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	Organic Semiconductor Single Crystals for Electronics and Photonics. Advanced Materials, 2018, 30, e1801048.	11.1	319
2	Organic crystalline materials in flexible electronics. Chemical Society Reviews, 2019, 48, 1492-1530.	18.7	314
3	2D Organic Materials for Optoelectronic Applications. Advanced Materials, 2018, 30, 1702415.	11.1	266
4	Cocrystals Strategy towards Materials for Nearâ€Infrared Photothermal Conversion and Imaging. Angewandte Chemie - International Edition, 2018, 57, 3963-3967.	7.2	255
5	Organic photodiodes and phototransistors toward infrared detection: materials, devices, and applications. Chemical Society Reviews, 2020, 49, 653-670.	18.7	246
6	Cocrystal Engineering: A Collaborative Strategy toward Functional Materials. Advanced Materials, 2019, 31, e1902328.	11.1	245
7	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
8	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
9	Intermolecular Chargeâ€Transfer Interactions Facilitate Twoâ€Photon Absorption in Styrylpyridineâ€“Tetracyanobenzene Cocrystals. Angewandte Chemie - International Edition, 2017, 56, 7831-7835.	7.2	146
10	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
11	Molecular cocrystals: design, charge-transfer and optoelectronic functionality. Physical Chemistry Chemical Physics, 2018, 20, 6009-6023.	1.3	143
12	Thiolactone copolymer donor gifts organic solar cells a 16.72% efficiency. Science Bulletin, 2019, 64, 1573-1576.	4.3	140
13	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
14	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
15	The Semiconductor/Conductor Interface Piezoresistive Effect in an Organic Transistor for Highly Sensitive Pressure Sensors. Advanced Materials, 2019, 31, e1805630.	11.1	115
16	Mesopolymer synthesis by ligand-modulated direct arylation polycondensation towards n-type and ambipolar conjugated systems. Nature Chemistry, 2019, 11, 271-277.	6.6	115
17	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
18	Solutionâ€Processed Centimeterâ€Scale Highly Aligned Organic Crystalline Arrays for Highâ€Performance Organic Fieldâ€Effect Transistors. Advanced Materials, 2020, 32, e1908388.	11.1	99

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19	Efficient Perovskite Solar Cells Fabricated by Co Partially Substituted Hybrid Perovskite. Advanced Energy Materials, 2018, 8, 1703178.	10.2	98
20	Highâ€Efficiency Singleâ€Component Organic Lightâ€Emitting Transistors. Advanced Materials, 2019, 31, e1903175.	11.1	98
21	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
22	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
23	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
24	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
25	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
26	Organicâ€“Inorganic Hybrid Nanomaterials for Electrocatalytic CO₂ Reduction. Small, 2020, 16, e2001847.	5.2	79
27	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
28	Verticalâ€organicâ€nanocrystalâ€arrays for crossbar memristors with tuning switching dynamics toward neuromorphic computing. SmartMat, 2021, 2, 99-108.	6.4	73
29	Stimuli-responsive behaviors of organic charge transfer cocrystals: recent advances and perspectives. Materials Chemistry Frontiers, 2020, 4, 715-728.	3.2	72
30	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
31	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
32	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
33	Challenges and Emerging Opportunities in Highâ€Mobility and Lowâ€Energyâ€Consumption Organic Fieldâ€Effect Transistors. Advanced Energy Materials, 2020, 10, 2000955.	10.2	63
34	2D Mica Crystal as Electret in Organic Fieldâ€Effect Transistors for Multistate Memory. Advanced Materials, 2016, 28, 3755-3760.	11.1	62
35	Aggregation-induced emission enhancement based on 11,11,12,12,-tetracyano-9,10-anthraquinodimethane. Chemical Communications, 2013, 49, 1199.	2.2	59
36	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

