

Huanli Dong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

290
papers

15,380
citations

58
h-index

116
g-index

301
ext. papers

17,881
ext. citations

12
avg, IF

6.96
L-index

#	Paper	IF	Citations
290	MAPbI Photodetectors with 4.7 MHz Bandwidth and Their Application in Organic Optocouplers.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 815-821	6.4	0
289	Research on Key Materials and Devices of Organic Light-emitting Transistors?. <i>Acta Chimica Sinica</i> , 2022 , 80, 327	3.3	1
288	Efficient energy transfer in organic light-emitting transistor with tunable wavelength. <i>Nano Research</i> , 2022 , 15, 3647-3652	10	1
287	Creating Organic Functional Materials beyond Chemical Bond Synthesis by Organic Cocrystal Engineering. <i>Journal of the American Chemical Society</i> , 2021 , 143, 19243-19256	16.4	12
286	Redistributed Current Density in Lateral Organic Light-emitting Transistors Enabling Uniform Area Emission with Good Stability and Arbitrary Tunability. <i>Advanced Materials</i> , 2021 , e2108795	24	7
285	Recent progress on organic exciplex materials with different donor-acceptor contacting modes for luminescent applications. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 16843-16858	7.1	6
284	Polymer-Assisted Space-Confined Strategy for the Foot-Scale Synthesis of Flexible Metal-Organic Framework-Based Composite Films. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17526-17534	16.4	3
283	Intrinsic Linear Dichroism of Organic Single Crystals toward High-Performance Polarization-Sensitive Photodetectors. <i>Advanced Materials</i> , 2021 , e2105665	24	6
282	Organic Single Crystals with High Photoluminescence Quantum Yields Close to 100% and High Mobility for Optoelectronic Devices. <i>Advanced Materials</i> , 2021 , 33, e2105466	24	6
281	Oriented Conjugated Copolymer Films with Controlled Crystal Forms and Molecular Stacking Modes for Enhanced Charge Transport and Photoresponsivity. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 2098-2108	4.3	1
280	1D Mixed-Stack Cocrystals Based on Perylene Diimide toward Ambipolar Charge Transport. <i>Small</i> , 2021 , 17, e2006574	11	6
279	Revealing molecular conformation-induced stress at embedded interfaces of organic optoelectronic devices by sum frequency generation spectroscopy. <i>Science Advances</i> , 2021 , 7,	14.3	15
278	Organic Light-Emitting Transistors Entering a New Development Stage. <i>Advanced Materials</i> , 2021 , 33, e2007149	24	33
277	Molecular Weight Engineering in High-Performance Ambipolar Emissive Mesopolymers. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14902-14908	16.4	13
276	Organic permeable base light-emitting transistor: a new concept device architecture for display technology. <i>Science China Chemistry</i> , 2021 , 64, 1261-1262	7.9	1
275	Well-balanced ambipolar diketopyrrolopyrrole-based copolymers for OFETs, inverters and frequency doublers. <i>Science China Chemistry</i> , 2021 , 64, 1410-1416	7.9	5
274	Molecular Weight Engineering in High-Performance Ambipolar Emissive Mesopolymers. <i>Angewandte Chemie</i> , 2021 , 133, 15028-15034	3.6	2

