Xiaotao Zhang

List of Publications by Year
in descending order

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136 papers	6,423 citations	61857 43 h-index	74018 75 g-index
139 all docs	139 docs citations	139 times ranked	6866 citing authors

#	Article	IF	Citations
1	Few-layered organic single-crystalline heterojunctions for high-performance phototransistors. Nano Research, 2022, 15, 2667-2673.	5.8	12
2	The prospects of organic semiconductor single crystals for spintronic applications. Journal of Materials Chemistry C, 2022, 10, 2507-2515.	2.7	14
3	Cocrystal engineering for constructing two-photon absorption materials by controllable intermolecular interactions. Journal of Materials Chemistry C, 2022, 10, 2562-2568.	2.7	15
4	Cocrystal engineering: Tuning the charge transfer excitons for highly sensitive luminescent switching materials under multiple stimuli. Science China Materials, 2022, 65, 1320-1328.	3.5	10
5	Polymer Electrolyte Dielectrics Enable Efficient Exciton-Polaron Quenching in Organic Semiconductors for Photostable Organic Transistors. ACS Applied Materials & Interfaces, 2022, 14, 13584-13592.	4.0	13
6	Negative Phototransistors with Ultrahigh Sensitivity and Weakâ€Light Detection Based on 1D/2D Molecular Crystal pâ€“n Heterojunctions and their Application in Light Encoders. Advanced Materials, 2022, 34, e2201364.	11.1	26
7	Integrating Unexpected High Chargeâ€Carrier Mobility and Lowâ€Threshold Lasing Action in an Organic Semiconductor. Angewandte Chemie, 2022, 134, .	1.6	1
8	Integrating Unexpected High Chargeâ€Carrier Mobility and Lowâ€Threshold Lasing Action in an Organic Semiconductor. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
9	Efficient energy transfer in organic light-emitting transistor with tunable wavelength. Nano Research, 2022, 15, 3647-3652.	5.8	5
10	Highly Efficient Contact Doping for High-Performance Organic UV-Sensitive Phototransistors. Crystals, 2022, 12, 651.	1.0	5
11	TCNQ-based organic cocrystal integrated red emission and n-type charge transport. Frontiers of Optoelectronics, 2022, 15, .	1.9	5
12	Low-power high-mobility organic single-crystal field-effect transistor. Science China Materials, 2022, 65, 2779-2785.	3.5	6
13	An organic cocrystal based on phthalocyanine with ideal packing mode towards high-performance ambipolar property. Journal of Materials Chemistry C, 2022, 10, 9596-9601.	2.7	4
14	Molecular cocrystal odyssey to unconventional electronics and photonics. Science Bulletin, 2021, 66, 512-520.	4.3	25
15	Recent Advances in Growth of Largeâ€Sized 2D Single Crystals on Cu Substrates. Advanced Materials, 2021, 33, e2003956.	11.1	26
16	Cocrystal Engineering: Toward Solutionâ€Processed Nearâ€Infrared 2D Organic Cocrystals for Broadband Photodetection. Angewandte Chemie - International Edition, 2021, 60, 6344-6350.	7.2	43
17	Research progress of rubrene as an excellent multifunctional organic semiconductor. Frontiers of Physics, 2021, 16, 1.	2.4	14
18	Ultra-thin two-dimensional molecular crystals grown on a liquid surface for high-performance phototransistors. Chemical Communications, 2021, 57, 2669-2672.	2.2	11

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19	Anisotropic acoustic phonon polariton-enhanced infrared spectroscopy for single molecule detection. Nanoscale, 2021, 13, 12720-12726.	2.8	14
