Huanli Dong

List of Publications by Year
in descending order

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289 papers	20,102 citations	13068 68 h-index	12910 131 g-index
301 all docs	301 docs citations	301 times ranked	18427 citing authors

#	Article	IF	Citations
1	Semiconducting Ï€-Conjugated Systems in Field-Effect Transistors: A Material Odyssey of Organic Electronics. Chemical Reviews, 2012, 112, 2208-2267.	23.0	3,164
2	25th Anniversary Article: Key Points for Highâ€Mobility Organic Fieldâ€Effect Transistors. Advanced Materials, 2013, 25, 6158-6183.	11.1	710
3	Sulfonated Graphene for Persistent Aromatic Pollutant Management. Advanced Materials, 2011, 23, 3959-3963.	11.1	648
4	Organic semiconductor crystals. Chemical Society Reviews, 2018, 47, 422-500.	18.7	623
5	Organic photoresponse materials and devices. Chemical Society Reviews, 2012, 41, 1754-1808.	18.7	570
6	High mobility emissive organic semiconductor. Nature Communications, 2015, 6, 10032.	5.8	420
7	Organic Semiconductor Single Crystals for Electronics and Photonics. Advanced Materials, 2018, 30, e1801048.	11.1	319
8	Organic crystalline materials in flexible electronics. Chemical Society Reviews, 2019, 48, 1492-1530.	18.7	314
9	High performance organic semiconductors for field-effect transistors. Chemical Communications, 2010, 46, 5211.	2.2	313
10	Short-Wave Near-Infrared Linear Dichroism of Two-Dimensional Germanium Selenide. Journal of the American Chemical Society, 2017, 139, 14976-14982.	6.6	286
11	2D Organic Materials for Optoelectronic Applications. Advanced Materials, 2018, 30, 1702415.	11.1	266
12	Cocrystals Strategy towards Materials for Nearâ€Infrared Photothermal Conversion and Imaging. Angewandte Chemie - International Edition, 2018, 57, 3963-3967.	7.2	255
13	Rational Design of Charge-Transfer Interactions in Halogen-Bonded Co-crystals toward Versatile Solid-State Optoelectronics. Journal of the American Chemical Society, 2015, 137, 11038-11046.	6.6	246
14	Spherical Î±-Ni(OH)2 nanoarchitecture grown on graphene as advanced electrochemical pseudocapacitor materials. Chemical Communications, 2012, 48, 2773.	2.2	223
15	Organic Single-Crystalline pâ€"n Junction Nanoribbons. Journal of the American Chemical Society, 2010, 132, 11580-11584.	6.6	208
16	High Mobility, Air Stable, Organic Single Crystal Transistors of an nâ€Type Diperylene Bisimide. Advanced Materials, 2012, 24, 2626-2630.	11.1	199
17	Millimeterâ€Sized Molecular Monolayer Twoâ€Dimensional Crystals. Advanced Materials, 2011, 23, 2059-2063.	11.1	198
18	Revealing the Chargeâ€Transfer Interactions in Selfâ€Assembled Organic Cocrystals: Twoâ€Dimensional Photonic Applications. Angewandte Chemie - International Edition, 2015, 54, 6785-6789.	7.2	198

