 2015, 10, 1171-1175.	1.6	70
65	Well-Balanced Ambipolar Conjugated Polymers Featuring Mild Glass Transition Temperatures Toward High-Performance Flexible Field-Effect Transistors. <i>Advanced Materials</i> , 2018, 30, 1705286.	11.1	70
66	New tetrathiafulvalene fused-naphthalene diimides for solution-processible and air-stable p-type and ambipolar organic semiconductors. <i>Chemical Science</i> , 2012, 3, 2530.	3.7	67
67	Thieno[3,2-b]thiophene-Bridged Donor-Acceptor Polymer Semiconductor Based on Benzo[1,2-b:4,5-b']dithiophene and Benzoxadiazole. <i>Macromolecules</i> , 2013, 46, 4805-4812.	2.2	66
68	Organic thin film transistors based on stable amorphous ladder tetraazapentacenes semiconductors. <i>Journal of Materials Chemistry</i> , 2005, 15, 4894.	6.7	65
69	Anthra[2,3-b]benzo[d]thiophene: An Air-Stable Asymmetric Organic Semiconductor with High Mobility at Room Temperature. <i>Chemistry of Materials</i> , 2008, 20, 4188-4190.	3.2	65
70	Modified Engineering of Graphene Nanoribbons Prepared via On-Surface Synthesis. <i>Advanced Materials</i> , 2020, 32, e1905957.	11.1	65
71	Design, Synthesis, and Properties of Asymmetrical Heteroacene and Its Application in Organic Electronics. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10565-10571.	1.5	64
72	Tuning of resistive memory switching in electropolymerized metallopolymeric films. <i>Chemical Science</i> , 2015, 6, 1308-1315.	3.7	64

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73	New Azo Chromophore-Containing Conjugated Polymers: Facile Synthesis by Using "Click" Chemistry and Enhanced Nonlinear Optical Properties Through the Introduction of Suitable Isolation Groups. <i>Macromolecular Rapid Communications</i> , 2008, 29, 136-141.	2.0	61
74	Asymmetric Synthesis of Chiral Sulfinates Esters and Sulfoxides. Synthesis of Sulforaphane. <i>Journal of Organic Chemistry</i> , 1994, 59, 597-601.	1.7	60
75	Synthesis and Light-Emitting Properties of Difunctional Dendritic Distyrylstilbenes. <i>Macromolecules</i> , 2001, 34, 6821-6830.	2.2	59
76	Synthesis and Functional Properties of Strongly Luminescent Diphenylamino End-Capped Oligophenylenes. <i>Journal of Organic Chemistry</i> , 2004, 69, 921-927.	1.7	59
77	Exceptionally Strong Multiphoton-Excited Blue Photoluminescence and Lasing from Ladder-Type Oligo(p-phenylene)s. <i>Journal of the American Chemical Society</i> , 2012, 134, 7297-7300.	6.6	59
78	Janus second-order nonlinear optical dendrimers: their controllable molecular topology and corresponding largely enhanced performance. <i>Chemical Science</i> , 2017, 8, 340-347.	3.7	59
79	Semiconducting Polymers Based on Isoindigo and Its Derivatives: Synthetic Tactics, Structural Modifications, and Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2010979.	7.8	58
80	Oligo(2,7-fluorene ethynylene)s with Pyrene Moieties: Synthesis, Characterization, Photoluminescence, and Electroluminescence. <i>Journal of Organic Chemistry</i> , 2007, 72, 8345-8353.	1.7	57
81	Phenyl-calix[4]arene-Based Fluorescent Sensors: Cooperative Binding for Carboxylates. <i>Journal of Organic Chemistry</i> , 2007, 72, 2419-2426.	1.7	56
82	A novel air-stable n-type organic semiconductor: 4,4-bis[(6,6-diphenyl)-2,2-difluoro-1,3,2-dioxaborine] and its application in organic ambipolar field-effect transistors. <i>Journal of Materials Chemistry</i> , 2006, 16, 4499-4503.	6.7	55
83	Effects of fluorination on the properties of thieno[3,2-b]thiophene-bridged donor-acceptor polymer semiconductors. <i>Polymer Chemistry</i> , 2014, 5, 502-511.	1.9	55
84	Fluoro-substituted cyanine for reliable <i>in vivo</i> labelling of amyloid- $\beta^2$ oligomers and neuroprotection against amyloid- $\beta^2$ induced toxicity. <i>Chemical Science</i> , 2017, 8, 8279-8284.	3.7	54
85	High-mobility thin-film transistors based on aligned carbon nanotubes. <i>Applied Physics Letters</i> , 2003, 83, 150-152.	1.5	53
86	Fluorescence-Enhanced Chemosensor for Metal Cation Detection Based on Pyridine and Carbazole. <i>Journal of Organic Chemistry</i> , 2013, 78, 11318-11325.	1.7	53
87	Improved method for the preparation of enantiomerically pure sulfinates esters. <i>Journal of Organic Chemistry</i> , 1991, 56, 4552-4554.	1.7	52
88	Phenyl-substituted fluorene-dimer cored anthracene derivatives: highly fluorescent and stable materials for high performance organic blue- and white-light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2010, 20, 3186.	6.7	52