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37	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
38	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
39	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
40	Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. Topics in Current Chemistry, 2016, 374, 83.	3.0	52
41	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
42	Low-Voltage Organic Single-Crystal Field-Effect Transistor with Steep Subthreshold Slope. ACS Applied Materials & Interfaces, 2018, 10, 25871-25877.	4.0	50
43	Cocrystals Strategy towards Materials for Nearâ€Infrared Photothermal Conversion and Imaging. Angewandte Chemie, 2018, 130, 4027-4031.	1.6	50
44	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
45	A â€œPhase Separationâ€•Molecular Design Strategy Towards Largeâ€Area 2D Molecular Crystals. Advanced Materials, 2019, 31, e1901437.	11.1	44
46	Cocrystal Engineering: Toward Solutionâ€Processed Nearâ€Infrared 2D Organic Cocrystals for Broadband Photodetection. Angewandte Chemie - International Edition, 2021, 60, 6344-6350.	7.2	43
47	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
48	Construction of Largeâ€Area Ultrathin Conductive Metalâ€“Organic Framework Films through Vaporâ€Induced Conversion. Small, 2019, 15, e1804845.	5.2	42
49	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
50	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
51	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
52	Inverse Magnetoresistance in Polymer Spin Valves. ACS Applied Materials & Interfaces, 2017, 9, 15644-15651.	4.0	35
53	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. Polymer Chemistry, 2015, 6, 4775-4783.	1.9	34
54	Intermolecular Chargeâ€Transfer Interactions Facilitate Twoâ€Photon Absorption in Styrylpyridineâ€“Tetracyanobenzene Cocrystals. Angewandte Chemie, 2017, 129, 7939-7943.	1.6	32

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55	Freeâ€Standing 2D Hexagonal Aluminum Nitride Dielectric Crystals for Highâ€Performance Organic Fieldâ€Effect Transistors. Advanced Materials, 2018, 30, e1801891.	11.1	32
56	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
57	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
58	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
59	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
60	Revealing molecular conformationâ€“induced stress at embedded interfaces of organic optoelectronic devices by sum frequency generation spectroscopy. Science Advances, 2021, 7, .	4.7	29
61	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
62	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
63	Molecular-scale integrated multi-functions for organic light-emitting transistors. Nano Research, 2020, 13, 1976-1981.	5.8	27
64	Recent Advances in Growth of Largeâ€Sized 2D Single Crystals on Cu Substrates. Advanced Materials, 2021, 33, e2003956.	11.1	26
65	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
66	Molecular cocrystal odyssey to unconventional electronics and photonics. Science Bulletin, 2021, 66, 512-520.	4.3	25
67	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
68	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
69	Rubrene analogues with the aggregation-induced emission enhancement behaviour. Journal of Materials Chemistry C, 2014, 2, 884-890.	2.7	22
70	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
71	Mass Production of Nanogap Electrodes toward Robust Resistive Random Access Memory. Advanced Materials, 2016, 28, 8227-8233.	11.1	20
72	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

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73	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
74	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
75	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
76	High-performance optical memory transistors based on a novel organic semiconductor with nanosprouts. Nanoscale, 2019, 11, 7117-7122.	2.8	16
77	A New Biscarbazoleâ€Based Metalâ€“Organic Framework for Efficient Hostâ€“Guest Energy Transfer. Chemistry - A European Journal, 2019, 25, 1901-1905.	1.7	16
78	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
79	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
80	Cocrystal engineering for constructing two-photon absorption materials by controllable intermolecular interactions. Journal of Materials Chemistry C, 2022, 10, 2562-2568.	2.7	15
81	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
82	Research progress of rubrene as an excellent multifunctional organic semiconductor. Frontiers of Physics, 2021, 16, 1.	2.4	14
83	Anisotropic acoustic phonon polariton-enhanced infrared spectroscopy for single molecule detection. Nanoscale, 2021, 13, 12720-12726.	2.8	14
84	The prospects of organic semiconductor single crystals for spintronic applications. Journal of Materials Chemistry C, 2022, 10, 2507-2515.	2.7	14
85	Organic Cocrystals: Recent Advances and Perspectives for Electronic and Magnetic Applications. Frontiers in Chemistry, 2021, 9, 764628.	1.8	14
86	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
87	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
88	A new asymmetric anthracene derivative with high mobility. Science China Chemistry, 2019, 62, 251-255.	4.2	12
89	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
90	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