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19	Synthesizing MnO₂nanosheets from graphene oxide templates for high performance pseudosupercapacitors. Chemical Science, 2012, 3, 433-437.	3.7	194
20	Charge Transport in Organic and Polymeric Semiconductors for Flexible and Stretchable Devices. Advanced Materials, 2016, 28, 4513-4523.	11.1	185
21	High performance n-type and ambipolar small organic semiconductors for organic thin film transistors. Physical Chemistry Chemical Physics, 2014, 16, 22448-22457.	1.3	178
22	Crystal Engineering of Organic Optoelectronic Materials. CheM, 2019, 5, 2814-2853.	5.8	175
23	Band-like transport in small-molecule thin films toward high mobility and ultrahigh detectivity phototransistor arrays. Nature Communications, 2019, 10, 12.	5.8	172
24	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
25	Halogenated Tetraazapentacenes with Electron Mobility as High as 27.8 cm² V^{â^'1} s^{â^'1} in Solutionâ€Processed nâ€Channel Organic Thinâ€Film Transistors. Advanced Materials, 2018, 30, e1803467.	11.1	156
26	Organic single crystal field-effect transistors: advances and perspectives. Journal of Materials Chemistry, 2010, 20, 4994.	6.7	154
27	A General Method for Growing Twoâ€Dimensional Crystals of Organic Semiconductors by â€œSolution Epitaxyâ€• Angewandte Chemie - International Edition, 2016, 55, 9519-9523.	7.2	153
28	Intermolecular Chargeâ€Transfer Interactions Facilitate Twoâ€Photon Absorption in Styrylpyridineâ€“Tetracyanobenzene Cocrystals. Angewandte Chemie - International Edition, 2017, 56, 7831-7835.	7.2	146
29	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
30	Nanowire Crystals of a Rigid Rod Conjugated Polymer. Journal of the American Chemical Society, 2009, 131, 17315-17320.	6.6	141
31	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
32	Spiro-OMeTAD single crystals: Remarkably enhanced charge-carrier transport via mesoscale ordering. Science Advances, 2016, 2, e1501491.	4.7	122
33	Mesopolymer synthesis by ligand-modulated direct arylation polycondensation towards n-type and ambipolar conjugated systems. Nature Chemistry, 2019, 11, 271-277.	6.6	115
34	Morphology control for high performance organic thin film transistors. Chemical Science, 2011, 2, 590-600.	3.7	108
35	Thin film field-effect transistors of 2,6-diphenyl anthracene (DPA). Chemical Communications, 2015, 51, 11777-11779.	2.2	107
36	Approaching Intraâ€•and Interchain Charge Transport of Conjugated Polymers Facilely by Topochemical Polymerized Single Crystals. Advanced Materials, 2017, 29, 1701251.	11.1	107

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37	Porphyrin Supramolecular 1D Structures via Surfactantâ€Assisted Selfâ€Assembly. Advanced Materials, 2015, 27, 5379-5387.	11.1	106
38	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
39	Deepening Insights of Charge Transfer and Photophysics in a Novel Donorâ€“Acceptor Cocrystal for Waveguide Couplers and Photonic Logic Computation. Advanced Materials, 2016, 28, 5954-5962.	11.1	105
40	Highly transparent, strong, and flexible fluorographene/fluorinated polyimide nanocomposite films with low dielectric constant. Journal of Materials Chemistry C, 2018, 6, 6378-6384.	2.7	105
41	Uncovering the Intramolecular Emission and Tuning the Nonlinear Optical Properties of Organic Materials by Cocrystallization. Angewandte Chemie - International Edition, 2016, 55, 14023-14027.	7.2	103
42	Aqueous Solution Processed Photoconductive Cathode Interlayer for High Performance Polymer Solar Cells with Thick Interlayer and Thick Active Layer. Advanced Materials, 2016, 28, 7521-7526.	11.1	102
43	Phototransistors of a Rigid Rod Conjugated Polymer. Journal of Physical Chemistry C, 2008, 112, 19690-19693.	1.5	101
44	Ordering of conjugated polymer molecules: recent advances and perspectives. Polymer Chemistry, 2013, 4, 5197.	1.9	101
45	Solvatomechanical Bending of Organic Charge Transfer Cocrystal. Journal of the American Chemical Society, 2018, 140, 6186-6189.	6.6	100
46	Organic Lightâ€Emitting Transistors Entering a New Development Stage. Advanced Materials, 2021, 33, e2007149.	11.1	99
47	Channel-restricted meniscus self-assembly for uniformly aligned growth of single-crystal arrays of organic semiconductors. Materials Today, 2019, 24, 17-25.	8.3	98
48	Highâ€Efficiency Singleâ€Component Organic Lightâ€Emitting Transistors. Advanced Materials, 2019, 31, e1903175.	11.1	98
49	Quinolineâ€Flanked Diketopyrrolopyrrole Copolymers Breaking through Electron Mobility over 6 cm² V^{â^'1} s^{â^'1} in Flexible Thin Film Devices. Advanced Materials, 2018, 30, 1704843.	11.1	97
50	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
51	Quadruply Bâ†N-Fused Dibenzo-azaacene with High Electron Affinity and High Electron Mobility. Journal of the American Chemical Society, 2019, 141, 17015-17021.	6.6	93
52	Mica, a Potential Twoâ€Dimensionalâ€Crystal Gate Insulator for Organic Fieldâ€Effect Transistors. Advanced Materials, 2011, 23, 5502-5507.	11.1	92
53	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
54	Highâ€Performance Allâ€Polymer Photoresponse Devices Based on Acceptorâ€“Acceptor Conjugated Polymers. Advanced Functional Materials, 2016, 26, 6306-6315.	7.8	88