89	Dibenzoannelated Tetrathienoacene: Synthesis, Characterization, and Applications in Organic Field-Effect Transistors. <i>Organic Letters</i> , 2012, 14, 3300-3303.	2.4	52
90	Primary Nucleation-Dominated Chemical Vapor Deposition Growth for Uniform Graphene Monolayers on Dielectric Substrate. <i>Journal of the American Chemical Society</i> , 2019, 141, 11004-11008.	6.6	52

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91	Novel electro-optic molecular cocrystals with ideal chromophoric orientation and large second-order optical nonlinearities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998, 15, 426.	0.9	51
92	Anisotropic Electrical Transport Properties of Aligned Carbon Nanotube Films. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9422-9425.	1.2	51
93	Linear benzene-fused bis(tetrathiafulvalene) compounds for solution processed organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2007, 17, 736-743.	6.7	51
94	Novel Functionalized Conjugated Polythiophene with Oxetane Substituents: Synthesis, Optical, Electrochemical, and Field-Effect Properties. <i>Macromolecules</i> , 2009, 42, 3222-3226.	2.2	51
95	A two-photon ratiometric fluorescent probe for effective monitoring of lysosomal pH in live cells and cancer tissues. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 913-921.	4.0	51
96	One Pot Phase Transfer Synthesis of O-Alkyl, S-Methyl Dithiocarbonates (Xanthates). <i>Synthetic Communications</i> , 1989, 19, 547-552.	1.1	50
97	Extended Calix[4]arene-Based Receptors for Molecular Recognition and Sensing. <i>Sensors</i> , 2008, 8, 5313-5335.	2.1	50
98	Five-membered heteroaromatic hydrazone derivatives for second-order nonlinear optics. <i>Advanced Materials</i> , 1996, 8, 416-420.	11.1	49
99	Novel copolymers incorporating dithieno[3,2-b:2',3'-d]thiophene moieties for air-stable and high performance organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2008, 18, 3426.	6.7	49
100	Field dependent and high light sensitive organic phototransistors based on linear asymmetric organic semiconductor. <i>Applied Physics Letters</i> , 2009, 94, 143303.	1.5	48
101	Fluorinated Dithienylethene-Naphthalenediimide Copolymers for High-Mobility n-Channel Field-Effect Transistors. <i>Macromolecules</i> , 2017, 50, 6098-6107.	2.2	48
102	Synthesis and electroluminescence of poly(aryleneethynylene)s based on fluorene containing hole-transport units. <i>Journal of Materials Chemistry</i> , 2001, 11, 1606-1611.	6.7	47
103	Solution processable donor-acceptor oligothiophenes for bulk-heterojunction solar cells. <i>Journal of Materials Chemistry</i> , 2010, 20, 2182.	6.7	47
104	Self-Aligned Single-Crystal Graphene Grains. <i>Advanced Functional Materials</i> , 2014, 24, 1664-1670.	7.8	47
105	Fluorodiphenylethene-Containing Donor-Acceptor Conjugated Copolymers with Noncovalent Conformational Locks for Efficient Polymer Field-Effect Transistors. <i>Macromolecules</i> , 2016, 49, 2582-2591.	2.2	47
106	Innovation of Materials, Devices, and Functionalized Interfaces in Organic Spintronics. <i>Advanced Functional Materials</i> , 2021, 31, 2100550.	7.8	47
107	Naphthodithiophene-2,1,3-benzothiadiazole copolymers for bulk heterojunction solar cells. <i>Chemical Communications</i> , 2011, 47, 9471.	2.2	46
108	New series of AB <sub>2</sub> -type hyperbranched polytriazoles derived from the same polymeric intermediate: Different endcapping spacers with adjustable bulk and convenient syntheses via click chemistry under copper(I) catalysis. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1977-1987.	2.5	45



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109	Self-assembly of an acentric co-crystal of a highly hyperpolarizable merocyanine dye with optimized alignment for nonlinear optics. <i>Advanced Materials</i> , 1997, 9, 554-557.	11.1	44
110	n-Type doping for efficient polymeric electron-transporting layers in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18852-18856.	5.2	44
111	Ultra-sensitive detection of protein biomarkers for diagnosis of Alzheimer's disease. <i>Chemical Science</i> , 2017, 8, 4012-4018.	3.7	44
112	Highly sensitive quantification of Alzheimer's disease biomarkers by aptamer-assisted amplification. <i>Theranostics</i> , 2019, 9, 2939-2949.	4.6	44
113	Graphene: learning from carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2011, 21, 919-929.	6.7	43
114	Synthesis and properties of fluorene or carbazole-based and dicyanovinyl-capped n-type organic semiconductors. <i>Journal of Materials Chemistry</i> , 2008, 18, 1131.	6.7	42