20	2D molecular crystal templated organic pâ€“n heterojunctions for high-performance ambipolar organic field-effect transistors. Journal of Materials Chemistry C, 2021, 9, 5758-5764.	2.7	12
21	Cocrystal Engineering: Toward Solutionâ€Processed Nearâ€Infrared 2D Organic Cocrystals for Broadband Photodetection. Angewandte Chemie, 2021, 133, 6414-6420.	1.6	5
22	Verticalâ€organicâ€nanocrystalâ€arrays for crossbar memristors with tuning switching dynamics toward neuromorphic computing. SmartMat, 2021, 2, 99-108.	6.4	73
23	Deep insight into the charge transfer interactions in 1,2,4,5-tetracyanobenzene-phenazine cocrystal. Chinese Chemical Letters, 2021, 32, 3007-3010.	4.8	20
24	Dual-function surfactant strategy for two-dimensional organic semiconductor crystals towards high-performance organic field-effect transistors. Science China Chemistry, 2021, 64, 1057-1062.	4.2	12
25	Revealing molecular conformationâ€“induced stress at embedded interfaces of organic optoelectronic devices by sum frequency generation spectroscopy. Science Advances, 2021, 7, .	4.7	29
26	Lead-free perovskites: growth, properties, and applications. Science China Materials, 2021, 64, 2889-2914.	3.5	12
27	A general route towards two-dimensional organic crystal-based functional fibriform transistors for wearable electronic textiles. Journal of Materials Chemistry C, 2021, 9, 472-480.	2.7	8
28	The effect of electron-withdrawing substituents in asymmetric anthracene derivative semiconductors. Journal of Materials Chemistry C, 2021, 9, 4217-4222.	2.7	6
29	Polymer-Assisted Space-Confined Strategy for the Foot-Scale Synthesis of Flexible Metalâ€“Organic Framework-Based Composite Films. Journal of the American Chemical Society, 2021, 143, 17526-17534.	6.6	17
30	Mixed Solvent as a Critical Factor in Optimizing Phase Separation of All Small Molecule Organic Solar Cells. ACS Applied Energy Materials, 2021, 4, 11769-11776.	2.5	2
31	Creating Organic Functional Materials beyond Chemical Bond Synthesis by Organic Cocrystal Engineering. Journal of the American Chemical Society, 2021, 143, 19243-19256.	6.6	84
32	Solution-processed crystalline organic integrated circuits. Matter, 2021, 4, 3415-3443.	5.0	9
33	Growing two-dimensional single crystals of organic semiconductors on liquid surfaces. Applied Physics Letters, 2021, 119, .	1.5	3
34	Organic Cocrystals: Recent Advances and Perspectives for Electronic and Magnetic Applications. Frontiers in Chemistry, 2021, 9, 764628.	1.8	14
35	Two-dimensional organic single-crystalline p-n junctions for ambipolar field transistors. Science China Materials, 2020, 63, 122-127.	3.5	11
36	Two-dimensional conjugated polymers synthesized via on-surface chemistry. Science China Materials, 2020, 63, 172-176.	3.5	9

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37	Efficient Construction of Highly-fused Diperylene Bismides by Cu/Oxalic Diamide-promoted Zipper-mode Double C-H Activation. Chemical Research in Chinese Universities, 2020, 36, 110-114.	1.3	2
38	Organic photodiodes and phototransistors toward infrared detection: materials, devices, and applications. Chemical Society Reviews, 2020, 49, 653-670.	18.7	246
39	High-mobility thienothiophene integrating strong emission and high photoresponsivity for multifunctional optoelectronic applications. Organic Electronics, 2020, 87, 105941.	1.4	8
40	Organic Fieldâ€Effect Transistors: Challenges and Emerging Opportunities in Highâ€Mobility and Lowâ€Energyâ€Consumption Organic Fieldâ€Effect Transistors (Adv. Energy Mater. 29/2020). Advanced Energy Materials, 2020, 10, 2070126.	10.2	2