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55	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
56	Synthesis of a Conjugated Polymer with Broad Absorption and Its Application in High-Performance Phototransistors. Macromolecules, 2012, 45, 1296-1302.	2.2	86
57	Interface engineering for high-performance organic field-effect transistors. Physical Chemistry Chemical Physics, 2012, 14, 14165.	1.3	85
58	Organic field-effect optical waveguides. Nature Communications, 2018, 9, 4790.	5.8	85
59	Dibenzothiophene Derivatives: From Herringbone to Lamellar Packing Motif. Crystal Growth and Design, 2010, 10, 4155-4160.	1.4	84
60	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
61	Rational Control of Charge Transfer Excitons Toward Highâ€Contrast Reversible Mechanoresponsive Luminescent Switching. Angewandte Chemie - International Edition, 2020, 59, 17580-17586.	7.2	83
62	Multilevel Investigation of Charge Transport in Conjugated Polymers. Accounts of Chemical Research, 2016, 49, 2435-2443.	7.6	81
63	Fine-Tuned Nanostructures Assembled from <scp>l</scp>-Lysine-Functionalized Perylene Bisimides. Langmuir, 2011, 27, 11364-11371.	1.6	80
64	Surface Polarity and Self-Structured Nanogrooves Collaboratively Oriented Molecular Packing for High Crystallinity toward Efficient Charge Transport. Journal of the American Chemical Society, 2017, 139, 2734-2740.	6.6	79
65	Two-Dimensional High-Quality Monolayered Triangular WS₂ Flakes for Field-Effect Transistors. ACS Applied Materials & Interfaces, 2018, 10, 22435-22444.	4.0	77
66	Recent advances in polymer phototransistors. Polymer Chemistry, 2015, 6, 7933-7944.	1.9	76
67	Copolymer dielectrics with balanced chain-packing density and surface polarity for high-performance flexible organic electronics. Nature Communications, 2018, 9, 2339.	5.8	76
68	Solutionâ€Processed Largeâ€Area Nanocrystal Arrays of Metalâ€“Organic Frameworks as Wearable, Ultrasensitive, Electronic Skin for Health Monitoring. Small, 2015, 11, 3351-3356.	5.2	75
69	Verticalâ€organicâ€nanocrystalâ€arrays for crossbar memristors with tuning switching dynamics toward neuromorphic computing. SmartMat, 2021, 2, 99-108.	6.4	73
70	Application of Tripletâ€“Triplet Annihilation Upconversion in Organic Optoelectronic Devices: Advances and Perspectives. Advanced Materials, 2021, 33, e2100704.	11.1	72
71	Organic UVâ€Sensitive Phototransistors Based on Distriphenylamineethynylpyrene Derivatives with Ultraâ€High Detectivity Approaching 10¹⁸. Advanced Materials, 2020, 32, e1907791.	11.1	71
72	Graphene and graphene oxide nanogap electrodes fabricated by atomic force microscopy nanolithography. Applied Physics Letters, 2010, 97, .	1.5	67