115	Organic thin-film transistors with high mobilities and low operating voltages based on 5,5'-bis-biphenyl-dithieno[3,2-b:2',3'-d]thiophene semiconductor and polymer gate dielectric. <i>Applied Physics Letters</i> , 2006, 88, 242113.	1.5	41
116	A Zero Cross-Talk Ratiometric Two-Photon Probe for Imaging of Acid pH in Living Cells and Tissues and Early Detection of Tumor in Mouse Model. <i>Analytical Chemistry</i> , 2018, 90, 8800-8806.	3.2	41
117	Theranostic F-SLOH mitigates Alzheimer's disease pathology involving TFEB and ameliorates cognitive functions in Alzheimer's disease models. <i>Redox Biology</i> , 2022, 51, 102280.	3.9	41
118	Selective Growth of Polymorphs: An Investigation of the Organic Nonlinear Optical Crystal 5-Nitro-2-thiophenecarboxaldehyde-4-methylphenylhydrazone. <i>Chemistry of Materials</i> , 1997, 9, 1328-1334.	3.2	39
119	New air-stable solution-processed organic n-type semiconductors based on sulfur-rich core-expanded naphthalene diimides. <i>Journal of Materials Chemistry</i> , 2011, 21, 18042.	6.7	39
120	Synthesis and Characterization of Angular-Shaped Naphtho[1,2-b:5,6-b']difuran "Diketopyrrolopyrrole-Containing Copolymers for High-Performance Organic Field-Effect Transistors. <i>Macromolecules</i> , 2014, 47, 616-625.	2.2	39
121	Thiazole-Flanked Diketopyrrolopyrrole Polymeric Semiconductors for Ambipolar Field-Effect Transistors with Balanced Carrier Mobilities. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34725-34734.	4.0	39
122	Synthesis and computational studies of hyperpolarizable zig-zag chromophores. <i>Tetrahedron Letters</i> , 1994, 35, 6113-6116.	0.7	38
123	Synthesis, structure-properties of planar, end-substituted, light-emitting oligophenylenevinyls. <i>Journal of Materials Chemistry</i> , 2000, 10, 1805-1810.	6.7	38
124	Synthesis and characterization of deep blue emitters from starburst carbazole/fluorene compounds. <i>Tetrahedron</i> , 2008, 64, 2658-2668.	1.0	38
125	Dual-Modal NIR-Fluorophore Conjugated Magnetic Nanoparticle for Imaging Amyloid $\beta$ Species In Vivo. <i>Small</i> , 2018, 14, e1800901.	5.2	38
126	Versatile fluorescent probes for near-infrared imaging of amyloid $\beta$ species in Alzheimer's disease mouse model. <i>Journal of Materials Chemistry B</i> , 2019, 7, 1986-1995.	2.9	38



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127	Effect of polymer chain conformation on field-effect transistor performance: synthesis and properties of two arylene imide based Dâ€A copolymers. <i>Journal of Materials Chemistry</i> , 2012, 22, 14639.	6.7	37
128	Direct Topâ€Down Fabrication of Largeâ€Area Graphene Arrays by an In Situ Etching Method. <i>Advanced Materials</i> , 2015, 27, 4195-4199.	11.1	36
129	Highâ€Mobility Hydrophobic Conjugated Polymer as Effective Interlayer for Airâ€Stable Efficient Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1800232.	3.1	36
130	Narrow band gap Dâ€A copolymer of indacenodithiophene and diketopyrrolopyrrole with deep HOMO level: Synthesis and application in fieldâ€effect transistors and polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2012, 50, 371-377.	2.5	35
131	Towards Highâ€Performance Resistive Switching Behavior through Embedding a Dâ€A System into 2D Imineâ€Linked Covalent Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27135-27143.	7.2	35
132	Synthesis and characterization of a quinoxaline compound containing polyphenylphenyl and strong electron-accepting groups, and its multiple applications in electroluminescent devices. <i>Journal of Materials Chemistry</i> , 2008, 18, 299-305.	6.7	34
133	An Alternative Approach to Constructing Solution Processable Multifunctional Materials: Their Structure, Properties, and Application in Highâ€Performance Organic Lightâ€Emitting Diodes. <i>Advanced Functional Materials</i> , 2010, 20, 3125-3135.	7.8	34
134	Tuning Frontier Orbital Energetics of Azaisoindigoâ€Based Polymeric Semiconductors to Enhance the Chargeâ€Transport Properties. <i>Advanced Electronic Materials</i> , 2017, 3, 1700078.	2.6	34
135	Synthesis and Luminescence of Distyrylstilbenes with Asymmetrically Substituted Functionalized Dendrons. <i>Chemistry of Materials</i> , 2002, 14, 3158-3166.	3.2	33
136	Synthesis and Third-Order Nonlinear Optical Properties of End-Functionalized Oligo-Phenylenevinylenes. <i>Chemistry of Materials</i> , 2002, 14, 2999-3004.	3.2	33
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