41	Highly efficient modulation of the electronic properties of organic semiconductors by surface doping with 2D molecular crystals. Science China Chemistry, 2020, 63, 973-979.	4.2	3
42	Solution-Processed, Large-Area, Two-Dimensional Crystals of Organic Semiconductors for Field-Effect Transistors and Phototransistors. ACS Central Science, 2020, 6, 636-652.	5.3	53
43	Continuous and highly ordered organic semiconductor thin films via dip-coating: the critical role of meniscus angle. Science China Materials, 2020, 63, 1257-1264.	3.5	10
44	Molecular-scale integrated multi-functions for organic light-emitting transistors. Nano Research, 2020, 13, 1976-1981.	5.8	27
45	Challenges and Emerging Opportunities in Highâ€Mobility and Lowâ€Energyâ€Consumption Organic Fieldâ€Effect Transistors. Advanced Energy Materials, 2020, 10, 2000955.	10.2	63
46	Organicâ€“Inorganic Hybrid Nanomaterials for Electrocatalytic CO₂ Reduction. Small, 2020, 16, e2001847.	5.2	79
47	Organic Laser Molecule with High Mobility, High Photoluminescence Quantum Yield, and Deep-Blue Lasing Characteristics. Journal of the American Chemical Society, 2020, 142, 6332-6339.	6.6	90
48	Photoluminescence spectral broadening, chirality transfer and amplification of chiral perovskite materials (R-X-p-mBZA)₂PbBr₄ (X = H, F, Cl, Br) regulated by van der Waals and halogen atoms interactions. Physical Chemistry Chemical Physics, 2020, 22, 17299-17305.	1.3	31
49	Solutionâ€Processed Centimeterâ€Scale Highly Aligned Organic Crystalline Arrays for Highâ€Performance Organic Fieldâ€Effect Transistors. Advanced Materials, 2020, 32, e1908388.	11.1	99
50	Stimuli-responsive behaviors of organic charge transfer cocrystals: recent advances and perspectives. Materials Chemistry Frontiers, 2020, 4, 715-728.	3.2	72
51	The Semiconductor/Conductor Interface Piezoresistive Effect in an Organic Transistor for Highly Sensitive Pressure Sensors. Advanced Materials, 2019, 31, e1805630.	11.1	115
52	Layerâ€Defining Strategy to Grow Twoâ€Dimensional Molecular Crystals on a Liquid Surface down to the Monolayer Limit. Angewandte Chemie - International Edition, 2019, 58, 16082-16086.	7.2	53
53	Highâ€Efficiency Singleâ€Component Organic Lightâ€Emitting Transistors. Advanced Materials, 2019, 31, e1903175.	11.1	98
54	Cocrystal Engineering: A Collaborative Strategy toward Functional Materials. Advanced Materials, 2019, 31, e1902328.	11.1	245

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55	2D Molecular Crystal Bilayer pâ€“n Junctions: A General Route toward Highâ€Performance and Wellâ€Balanced Ambipolar Organic Fieldâ€Effect Transistors. Small, 2019, 15, e1902187.	5.2	29
56	A â€œPhase Separationâ€•Molecular Design Strategy Towards Largeâ€Area 2D Molecular Crystals. Advanced Materials, 2019, 31, e1901437.	11.1	44
57	Efficient Perovskite Solar Cells through Suppressed Nonradiative Charge Carrier Recombination by a Processing Additive. ACS Applied Materials & Interfaces, 2019, 11, 40163-40171.	4.0	17
58	Organic Lightâ€Emitting Transistors: Highâ€Efficiency Singleâ€Component Organic Lightâ€Emitting Transistors (Adv. Mater. 37/2019). Advanced Materials, 2019, 31, 1970266.	11.1	0
59	Layerâ€Defining Strategy to Grow Twoâ€Dimensional Molecular Crystals on a Liquid Surface down to the Monolayer Limit. Angewandte Chemie, 2019, 131, 16228-16232.	1.6	6