273	Polymorph and anisotropic Raman spectroscopy of Phz-H2ca cocrystals. <i>Science China Materials</i> , 2021 , 64, 169-178	7.1	3
272	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie</i> , 2021 , 133, 285-293	3.6	2
271	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 281-289	16.4	16
270	Unveiling the role of Fe3O4 in polymer spin valve near Verwey transition. <i>Nano Research</i> , 2021 , 14, 304-310	3.1	4
269	Copper Tetracyanoquinodimethane: From Micro/Nanostructures to Applications. <i>Small</i> , 2021 , 17, e2004143	14.3	2
268	Cocrystal Engineering: Toward Solution-Processed Near-Infrared 2D Organic Cocrystals for Broadband Photodetection. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6344-6350	16.4	18
267	A minireview on chemical vapor deposition growth of wafer-scale monolayer -BN single crystals. <i>Nanoscale</i> , 2021 , 13, 17310-17317	7.7	1
266	Electrically Conductive Coordination Polymers for Electronic and Optoelectronic Device Applications. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 1612-1630	6.4	20
265	Tailoring the strength and number of halogen bonds toward room temperature phosphorescent micro-cocrystals. <i>Nano Select</i> , 2021 , 2, 1509-1516	3.1	1
264	Cocrystal Engineering: Toward Solution-Processed Near-Infrared 2D Organic Cocrystals for Broadband Photodetection. <i>Angewandte Chemie</i> , 2021 , 133, 6414-6420	3.6	3
263	Vertical-organic-nanocrystal-arrays for crossbar memristors with tuning switching dynamics toward neuromorphic computing. <i>SmartMat</i> , 2021 , 2, 99-108	22.8	32
262	High Mobility Organic Lasing Semiconductor with Crystallization-Enhanced Emission for Light-Emitting Transistors. <i>Angewandte Chemie</i> , 2021 , 133, 20436-20441	3.6	1
261	High Mobility Organic Lasing Semiconductor with Crystallization-Enhanced Emission for Light-Emitting Transistors. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20274-20279	16.4	6
260	Organic Light-Emitting Transistors: Organic Light-Emitting Transistors Entering a New Development Stage (Adv. Mater. 31/2021). <i>Advanced Materials</i> , 2021 , 33, 2170245	24	
259	Organic Semiconductor Crystal Engineering for High-Resolution Layer-Controlled 2D Crystal Arrays. <i>Advanced Materials</i> , 2021 , e2104166	24	4
258	Organic Semiconductor Single Crystals for X-ray Imaging. <i>Advanced Materials</i> , 2021 , 33, e2104749	24	14
257	Application of Triplet-Triplet Annihilation Upconversion in Organic Optoelectronic Devices: Advances and Perspectives. <i>Advanced Materials</i> , 2021 , 33, e2100704	24	15
256	A novel rare-earth luminescent coordination polymer showing potential semiconductor characteristic constructed by anthracene-based dicarboxylic acid ligand (H2L). <i>Journal of Molecular Structure</i> , 2021 , 1243, 130788	3.4	1

255	A general route towards two-dimensional organic crystal-based functional fibriform transistors for wearable electronic textiles. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 472-480	7.1	5
254	Solution-Processed, Large-Area, Two-Dimensional Crystals of Organic Semiconductors for Field-Effect Transistors and Phototransistors. <i>ACS Central Science</i> , 2020 , 6, 636-652	16.8	30
253	One-Pot Domino Carbonylation Protocol for Aromatic Diimides toward n-Type Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14024-14028	16.4	14
252	One-Pot Domino Carbonylation Protocol for Aromatic Diimides toward n-Type Organic Semiconductors. <i>Angewandte Chemie</i> , 2020 , 132, 14128-14132	3.6	0
251	Molecular-scale integrated multi-functions for organic light-emitting transistors. <i>Nano Research</i> , 2020 , 13, 1976-1981	10	16
250	Red-emissive poly(phenylene vinylene)-derivated semiconductors with well-balanced ambipolar electrical transporting properties. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10868-10879	7.1	14
249	Laterally Heterogeneous 2D Layered Materials as an Artificial Light-Harvesting Proton Pump. <i>Advanced Functional Materials</i> , 2020 , 30, 2001549	15.6	6
248	Challenges and Emerging Opportunities in High-Mobility and Low-Energy-Consumption Organic Field-Effect Transistors. <i>Advanced Energy Materials</i> , 2020 , 10, 2000955	21.8	24
247	Self-polarized Poly(vinylidene fluoride) Ultrathin Film and Its Piezo/Ferroelectric Properties. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29818-29825	9.5	5
246	Organic Laser Molecule with High Mobility, High Photoluminescence Quantum Yield, and Deep-Blue Lasing Characteristics. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6332-6339	16.4	53
245	Two-Dimensional Conjugated Polymer Synthesized by Interfacial Suzuki Reaction: Towards Electronic Device Applications. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9403-9407	16.4	35
244	Two-Dimensional Conjugated Polymer Synthesized by Interfacial Suzuki Reaction: Towards Electronic Device Applications. <i>Angewandte Chemie</i> , 2020 , 132, 9489-9493	3.6	4
243	Rational Control of Charge Transfer Excitons Toward High-Contrast Reversible Mechanoresponsive Luminescent Switching. <i>Angewandte Chemie</i> , 2020 , 132, 17733-17739	3.6	9
242	Rational Control of Charge Transfer Excitons Toward High-Contrast Reversible Mechanoresponsive Luminescent Switching. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 17580-17586	16.4	36
241	Organic UV-Sensitive Phototransistors Based on Distriphenylamineethynylpyrene Derivatives with Ultra-High Detectivity Approaching 10. <i>Advanced Materials</i> , 2020 , 32, e1907791	24	39
240	A new fluorescent quinoline derivative toward the acid-responsivity in both solution and solid states. <i>Chinese Chemical Letters</i> , 2020 , 31, 2909-2912	8.1	12
239	Preparing two-dimensional crystalline conjugated polymer films by synergetic polymerization and self-assembly at air/water interface. <i>Polymer Chemistry</i> , 2020 , 11, 1572-1579	4.9	5
238	Systematic Modulation of Charge Transport in Molecular Devices through Facile Control of Molecule-Electrode Coupling Using a Double Self-Assembled Monolayer Nanowire Junction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9708-9717	16.4	12