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91	Few-layered organic single-crystalline heterojunctions for high-performance phototransistors. Nano Research, 2022, 15, 2667-2673.	5.8	12
92	Lead-free perovskites: growth, properties, and applications. Science China Materials, 2021, 64, 2889-2914.	3.5	12
93	Synthesis and aggregation-induced emissions of thienyl substituted cyclobutene derivatives. Journal of Materials Chemistry C, 2014, 2, 5083-5086.	2.7	11
94	Assembly of Ï€â€Conjugated Nanosystems for Electronic Sensing Devices. Advanced Electronic Materials, 2017, 3, 1700209.	2.6	11
95	Organic Optoelectronics: 2D Organic Materials for Optoelectronic Applications (Adv. Mater. 2/2018). Advanced Materials, 2018, 30, 1870012.	11.1	11
96	Two-dimensional organic single-crystalline p-n junctions for ambipolar field transistors. Science China Materials, 2020, 63, 122-127.	3.5	11
97	Ultra-thin two-dimensional molecular crystals grown on a liquid surface for high-performance phototransistors. Chemical Communications, 2021, 57, 2669-2672.	2.2	11
98	Integrating Unexpected High Chargeâ€Carrier Mobility and Lowâ€Threshold Lasing Action in an Organic Semiconductor. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
99	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
100	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
101	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
102	New anthracene derivatives integrating high mobility and strong emission. Journal of Materials Chemistry C, 2018, 6, 13257-13260.	2.7	9
103	Two-dimensional conjugated polymers synthesized via on-surface chemistry. Science China Materials, 2020, 63, 172-176.	3.5	9
104	Solution-processed crystalline organic integrated circuits. Matter, 2021, 4, 3415-3443.	5.0	9
105	High-mobility thienothiophene integrating strong emission and high photoresponsivity for multifunctional optoelectronic applications. Organic Electronics, 2020, 87, 105941.	1.4	8
106	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
107	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
108	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

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109	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
110	The effect of electron-withdrawing substituents in asymmetric anthracene derivative semiconductors. Journal of Materials Chemistry C, 2021, 9, 4217-4222.	2.7	6
111	Low-power high-mobility organic single-crystal field-effect transistor. Science China Materials, 2022, 65, 2779-2785.	3.5	6
112	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
113	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
114	Diphenyleneâ€Tetracyanoquinodimethane Cocrystals as Stable Organic Rectifiers. ChemPlusChem, 2019, 84, 1245-1248.	1.3	5
115	Phenanthrene derivatives combined charge transport properties and strong solid-state emission. Science China Chemistry, 2019, 62, 916-920.	4.2	5
116	Eu-based coordination polymer microrods for low-loss optical waveguiding application. Nanoscale, 2019, 11, 21061-21067.	2.8	5
117	Cocrystal Engineering: Toward Solutionâ€Processed Nearâ€Infrared 2D Organic Cocrystals for Broadband Photodetection. Angewandte Chemie, 2021, 133, 6414-6420.	1.6	5
118	Efficient energy transfer in organic light-emitting transistor with tunable wavelength. Nano Research, 2022, 15, 3647-3652.	5.8	5
119	Highly Efficient Contact Doping for High-Performance Organic UV-Sensitive Phototransistors. Crystals, 2022, 12, 651.	1.0	5
120	TCNQ-based organic cocrystal integrated red emission and n-type charge transport. Frontiers of Optoelectronics, 2022, 15, .	1.9	5
121	A new pseudo rubrene analogue with excellent film forming ability. Science China Chemistry, 2011, 54, 631-635.	4.2	4
122	Enhanced stability of a rubrene analogue with a brickwork packing motif. Journal of Materials Chemistry C, 2017, 5, 8376-8379.	2.7	4
123	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
124	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
125	Growing two-dimensional single crystals of organic semiconductors on liquid surfaces. Applied Physics Letters, 2021, 119, .	1.5	3
126	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

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127	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
128	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
129	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
130	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
131	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
132	Integrating Unexpected High Chargeâ€Carrier Mobility and Lowâ€Threshold Lasing Action in an Organic Semiconductor. Angewandte Chemie, 2022, 134, .	1.6	1
133	Sensors: Assembly of Ï€â€Conjugated Nanosystems for Electronic Sensing Devices (Adv. Electron. Mater.) Tj ETQq1 1 0.784314 rgBT	2.6	0
134	Organic Lightâ€Emitting Transistors: Highâ€Efficiency Singleâ€Component Organic Lightâ€Emitting Transistors (Adv. Mater. 37/2019). Advanced Materials, 2019, 31, 1970266.	11.1	0
135	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
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