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73	Recent progress of high performance organic thin film field-effect transistors. Journal of Materials Chemistry, 2011, 21, 11708.	6.7	67
74	High Performance Nanocrystals of a Donorâ€“Acceptor Conjugated Polymer. Chemistry of Materials, 2013, 25, 2649-2655.	3.2	64
75	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
76	Vertical Organic Fieldâ€Effect Transistors. Advanced Functional Materials, 2019, 29, 1808453.	7.8	64
77	Low-Temperature, Bottom-Up Synthesis of Graphene via a Radical-Coupling Reaction. Journal of the American Chemical Society, 2013, 135, 9050-9054.	6.6	63
78	Ambipolar Conjugated Polymers with Ultrahigh Balanced Hole and Electron Mobility for Printed Organic Complementary Logic via a Twoâ€Step Cï¿¿H Activation Strategy. Advanced Materials, 2019, 31, e1806010.	11.1	63
79	Challenges and Emerging Opportunities in Highâ€Mobility and Lowâ€Energyâ€Consumption Organic Fieldâ€Effect Transistors. Advanced Energy Materials, 2020, 10, 2000955.	10.2	63
80	2D Mica Crystal as Electret in Organic Fieldâ€Effect Transistors for Multistate Memory. Advanced Materials, 2016, 28, 3755-3760.	11.1	62
81	Large scale, flexible organic transistor arrays and circuits based on polyimide materials. Organic Electronics, 2013, 14, 2528-2533.	1.4	60
82	Aggregation-induced emission enhancement based on 11,11,12,12,-tetracyano-9,10-anthraquinodimethane. Chemical Communications, 2013, 49, 1199.	2.2	59
83	Single Grain Boundary Break Junction for Suspended Nanogap Electrodes with Gapwidth Down to 1â€“2 nm by Focused Ion Beam Milling. Advanced Materials, 2015, 27, 3002-3006.	11.1	59
84	Organicâ€Singleâ€Crystal Vertical Fieldâ€Effect Transistors and Phototransistors. Advanced Materials, 2018, 30, e1803655.	11.1	59
85	Green light-emitting diode from bromine based organic-inorganic halide perovskite. Science China Materials, 2015, 58, 186-191.	3.5	58
86	Largeâ€Size 2D Î²â€Cu₂S Nanosheets with Giant Phase Transition Temperature Lowering (120 K) Synthesized by a Novel Method of Superâ€Cooling Chemicalâ€Vaporâ€Deposition. Advanced Materials, 2016, 28, 8271-8276.	11.1	57
87	Twoâ€Dimensional Conjugated Polymer Synthesized by Interfacial Suzuki Reaction: Towards Electronic Device Applications. Angewandte Chemie - International Edition, 2020, 59, 9403-9407.	7.2	56
88	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
89	Electrically Conductive Coordination Polymers for Electronic and Optoelectronic Device Applications. Journal of Physical Chemistry Letters, 2021, 12, 1612-1630.	2.1	55
90	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

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91	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
92	Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. Topics in Current Chemistry, 2016, 374, 83.	3.0	52
93	Organic Nanowire Crystals Combine Excellent Device Performance and Mechanical Flexibility. Small, 2011, 7, 189-193.	5.2	51
94	The Impact of Interlayer Electronic Coupling on Charge Transport in Organic Semiconductors: A Case Study on Titanylphthalocyanine Single Crystals. Angewandte Chemie - International Edition, 2016, 55, 5206-5209.	7.2	51
95	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
96	Ordering Rigid Rod Conjugated Polymer Molecules for High Performance Photoswitchers. Langmuir, 2008, 24, 13241-13244.	1.6	50
97	Controlled growth and assembly of one-dimensional ordered nanostructures of organic functional materials. Soft Matter, 2011, 7, 1615-1630.	1.2	50
98	Cocrystals Strategy towards Materials for Nearâ€Infrared Photothermal Conversion and Imaging. Angewandte Chemie, 2018, 130, 4027-4031.	1.6	50
99	Integrating Efficient Optical Gain in Highâ€Mobility Organic Semiconductors for Multifunctional Optoelectronic Applications. Advanced Functional Materials, 2018, 28, 1802454.	7.8	50
100	Highâ€Performance Organic Nanoscale Photoswitches Based on Nanogap Electrodes Coated with a Blend of Poly(3â€hexylthiophene) and [6,6]â€Phenylâ€C61â€butyric Acid Methyl Ester (P3HT:PCBM). Advanced Materials, 2010, 22, 1645-1648.	11.1	48
101	Two-dimensional Cr₂O₃and interconnected grapheneâ€“Cr₂O₃nanosheets: synthesis and their application in lithium storage. Journal of Materials Chemistry A, 2014, 2, 944-948.	5.2	48
102	5-Alkyloxy-6-fluorobenzo[c][1,2,5]thiadiazole- and Silafluorene-Based Dâ€“A Alternating Conjugated Polymers: Synthesis and Application in Polymer Photovoltaic Cells. Macromolecules, 2014, 47, 4645-4652.	2.2	47
103	Nanogap Electrodes towards Solid State Singleâ€Molecule Transistors. Small, 2015, 11, 6115-6141.	5.2	47
104	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
105	Role of redox centre in charge transport investigated by novel self-assembled conjugated polymer molecular junctions. Nature Communications, 2015, 6, 7478.	5.8	43
106	Cocrystal Engineering: Toward Solutionâ€Processed Nearâ€Infrared 2D Organic Cocrystals for Broadband Photodetection. Angewandte Chemie - International Edition, 2021, 60, 6344-6350.	7.2	43
107	Organic Semiconductor Single Crystals for Xâ€ray Imaging. Advanced Materials, 2021, 33, e2104749.	11.1	43
108	Mobility dependence on the conducting channel dimension of organic field-effect transistors based on single-crystalline nanoribbons. Journal of Materials Chemistry, 2010, 20, 7029.	6.7	42