237	Synthesis and Property Study of Field-effect Emissive Conjugated Polymers Based on Styrene and Benzothiadiazole. <i>Acta Chimica Sinica</i> , 2020 , 78, 945	3.3	6
236	Photoinduced Directional Proton Transport through Printed Asymmetric Graphene Oxide Superstructures: A New Driving Mechanism under Full-Area Light Illumination. <i>Advanced Functional Materials</i> , 2020 , 30, 1907549	15.6	13
235	Efficient Construction of Highly-fused Diperylene Bismides by Cu/Oxalic Diamide-promoted Zipper-mode Double C-H Activation. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 110-114	2.2	1
234	All-acceptor polymers with noncovalent interactions for efficient ambipolar transistors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 2094-2101	7.1	8
233	Enhanced ambipolar charge transport for efficient organic single crystal light-emitting transistors with a narrowed ambipolar regime. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16333-16338	7.1	3
232	Organic Field-Effect Transistors: Challenges and Emerging Opportunities in High-Mobility and Low-Energy-Consumption Organic Field-Effect Transistors (Adv. Energy Mater. 29/2020). <i>Advanced Energy Materials</i> , 2020 , 10, 2070126	21.8	1
231	High-performance amorphous organic semiconductor-based vertical field-effect transistors and light-emitting transistors. <i>Nanoscale</i> , 2020 , 12, 18371-18378	7.7	14
230	Substitution site effect of naphthyl substituted anthracene derivatives and their applications in organic optoelectronics. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15597-15602	7.1	0
229	Molecular doped organic semiconductor crystals for optoelectronic device applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14996-15008	7.1	11
228	Two-dimensional conjugated polymers synthesized via on-surface chemistry. <i>Science China Materials</i> , 2020 , 63, 172-176	7.1	5
227	All-covalently-implanted FETs with ultrahigh solvent resistibility and exceptional electrical stability, and their applications for liver cancer biomarker detection. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 7436-7446	7.1	7
226	A Transfer Method for High-Mobility, Bias-Stable, and Flexible Organic Field-Effect Transistors. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000169	6.8	7
225	Quadruply B<-N-Fused Dibenzo-azaacene with High Electron Affinity and High Electron Mobility. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17015-17021	16.4	41
224	Mesopolymer synthesis by ligand-modulated direct arylation polycondensation towards n-type and ambipolar conjugated systems. <i>Nature Chemistry</i> , 2019 , 11, 271-277	17.6	67
223	Organic crystalline materials in flexible electronics. <i>Chemical Society Reviews</i> , 2019 , 48, 1492-1530	58.5	202
222	Conjugated polymer crystals via topochemical polymerization. <i>Science China Chemistry</i> , 2019 , 62, 1271-1274	7.4	11
221	Reversible Modification of Nitrogen-Doped Graphene Based on Se-N Dynamic Covalent Bonds for Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24360-24366	9.5	8
220	Two-Pathway Viewpoint to Interpret Quantum Interference in Molecules Containing Five-Membered Heterocycles: Thienoacenes as Examples. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 15977-15984	3.8	1