60	InnenrÃ¼cktitelbild: Layerâ€Defining Strategy to Grow Twoâ€Dimensional Molecular Crystals on a Liquid Surface down to the Monolayer Limit (Angew. Chem. 45/2019). Angewandte Chemie, 2019, 131, 16479-16479.	1.6	0
61	Organic Single Crystals: A â€œPhase Separationâ€•Molecular Design Strategy Towards Largeâ€Area 2D Molecular Crystals (Adv. Mater. 35/2019). Advanced Materials, 2019, 31, 1970251.	11.1	2
62	Thiolactone copolymer donor gifts organic solar cells a 16.72% efficiency. Science Bulletin, 2019, 64, 1573-1576.	4.3	140
63	Mesopolymer synthesis by ligand-modulated direct arylation polycondensation towards n-type and ambipolar conjugated systems. Nature Chemistry, 2019, 11, 271-277.	6.6	115
64	Organic crystalline materials in flexible electronics. Chemical Society Reviews, 2019, 48, 1492-1530.	18.7	314
65	Thermal-assisted self-assembly: a self-adaptive strategy towards large-area uniaxial organic single-crystalline microribbon arrays. Nanoscale, 2019, 11, 12781-12787.	2.8	15
66	Diphenyleneâ€Tetracyanoquinodimethane Cocrystals as Stable Organic Rectifiers. ChemPlusChem, 2019, 84, 1245-1248.	1.3	5
67	Thermally Activated Delayed Fluorescence in an Organic Cocrystal: Narrowing the Singletâ€“Triplet Energy Gap via Charge Transfer. Angewandte Chemie - International Edition, 2019, 58, 11311-11316.	7.2	76
68	Thermally Activated Delayed Fluorescence in an Organic Cocrystal: Narrowing the Singletâ€“Triplet Energy Gap via Charge Transfer. Angewandte Chemie, 2019, 131, 11433.	1.6	13
69	Phenanthrene derivatives combined charge transport properties and strong solid-state emission. Science China Chemistry, 2019, 62, 916-920.	4.2	5
70	Scalable Fabrication of Highly Crystalline Organic Semiconductor Thin Film by Channelâ€Restricted Screen Printing toward the Lowâ€Cost Fabrication of Highâ€Performance Transistor Arrays. Advanced Materials, 2019, 31, e1807975.	11.1	93
71	High-performance optical memory transistors based on a novel organic semiconductor with nanosprouts. Nanoscale, 2019, 11, 7117-7122.	2.8	16
72	A case study of tuning the crystal polymorphs of organic semiconductors towards simultaneously improved light emission and field-effect properties. Journal of Materials Chemistry C, 2019, 7, 5925-5930.	2.7	22

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73	Construction of Largeâ€Area Ultrathin Conductive Metalâ€“Organic Framework Films through Vaporâ€Induced Conversion. Small, 2019, 15, e1804845.	5.2	42
74	Eu-based coordination polymer microrods for low-loss optical waveguiding application. Nanoscale, 2019, 11, 21061-21067.	2.8	5
75	Carbon nanotubes assisting interchain charge transport in semiconducting polymer thin films towards much improved charge carrier mobility. Science China Materials, 2019, 62, 813-822.	3.5	6
76	A New Biscarbazoleâ€Based Metalâ€“Organic Framework for Efficient Hostâ€“Guest Energy Transfer. Chemistry - A European Journal, 2019, 25, 1901-1905.	1.7	16
77	A new asymmetric anthracene derivative with high mobility. Science China Chemistry, 2019, 62, 251-255.	4.2	12
78	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metalâ€“Organic Frameworks, Metal Nanoparticles, and Microâ€•and Mesoporous Polymers. Angewandte Chemie - International Edition, 2018, 57, 5708-5713.	7.2	137
79	Low-Voltage Organic Single-Crystal Field-Effect Transistor with Steep Subthreshold Slope. ACS Applied Materials & Interfaces, 2018, 10, 25871-25877.	4.0	50