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109	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
110	Polycyclic aromatic hydrocarbon-based organic semiconductors: ring-closing synthesis and optoelectronic properties. Journal of Materials Chemistry C, 2022, 10, 2411-2430.	2.7	42
111	Recent advances in one-dimensional organic pâ€“n heterojunctions for optoelectronic device applications. Journal of Materials Chemistry C, 2016, 4, 9388-9398.	2.7	41
112	Highly Efficient Ionic Photocurrent Generation through WS₂â€Based 2D Nanofluidic Channels. Small, 2019, 15, e1905355.	5.2	41
113	Challenges of organic â€œcocrystalsâ€• Science China Materials, 2015, 58, 854-859.	3.5	39
114	Novel Air Stable Organic Radical Semiconductor of Dimers of Dithienothiophene, Single Crystals, and Fieldâ€Effect Transistors. Advanced Materials, 2016, 28, 7466-7471.	11.1	39
115	Electrochemical polymerization for two-dimensional conjugated polymers. Journal of Materials Chemistry C, 2018, 6, 10672-10686.	2.7	39
116	Oneâ€Pot Domino Carbonylation Protocol for Aromatic Diimides toward nâ€Type Organic Semiconductors. Angewandte Chemie - International Edition, 2020, 59, 14024-14028.	7.2	39
117	High performance n-type single crystalline transistors of naphthalene bis(dicarboximide) and their anisotropic transport in crystals. Chemical Communications, 2012, 48, 5154.	2.2	38
118	Side Chain Influence on the Morphology and Photovoltaic Performance of 5-Fluoro-6-alkyloxybenzothiadiazole and Benzodithiophene Based Conjugated Polymers. ACS Applied Materials & Interfaces, 2015, 7, 10710-10717.	4.0	38
119	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
120	Controllable growth of C₈-BTBT single crystalline microribbon arrays by a limited solvent vapor-assisted crystallization (LSVC) method. Journal of Materials Chemistry C, 2018, 6, 2419-2423.	2.7	37
121	Single crystal ribbons and transistors of a solution processed sickle-like fused-ring thienoacene. Journal of Materials Chemistry, 2010, 20, 6014.	6.7	36
122	Quick Fabrication of Large-area Organic Semiconductor Single Crystal Arrays with a Rapid Annealing Self-Solution-Shearing Method. Scientific Reports, 2015, 5, 13195.	1.6	36
123	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
124	Organic cocrystals: the development of ferroelectric properties. Science China Materials, 2016, 59, 523-530.	3.5	35
125	Inverse Magnetoresistance in Polymer Spin Valves. ACS Applied Materials & Interfaces, 2017, 9, 15644-15651.	4.0	35
126	Molecular Orientation and Field-effect Transistors of a Rigid Rod Conjugated Polymer Thin Films. Journal of Physical Chemistry B, 2009, 113, 4176-4180.	1.2	34