219	A case study of tuning the crystal polymorphs of organic semiconductors towards simultaneously improved light emission and field-effect properties. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5925-5930	7.1	14
218	Fully Printed Flexible Crossbar Memory Devices with Tip-Enhanced Micro/Nanostructures. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900131	6.4	8
217	Hexyl substitution of pentathienoacene toward a significant improvement in charge transport. <i>Chinese Chemical Letters</i> , 2019 , 30, 903-905	8.1	2
216	Channel-restricted meniscus self-assembly for uniformly aligned growth of single-crystal arrays of organic semiconductors. <i>Materials Today</i> , 2019 , 24, 17-25	21.8	75
215	High-Efficiency Single-Component Organic Light-Emitting Transistors. <i>Advanced Materials</i> , 2019 , 31, e1902175	17.5	72
214	Organic Single-Crystal Spintronics: Magnetoresistance Devices with High Magnetic-Field Sensitivity. <i>ACS Nano</i> , 2019 , 13, 9491-9497	16.7	10
213	Transmission mechanism and quantum interference in fused thienoacenes coupling to Au electrodes through the thiophene rings. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 16293-16301	3.6	1
212	Crystal Engineering of Organic Optoelectronic Materials. <i>CheM</i> , 2019 , 5, 2814-2853	16.2	71
211	Organic Light-Emitting Transistors: High-Efficiency Single-Component Organic Light-Emitting Transistors (Adv. Mater. 37/2019). <i>Advanced Materials</i> , 2019 , 31, 1970266	24	
210	Highly Efficient Ionic Photocurrent Generation through WS ₂ -Based 2D Nanofluidic Channels. <i>Small</i> , 2019 , 15, e1905355	11	23
209	Vertical Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2019 , 29, 1808453	15.6	38
208	Band-like transport in small-molecule thin films toward high mobility and ultrahigh detectivity phototransistor arrays. <i>Nature Communications</i> , 2019 , 10, 12	17.4	107
207	Organic single-crystal phototransistor with unique wavelength-detection characteristics. <i>Science China Materials</i> , 2019 , 62, 729-735	7.1	15
206	Carbon nanotubes assisting interchain charge transport in semiconducting polymer thin films towards much improved charge carrier mobility. <i>Science China Materials</i> , 2019 , 62, 813-822	7.1	6
205	Ambipolar Conjugated Polymers with Ultrahigh Balanced Hole and Electron Mobility for Printed Organic Complementary Logic via a Two-Step C-H Activation Strategy. <i>Advanced Materials</i> , 2019 , 31, e1806010	24	43
204	Anisotropic Magnetoresistance in NiFe-Based Polymer Spin Valves. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11654-11659	9.5	8
203	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metal-Organic Frameworks, Metal Nanoparticles, and Micro- and Mesoporous Polymers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5708-5713	16.4	108
202	N-Type 2D Organic Single Crystals for High-Performance Organic Field-Effect Transistors and Near-Infrared Phototransistors. <i>Advanced Materials</i> , 2018 , 30, e1706260	24	119

201	Organic Single Crystals: N-Type 2D Organic Single Crystals for High-Performance Organic Field-Effect Transistors and Near-Infrared Phototransistors (Adv. Mater. 16/2018). <i>Advanced Materials</i> , 2018 , 30, 1870114	24	5
200	Effective and Selective Catalysts for Cinnamaldehyde Hydrogenation: Hydrophobic Hybrids of Metal-Organic Frameworks, Metal Nanoparticles, and Micro- and Mesoporous Polymers. <i>Angewandte Chemie</i> , 2018 , 130, 5810-5815	3.6	27
199	Cocrystals Strategy towards Materials for Near-Infrared Photothermal Conversion and Imaging. <i>Angewandte Chemie</i> , 2018 , 130, 4027-4031	3.6	32
198	Controllable growth of C8-BTBT single crystalline microribbon arrays by a limited solvent vapor-assisted crystallization (LSVC) method. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2419-2423	7.1	29
197	Quinoline-Flanked Diketopyrrolopyrrole Copolymers Breaking through Electron Mobility over 6 cm V s in Flexible Thin Film Devices. <i>Advanced Materials</i> , 2018 , 30, 1704843	24	73
196	Cocrystals Strategy towards Materials for Near-Infrared Photothermal Conversion and Imaging. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3963-3967	16.4	143
195	Organic Optoelectronics: 2D Organic Materials for Optoelectronic Applications (Adv. Mater. 2/2018). <i>Advanced Materials</i> , 2018 , 30, 1870012	24	8
194	Highly transparent, strong, and flexible fluorographene/fluorinated polyimide nanocomposite films with low dielectric constant. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6378-6384	7.1	62
193	High performance organic transistors and phototransistors based on diketopyrrolopyrrole-quaterthiophene copolymer thin films fabricated via low-concentration solution processing. <i>Chinese Chemical Letters</i> , 2018 , 29, 1675-1680	8.1	17
192	A new organic compound of 2-(2,2-diphenylethenyl)anthracene (DPEA) showing simultaneous electrical charge transport property and AIE optical characteristics. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3856-3860	7.1	22
191	Solvatomechanical Bending of Organic Charge Transfer Cocrystal. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6186-6189	16.4	63
190	Ultrathin silica film derived with ultraviolet irradiation of perhydropolysilazane for high performance and low voltage organic transistor and inverter. <i>Science China Materials</i> , 2018 , 61, 1237-1242	7.1	5
189	2D Organic Materials for Optoelectronic Applications. <i>Advanced Materials</i> , 2018 , 30, 1702415	24	201
188	Halogenated Tetraazapentacenes with Electron Mobility as High as 27.8 cm V s in Solution-Processed n-Channel Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2018 , 30, e1803467	24	110
187	Organic Semiconductor Single Crystals for Electronics and Photonics. <i>Advanced Materials</i> , 2018 , 30, e1801048	24	211
186	Integrating Efficient Optical Gain in High-Mobility Organic Semiconductors for Multifunctional Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2018 , 28, 1802454	15.6	29
185	Organic Field-Effect Transistor for Energy-Related Applications: Low-Power-Consumption Devices, Near-Infrared Phototransistors, and Organic Thermoelectric Devices. <i>Advanced Energy Materials</i> , 2018 , 8, 1801003	21.8	73
184	Copolymer dielectrics with balanced chain-packing density and surface polarity for high-performance flexible organic electronics. <i>Nature Communications</i> , 2018 , 9, 2339	17.4	52

