

Wenping Hu

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.

692
papers

30,214
citations

86
h-index

146
g-index

757
ext. papers

35,551
ext. citations

11.5
avg, IF

7.67
L-index

#	Paper	IF	Citations
692	Cocrystal engineering: Tuning the charge transfer excitons for highly sensitive luminescent switching materials under multiple stimuli. <i>Science China Materials</i> , 2022 , 65, 1320	7.1	1
691	Two Dimensional Covalent Organic Frameworks: From Synthetic Strategies to Advanced optical-electrical-magnetic Functionalities.. <i>Advanced Materials</i> , 2022 , e2102290	24	13
690	Additive-Assisted Growth of Scaled and Quality 2D Materials.. <i>Small</i> , 2022 , e2107241	11	4
689	Asymmetric Chemical Functionalization of Top-Contact Electrodes: Tuning the Charge Injection for High Performance MoS Field-Effect Transistors and Schottky Diodes.. <i>Advanced Materials</i> , 2022 , e2109445	24	1
688	Coherently degenerate state engineering of organic small molecule materials to generate Wannier excitons. <i>Chemical Physics Impact</i> , 2022 , 4, 100062	1.6	0
687	Perspectives of ionic covalent organic frameworks for rechargeable batteries. <i>Coordination Chemistry Reviews</i> , 2022 , 458, 214431	23.2	3
686	Iron regulates the interfacial charge distribution of transition metal phosphides for enhanced oxygen evolution reaction.. <i>Journal of Colloid and Interface Science</i> , 2022 , 615, 725-731	9.3	0
685	Enhanced redox activity and oxygen vacancies of perovskite triggered by copper incorporation for the improvement of electro-Fenton activity. <i>Chemical Engineering Journal</i> , 2022 , 428, 131352	14.7	8
684	Enhanced electron transfer and hydrogen peroxide activation capacity with N, P-codoped carbon encapsulated CeO in heterogeneous electro-Fenton process. <i>Chemosphere</i> , 2022 , 287, 132154	8.4	4
683	Research on Key Materials and Devices of Organic Light-emitting Transistors?. <i>Acta Chimica Sinica</i> , 2022 , 80, 327	3.3	1
682	Band-Like Charge Transport in Small-Molecule Thin Film toward High-Performance Organic Phototransistors at Low Temperature. <i>Advanced Optical Materials</i> , 2022 , 10, 2102484	8.1	3
681	Topological supramolecular network enabled high-conductivity, stretchable organic bioelectronics.. <i>Science</i> , 2022 , 375, 1411-1417	33.3	29
680	Negative Phototransistors with Ultrahigh Sensitivity and Weak-Light Detection Based on 1D/2D Molecular Crystal p-n Heterojunctions and their Application in Light Encoders.. <i>Advanced Materials</i> , 2022 , e2201364	24	5
679	Balancing the film strain of organic semiconductors for ultrastable organic transistors with a five-year lifetime.. <i>Nature Communications</i> , 2022 , 13, 1480	17.4	3
678	Pathway Manipulation via Ni, Co, and V Ternary Synergism to Realize High Efficiency for Urea Electrocatalytic Oxidation. <i>ACS Catalysis</i> , 2022 , 12, 569-579	13.1	13
677	Efficient energy transfer in organic light-emitting transistor with tunable wavelength. <i>Nano Research</i> , 2022 , 15, 3647-3652	10	1
676	High-performance five-ring-fused organic semiconductors for field-effect transistors.. <i>Chemical Society Reviews</i> , 2022 ,	58.5	6

675	Oxygen-Assisted Anisotropic Chemical Etching of MoSe ₂ for Enhanced Phototransistors. <i>Chemistry of Materials</i> , 2022 , 34, 4212-4223	9.6	2
674	Highly Efficient Contact Doping for High-Performance Organic UV-Sensitive Phototransistors. <i>Crystals</i> , 2022 , 12, 651	2.3	1
673	Octahedron of zero-valent and mono-valent copper anchored on nitrogen doping porous carbon to enhance heterogeneous electro-Fenton like activity. <i>Journal of Water Process Engineering</i> , 2022 , 47, 102803	6.7	0
672	Continuous orientated growth of scaled single-crystal 2D monolayer films. <i>Nanoscale Advances</i> , 2021 , 3, 6545-6567	5.1	0
671	Constructing Cu ₂ O/Bi ₂ MoO ₆ p-n heterojunction towards boosted photo-assisted-electro-Fenton-like synergy degradation of ciprofloxacin. <i>Environmental Science: Nano</i> , 2021 , 8, 3629-3642	7.1	0
670	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
669	Solution-processed crystalline organic integrated circuits. <i>Matter</i> , 2021 , 4, 3415-3443	12.7	2
668	Capillary Confinement Crystallization for Monolayer Molecular Crystal Arrays. <i>Advanced Materials</i> , 2021 , e2107574	24	6
667	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
666	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
665	Recent Advances in Interface Engineering for Electrocatalytic CO Reduction Reaction. <i>Nano-Micro Letters</i> , 2021 , 13, 216	19.5	6
664	Amine-Anchored Aromatic Self-Assembled Monolayer Junction: Structure and Electric Transport Properties. <i>Langmuir</i> , 2021 , 37, 12223-12233	4	
663	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
662	Intrinsic Linear Dichroism of Organic Single Crystals toward High-Performance Polarization-Sensitive Photodetectors. <i>Advanced Materials</i> , 2021 , e2105665	24	6
661	Color-Tunable Supramolecular Luminescent Materials. <i>Advanced Materials</i> , 2021 , e2105405	24	11
660	Organic Field-Effect Transistor-Based Biosensors with Enhanced Sensitivity and Reliability under Illumination for Carcinoembryonic Antigen Bioassay. <i>Analytical Chemistry</i> , 2021 , 93, 15167-15174	7.8	
659	Ultrasensitive and Reliable Organic Field-Effect Transistor-Based Biosensors in Early Liver Cancer Diagnosis. <i>Analytical Chemistry</i> , 2021 , 93, 6188-6194	7.8	13
658	Deep insight into the charge transfer interactions in 1,2,4,5-tetracyanobenzene-phenazine cocrystal. <i>Chinese Chemical Letters</i> , 2021 , 32, 3007-3007	8.1	4