80	Nâ€Type 2D Organic Single Crystals for Highâ€Performance Organic Fieldâ€Effect Transistors and Nearâ€Infrared Phototransistors. Advanced Materials, 2018, 30, e1706260.	11.1	145
81	Space-Confined Strategy toward Large-Area Two-Dimensional Single Crystals of Molecular Materials. Journal of the American Chemical Society, 2018, 140, 5339-5342.	6.6	132
82	Organic Single Crystals: N-Type 2D Organic Single Crystals for High-Performance Organic Field-Effect Transistors and Near-Infrared Phototransistors (Adv. Mater. 16/2018). Advanced Materials, 2018, 30, 1870114.	11.1	5
83	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metalâ€“Organic Frameworks, Metal Nanoparticles, and Microâ€•and Mesoporous Polymers. Angewandte Chemie, 2018, 130, 5810-5815.	1.6	38
84	Cocrystals Strategy towards Materials for Nearâ€Infrared Photothermal Conversion and Imaging. Angewandte Chemie, 2018, 130, 4027-4031.	1.6	50
85	Efficient Perovskite Solar Cells Fabricated by Co Partially Substituted Hybrid Perovskite. Advanced Energy Materials, 2018, 8, 1703178.	10.2	98
86	Impact of Câ€“HÂ·Â·Â·X (X = F, N) and Ïâ€“Ï€ Interactions on Tuning the Degree of Charge Transfer in F₆TNAP-Based Organic Binary Compound Single Crystals. Crystal Growth and Design, 2018, 18, 1776-1785.	1.4	40
87	Cocrystals Strategy towards Materials for Nearâ€Infrared Photothermal Conversion and Imaging. Angewandte Chemie - International Edition, 2018, 57, 3963-3967.	7.2	255
88	Organic Optoelectronics: 2D Organic Materials for Optoelectronic Applications (Adv. Mater. 2/2018). Advanced Materials, 2018, 30, 1870012.	11.1	11
89	A new organic compound of 2-(2,2-diphenylethenyl)anthracene (DPEA) showing simultaneous electrical charge transport property and AIE optical characteristics. Journal of Materials Chemistry C, 2018, 6, 3856-3860.	2.7	27
90	2D Organic Materials for Optoelectronic Applications. Advanced Materials, 2018, 30, 1702415.	11.1	266

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91	Bimetalâ€“organic frameworks for functionality optimization: MnFe-MOF-74 as a stable and efficient catalyst for the epoxidation of alkenes with H₂O₂. Nanoscale, 2018, 10, 1591-1597.	2.8	68
92	Roomâ€Temperatureâ€Operated Ultrasensitive Broadband Photodetectors by Perovskite Incorporated with Conjugated Polymer and Singleâ€Wall Carbon Nanotubes. Advanced Functional Materials, 2018, 28, 1705541.	7.8	69
93	Unidirectional and crystalline organic semiconductor microwire arrays by solvent vapor annealing with PMMA as the assisting layer. Journal of Materials Chemistry C, 2018, 6, 12479-12483.	2.7	15
94	New anthracene derivatives integrating high mobility and strong emission. Journal of Materials Chemistry C, 2018, 6, 13257-13260.	2.7	9
95	Freeâ€Standing 2D Hexagonal Aluminum Nitride Dielectric Crystals for Highâ€Performance Organic Fieldâ€Effect Transistors. Advanced Materials, 2018, 30, e1801891.	11.1	32
96	Organic Semiconductor Single Crystals for Electronics and Photonics. Advanced Materials, 2018, 30, e1801048.	11.1	319
97	Organic Fieldâ€Effect Transistor for Energyâ€Related Applications: Lowâ€Powerâ€Consumption Devices, Nearâ€Infrared Phototransistors, and Organic Thermoelectric Devices. Advanced Energy Materials, 2018, 8, 1801003.	10.2	95
98	Molecular cocrystals: design, charge-transfer and optoelectronic functionality. Physical Chemistry Chemical Physics, 2018, 20, 6009-6023.	1.3	143