183	Two-Dimensional High-Quality Monolayered Triangular WS Flakes for Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22435-22444	9.5	46
182	Organic semiconductor crystals. <i>Chemical Society Reviews</i> , 2018 , 47, 422-500	58.5	429
181	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. <i>ACS Nano</i> , 2018 , 12, 12657-12664	16.7	23
180	Organic field-effect optical waveguides. <i>Nature Communications</i> , 2018 , 9, 4790	17.4	54
179	Electrochemical polymerization for two-dimensional conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10672-10686	7.1	29
178	Organic-Single-Crystal Vertical Field-Effect Transistors and Phototransistors. <i>Advanced Materials</i> , 2018 , 30, e1803655	24	34
177	Fullerene-derivative as interlayer for high performance organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6052-6057	7.1	5
176	Free-Standing 2D Hexagonal Aluminum Nitride Dielectric Crystals for High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2018 , 30, e1801891	24	20
175	An Asymmetric Furan/Thieno[3,2-b]Thiophene Diketopyrrolopyrrole Building Block for Annealing-Free Green-Solvent Processable Organic Thin-Film Transistors. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800225	4.8	20
174	A novel angularly fused bistetracene: facile synthesis, crystal packing and single-crystal field effect transistors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1308-1312	7.1	22
173	Surface Polarity and Self-Structured Nanogrooves Collaboratively Oriented Molecular Packing for High Crystallinity toward Efficient Charge Transport. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2734-2740	16.4	57
172	Enhancing field-effect mobility and maintaining solid-state emission by incorporating 2,6-diphenyl substitution to 9,10-bis(phenylethynyl)anthracene. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2519-2523	7.1	19
171	Field-Effect Devices: Molecular Crystal Engineering: Tuning Organic Semiconductor from p-type to n-type by Adjusting Their Substitutional Symmetry (Adv. Mater. 10/2017). <i>Advanced Materials</i> , 2017 , 29,	24	1
170	Intermolecular Charge-Transfer Interactions Facilitate Two-Photon Absorption in Styrylpyridine-Tetracyanobenzene Cocrystals. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7831-7835	16.4	102
169	Inverse Magnetoresistance in Polymer Spin Valves. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15644-15651	9.5	27
168	Intermolecular Charge-Transfer Interactions Facilitate Two-Photon Absorption in Styrylpyridine-Tetracyanobenzene Cocrystals. <i>Angewandte Chemie</i> , 2017 , 129, 7939-7943	3.6	27
167	Comparable charge transport property based on S \cdots S interactions with that of π - π stacking in a bis-fused tetrathiafulvalene compound. <i>Science China Chemistry</i> , 2017 , 60, 510-515	7.9	6
166	Construction of Two-Dimensional Chiral Networks through Atomic Bromine on Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 326-331	6.4	23