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127	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. Polymer Chemistry, 2015, 6, 4775-4783.	1.9	34
128	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. ACS Nano, 2018, 12, 12657-12664.	7.3	34
129	Construction of Two-Dimensional Chiral Networks through Atomic Bromine on Surfaces. Journal of Physical Chemistry Letters, 2017, 8, 326-331.	2.1	33
130	Versatile asymmetric thiophene/benzothiophene flanked diketopyrrolopyrrole polymers with ambipolar properties for OFETs and OSCs. Polymer Chemistry, 2017, 8, 5603-5610.	1.9	33
131	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. Angewandte Chemie - International Edition, 2021, 60, 281-289.	7.2	33
132	Controlled self-assembly and photovoltaic characteristics of porphyrin derivatives on a silicon surface at solidâ€“liquid interfaces. Soft Matter, 2014, 10, 2612.	1.2	32
133	Intermolecular Chargeâ€Transfer Interactions Facilitate Twoâ€Photon Absorption in Styrylpyridineâ€“Tetracyanobenzene Cocrystals. Angewandte Chemie, 2017, 129, 7939-7943.	1.6	32
134	Freeâ€Standing 2D Hexagonal Aluminum Nitride Dielectric Crystals for Highâ€Performance Organic Fieldâ€Effect Transistors. Advanced Materials, 2018, 30, e1801891.	11.1	32
135	Conjugated polymers with 2,7-linked 3,6-difluorocarbazole as donor unit for high efficiency polymer solar cells. Polymer Chemistry, 2013, 4, 2773.	1.9	31
136	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
137	Multi-walled carbon nanotubes covalently functionalized by axially coordinated metal-porphyrins: Facile syntheses and temporally dependent optical performance. Nano Research, 2016, 9, 458-472.	5.8	31
138	Molecular doped, color-tunable, high-mobility, emissive, organic semiconductors for light-emitting transistors. Science Advances, 2022, 8, .	4.7	31
139	Perovskite Photodetectors based on CH₃NH₃PbI₃ Single Crystals. Chemistry - an Asian Journal, 2016, 11, 2675-2679.	1.7	30
140	Recent progress on organic exciplex materials with different donorâ€“acceptor contacting modes for luminescent applications. Journal of Materials Chemistry C, 2021, 9, 16843-16858.	2.7	30
141	â€œRegioselective Depositionâ€•Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards Allâ€Solutionâ€Processed, Highâ€Performance, Bottomâ€Contacted, Flexible, Polymerâ€Based Electronics. Advanced Functional Materials, 2014, 24, 3783-3789.	7.8	29
142	Silver mirror reaction for organic electronics: towards high-performance organic field-effect transistors and circuits. Journal of Materials Chemistry C, 2014, 2, 4142.	2.7	29
143	Uncovering the Intramolecular Emission and Tuning the Nonlinear Optical Properties of Organic Materials by Cocrystallization. Angewandte Chemie, 2016, 128, 14229-14233.	1.6	29
144	Revealing molecular conformationâ€“induced stress at embedded interfaces of organic optoelectronic devices by sum frequency generation spectroscopy. Science Advances, 2021, 7, .	4.7	29

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145	Organic Single Crystals with High Photoluminescence Quantum Yields Close to 100% and High Mobility for Optoelectronic Devices. Advanced Materials, 2021, 33, e2105466.	11.1	29
146	Naphthyl substituted anthracene combining charge transport with light emission. Journal of Materials Chemistry C, 2015, 3, 10695-10698.	2.7	28
147	A General Method for Growing Twoâ€Dimensional Crystals of Organic Semiconductors by â€œSolution Epitaxyâ€• Angewandte Chemie, 2016, 128, 9671-9675.	1.6	28
148	Systematic Modulation of Charge Transport in Molecular Devices through Facile Control of Moleculeâ€“Electrode Coupling Using a Double Self-Assembled Monolayer Nanowire Junction. Journal of the American Chemical Society, 2020, 142, 9708-9717.	6.6	28
149	Molecular Weight Engineering in Highâ€Performance Ambipolar Emissive Mesopolymers. Angewandte Chemie - International Edition, 2021, 60, 14902-14908.	7.2	28
150	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
151	5,6-Difluorobenzothiadiazole and silafluorene based conjugated polymers for organic photovoltaic cells. Journal of Materials Chemistry C, 2014, 2, 5116-5123.	2.7	27
152	A novel angularly fused bistetracene: facile synthesis, crystal packing and single-crystal field effect transistors. Journal of Materials Chemistry C, 2017, 5, 1308-1312.	2.7	27
153	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
154	Molecular-scale integrated multi-functions for organic light-emitting transistors. Nano Research, 2020, 13, 1976-1981.	5.8	27
155	Influence of Intermolecular Nï£¿Hâ‹…â‹…â‹…Ï€ Interactions on Molecular Packing and Fieldâ€Effect Performance of Organic Semiconductors. ChemPhysChem, 2009, 10, 2345-2348.	1.0	26
156	Blending induced stack-ordering and performance improvement in a solution-processed n-type organic field-effect transistor. Journal of Materials Chemistry, 2010, 20, 1203-1207.	6.7	26
157	Largeâ€Area Singleâ€Crystalline Nanocone Arrays of an Organic Chargeâ€Transfer Complex: Controlling Growth, Characterization, and Applications. Small, 2011, 7, 1412-1415.	5.2	26
158	High Performance Phototransistors of a Planar Conjugated Copolymer. Macromolecular Rapid Communications, 2011, 32, 649-653.	2.0	26
159	Single crystal field-effect transistors containing a pentacene analogue and their application in ethanol vapor detection. Applied Physics Letters, 2012, 101, 103302.	1.5	26
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