99	An Asymmetric Furan/Thieno[3,2â€b]Thiophene Diketopyrrolopyrrole Building Block for Annealingâ€Free Greenâ€Solvent Processable Organic Thinâ€Film Transistors. Macromolecular Rapid Communications, 2018, 39, e1800225.	2.0	28
100	Enhancing field-effect mobility and maintaining solid-state emission by incorporating 2,6-diphenyl substitution to 9,10-bis(phenylethynyl)anthracene. Journal of Materials Chemistry C, 2017, 5, 2519-2523.	2.7	24
101	Fieldâ€Effect Devices: Molecular Crystal Engineering: Tuning Organic Semiconductor from pâ€type to nâ€type by Adjusting Their Substitutional Symmetry (Adv. Mater. 10/2017). Advanced Materials, 2017, 29, .	11.1	1
102	Intermolecular Chargeâ€Transfer Interactions Facilitate Twoâ€Photon Absorption in Styrylpyridineâ€“Tetracyanobenzene Cocrystals. Angewandte Chemie - International Edition, 2017, 56, 7831-7835.	7.2	146
103	Inverse Magnetoresistance in Polymer Spin Valves. ACS Applied Materials & Interfaces, 2017, 9, 15644-15651.	4.0	35
104	Intermolecular Chargeâ€Transfer Interactions Facilitate Twoâ€Photon Absorption in Styrylpyridineâ€“Tetracyanobenzene Cocrystals. Angewandte Chemie, 2017, 129, 7939-7943.	1.6	32
105	Molecular Crystal Engineering: Tuning Organic Semiconductor from pâ€type to nâ€type by Adjusting Their Substitutional Symmetry. Advanced Materials, 2017, 29, 1605053.	11.1	64
106	Asymmetric thiophene/pyridine flanked diketopyrrolopyrrole polymers for high performance polymer ambipolar field-effect transistors and solar cells. Journal of Materials Chemistry C, 2017, 5, 566-572.	2.7	51
107	A bowl-shaped sumanene derivative with dense convexâ€“concave columnar packing for high-performance organic field-effect transistors. Chemical Communications, 2017, 53, 11407-11409.	2.2	31
108	Assembly of Ï€â€Conjugated Nanosystems for Electronic Sensing Devices. Advanced Electronic Materials, 2017, 3, 1700209.	2.6	11

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109	Random Access Memory: Organic Ferroelectricâ€Based 1T1T Random Access Memory Cell Employing a Common Dielectric Layer Overcoming the Halfâ€Selection Problem (Adv. Mater. 34/2017). Advanced Materials, 2017, 29, .	11.1	5
110	Organic Ferroelectricâ€Based 1T1T Random Access Memory Cell Employing a Common Dielectric Layer Overcoming the Halfâ€Selection Problem. Advanced Materials, 2017, 29, 1701907.	11.1	46
111	Enhanced stability of a rubrene analogue with a brickwork packing motif. Journal of Materials Chemistry C, 2017, 5, 8376-8379.	2.7	4
112	Sensors: Assembly of Ï€â€Conjugated Nanosystems for Electronic Sensing Devices (Adv. Electron. Mater.) Tj ETQq0 0 0 rgBT /Overlock 1	2.6	0
113	Aromatic Extension at 2,6-Positions of Anthracene toward an Elegant Strategy for Organic Semiconductors with Efficient Charge Transport and Strong Solid State Emission. Journal of the American Chemical Society, 2017, 139, 17261-17264.	6.6	158
114	Organic Memory Devices: 2D Mica Crystal as Electret in Organic Fieldâ€Effect Transistors for Multistate Memory (Adv. Mater. 19/2016). Advanced Materials, 2016, 28, 3792-3792.	11.1	2
115	Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. Topics in Current Chemistry, 2016, 374, 83.	3.0	52
116	Mass Production of Nanogap Electrodes toward Robust Resistive Random Access Memory. Advanced Materials, 2016, 28, 8227-8233.	11.1	20