165	Tuning crystal polymorphs of a π -extended tetrathiafulvalene-based cruciform molecule towards high-performance organic field-effect transistors. <i>Science China Materials</i> , 2017 , 60, 75-82	7.1	9
164	Molecular Crystal Engineering: Tuning Organic Semiconductor from p-type to n-type by Adjusting Their Substitutional Symmetry. <i>Advanced Materials</i> , 2017 , 29, 1605053	24	47
163	Asymmetric thiophene/pyridine flanked diketopyrrolopyrrole polymers for high performance polymer ambipolar field-effect transistors and solar cells. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 566-572	7.1	38
162	Short-Wave Near-Infrared Linear Dichroism of Two-Dimensional Germanium Selenide. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14976-14982	16.4	191
161	Random Access Memory: Organic Ferroelectric-Based 1T1T Random Access Memory Cell Employing a Common Dielectric Layer Overcoming the Half-Selection Problem (Adv. Mater. 34/2017). <i>Advanced Materials</i> , 2017 , 29,	24	5
160	Organic Ferroelectric-Based 1T1T Random Access Memory Cell Employing a Common Dielectric Layer Overcoming the Half-Selection Problem. <i>Advanced Materials</i> , 2017 , 29, 1701907	24	34
159	Enhanced stability of a rubrene analogue with a brickwork packing motif. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8376-8379	7.1	3
158	Approaching Intra- and Interchain Charge Transport of Conjugated Polymers Facilely by Topochemical Polymerized Single Crystals. <i>Advanced Materials</i> , 2017 , 29, 1701251	24	84
157	Versatile asymmetric thiophene/benzothiophene flanked diketopyrrolopyrrole polymers with ambipolar properties for OFETs and OSCs. <i>Polymer Chemistry</i> , 2017 , 8, 5603-5610	4.9	26
156	Aromatic Extension at 2,6-Positions of Anthracene toward an Elegant Strategy for Organic Semiconductors with Efficient Charge Transport and Strong Solid State Emission. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17261-17264	16.4	124
155	Halogen bonded cocrystal polymorphs of 1,4-di(4?-pyridyl)-1,3-diacetylene. <i>CrystEngComm</i> , 2017 , 19, 4505-4509	3.3	13
154	Solution-Processed Flexible Organic Ferroelectric Phototransistor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43880-43885	9.5	19
153	Organic cocrystals: the development of ferroelectric properties. <i>Science China Materials</i> , 2016 , 59, 523-530	7.1	25
152	Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. <i>Topics in Current Chemistry</i> , 2016 , 374, 83	7.2	37
151	Mass Production of Nanogap Electrodes toward Robust Resistive Random Access Memory. <i>Advanced Materials</i> , 2016 , 28, 8227-8233	24	18
150	Large-Size 2D CuS Nanosheets with Giant Phase Transition Temperature Lowering (120 K) Synthesized by a Novel Method of Super-Cooling Chemical-Vapor-Deposition. <i>Advanced Materials</i> , 2016 , 28, 8271-8276	24	46
149	Co-crystal engineering: a novel method to obtain one-dimensional (1D) carbon nanocrystals of corannulene-fullerene by a solution process. <i>Nanoscale</i> , 2016 , 8, 14920-4	7.7	47
148	High-Performance All-Polymer Photoresponse Devices Based on Acceptor-Acceptor Conjugated Polymers. <i>Advanced Functional Materials</i> , 2016 , 26, 6306-6315	15.6	79

147	Multilevel Investigation of Charge Transport in Conjugated Polymers. <i>Accounts of Chemical Research</i> , 2016 , 49, 2435-2443	24.3	56
146	Spiro-OMeTAD single crystals: Remarkably enhanced charge-carrier transport via mesoscale ordering. <i>Science Advances</i> , 2016 , 2, e1501491	14.3	96
145	Tuning the aggregation structure and electrical property of 2.6-diphenyl-anthracene by the density of octadecyltrichlorosilane. <i>Science China Chemistry</i> , 2016 , 59, 1645-1650	7.9	4
144	Gibbs-Curie-Wulff Theorem in Organic Materials: A Case Study on the Relationship between Surface Energy and Crystal Growth. <i>Advanced Materials</i> , 2016 , 28, 1697-702	24	55
143	The Impact of Interlayer Electronic Coupling on Charge Transport in Organic Semiconductors: A Case Study on Titanylphthalocyanine Single Crystals. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5206-9	16.4	38
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