117	Co-crystal engineering: a novel method to obtain one-dimensional (1D) carbon nanocrystals of corannuleneâ€“fullerene by a solution process. Nanoscale, 2016, 8, 14920-14924.	2.8	55
118	Gibbsâ€“Curieâ€“Wulff Theorem in Organic Materials: A Case Study on the Relationship between Surface Energy and Crystal Growth. Advanced Materials, 2016, 28, 1697-1702.	11.1	88
119	2D Mica Crystal as Electret in Organic Fieldâ€Effect Transistors for Multistate Memory. Advanced Materials, 2016, 28, 3755-3760.	11.1	62
120	Organic Cocrystal Photovoltaic Behavior: A Model System to Study Charge Recombination of C₆₀ and C₇₀ at the Molecular Level. Advanced Electronic Materials, 2016, 2, 1500423.	2.6	42
121	Side-chain engineering of green color electrochromic polymer materials: toward adaptive camouflage application. Journal of Materials Chemistry C, 2016, 4, 2269-2273.	2.7	155
122	Poly(pentacyclic lactam-alt-diketopyrrolopyrrole) for field-effect transistors and polymer solar cells processed from non-chlorinated solvents. Polymer Chemistry, 2016, 7, 164-170.	1.9	18
123	Highâ€Performance UVâ€Sensitive Organic Phototransistors Based on Benzo[1,2â€b:4,5â€bâ€²]dithiophene Dimers Linked with Unsaturated Bonds. Advanced Electronic Materials, 2015, 1, 1500071.	2.6	31
124	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. Polymer Chemistry, 2015, 6, 4775-4783.	1.9	34
125	Conjugated polymers with deep LUMO levels for field-effect transistors and polymerâ€“polymer solar cells. Journal of Materials Chemistry C, 2015, 3, 8255-8261.	2.7	23
126	A cross-dipole stacking molecule of an anthracene derivative: integrating optical and electrical properties. Journal of Materials Chemistry C, 2015, 3, 3068-3071.	2.7	35

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127	The position effect of an ethynyl spacer on the carrier mobility of anthracene derivatives. Journal of Materials Chemistry C, 2015, 3, 5368-5371.	2.7	14
128	Tuning the Crystal Polymorphs of Alkyl Thienoacene via Solution Selfâ€Assembly Toward Airâ€Stable and Highâ€Performance Organic Fieldâ€Effect Transistors. Advanced Materials, 2015, 27, 825-830.	11.1	106
129	Rubrene analogues with the aggregation-induced emission enhancement behaviour. Journal of Materials Chemistry C, 2014, 2, 884-890.	2.7	22
130	A thienyl peripherally substituted rubrene analogue with constant emissions and good film forming ability. Journal of Materials Chemistry C, 2014, 2, 8222-8225.	2.7	10
131	Synthesis and aggregation-induced emissions of thienyl substituted cyclobutene derivatives. Journal of Materials Chemistry C, 2014, 2, 5083-5086.	2.7	11
132	A Ligandâ€free Copperâ€promoted Dimerization of Perylene Bisimide by Aromatic Cï£¿C Homocoupling and Cï£¿H Activation. Asian Journal of Organic Chemistry, 2013, 2, 558-560.	1.3	6
133	Aggregation-induced emission enhancement based on 11,11,12,12,-tetracyano-9,10-anthraquinodimethane. Chemical Communications, 2013, 49, 1199.	2.2	59
134	Substitution effect on molecular packing and transistor performance of indolo[3,2-b]carbazole derivatives. Journal of Materials Chemistry, 2012, 22, 4409-4417.	6.7	54
135	A new pseudo rubrene analogue with excellent film forming ability. Science China Chemistry, 2011, 54, 631-635.	4.2	4
136	Tailoring the substituted position for high-efficiency charge transport ability and strong blue solid-state emission in a naphthalene derivative. Materials Chemistry Frontiers, 0, , .	3.2	0