657	Effect of contact resistance in organic field-effect transistors. <i>Nano Select</i> , 2021 , 2, 1661-1681	3.1	6
656	Organic thin film transistors-based biosensors. <i>EcoMat</i> , 2021 , 3, e12094	9.4	17
655	Dual-function surfactant strategy for two-dimensional organic semiconductor crystals towards high-performance organic field-effect transistors. <i>Science China Chemistry</i> , 2021 , 64, 1057-1062	7.9	7
654	Functionalization of Low-k Polyimide Gate Dielectrics with Self-Assembly Monolayer Toward High-Performance Organic Field-Effect Transistors and Circuits. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100217	4.6	6
653	2D MXene-Molecular Hybrid Additive for High-Performance Ambipolar Polymer Field-Effect Transistors and Logic Gates. <i>Advanced Materials</i> , 2021 , 33, e2008215	24	7
652	1D Mixed-Stack Cocrystals Based on Perylene Diimide toward Ambipolar Charge Transport. <i>Small</i> , 2021 , 17, e2006574	11	6
651	Directly Patterning Conductive Polymer Electrodes on Organic Semiconductor via In Situ Polymerization in Microchannels for High-Performance Organic Transistors. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 17852-17860	9.5	9
650	Regulating the Solvation Sheath of Li Ions by Using Hydrogen Bonds for Highly Stable Lithium-Metal Anodes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10871-10879	16.4	35
649	Sequence modulation of tunneling barrier and charge transport across histidine doped oligo-alanine molecular junctions. <i>Chinese Chemical Letters</i> , 2021 , 32, 3782-3782	8.1	0
648	The More, the Better Recent Advances in Construction of 2D Multi-Heterostructures. <i>Advanced Functional Materials</i> , 2021 , 31, 2102049	15.6	9
647	Regulating the Solvation Sheath of Li Ions by Using Hydrogen Bonds for Highly Stable Lithium-Metal Anodes. <i>Angewandte Chemie</i> , 2021 , 133, 10966-10974	3.6	7
646	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
645	Sub-5 nm single crystalline organic p-n heterojunctions. <i>Nature Communications</i> , 2021 , 12, 2774	17.4	20
644	p-n heterojunctions composed of two-dimensional molecular crystals for high-performance ambipolar organic field-effect transistors. <i>APL Materials</i> , 2021 , 9, 051108	5.7	6
643	Bandgap Engineering of an Aryl-Fused Tetrathianaphthalene for Visible-Blind Organic Field-Effect Transistors. <i>Frontiers in Chemistry</i> , 2021 , 9, 698246	5	0
642	Organic Light-Emitting Transistors Entering a New Development Stage. <i>Advanced Materials</i> , 2021 , 33, e2007149	24	33
641	Recent Advances of Nanospheres Lithography in Organic Electronics. <i>Small</i> , 2021 , 17, e2100724	11	4
640	Prominent role of oxygen vacancy for superoxide radical and hydroxyl radical formation to promote electro-Fenton like reaction by W-doped CeO ₂ composites. <i>Applied Surface Science</i> , 2021 , 549, 149262	6.7	16

639	Tandem catalysis in electrochemical CO ₂ reduction reaction. <i>Nano Research</i> , 2021 , 14, 4471	10	26
638	Spin injection and transport in single-crystalline organic spin valves based on TIPS-pentacene. <i>Science China Materials</i> , 2021 , 64, 2795-2804	7.1	3
637	Molecular Weight Engineering in High-Performance Ambipolar Emissive Mesopolymers. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14902-14908	16.4	13
636	Well-balanced ambipolar diketopyrrolopyrrole-based copolymers for OFETs, inverters and frequency doublers. <i>Science China Chemistry</i> , 2021 , 64, 1410-1416	7.9	5
635	Isomeric Dibenzothiazethrenes for Air-Stable Organic Field-Effect Transistors. <i>Angewandte Chemie</i> , 2021 , 133, 16366-16372	3.6	0
634	Molecular Weight Engineering in High-Performance Ambipolar Emissive Mesopolymers. <i>Angewandte Chemie</i> , 2021 , 133, 15028-15034	3.6	2
633	Nanospheres Lithography: Recent Advances of Nanospheres Lithography in Organic Electronics (Small 28/2021). <i>Small</i> , 2021 , 17, 2170145	11	0
632	Successive Storage of Cations and Anions by Ligands of Pd-Conjugated Coordination Polymers Enabling Robust Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18769-18776	16.4	12
631	Spatially Selective Imaging of Mitochondrial MicroRNAs via Optically Programmable Strand Displacement Reactions. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17937-17941	16.4	14
630	Spatially Selective Imaging of Mitochondrial MicroRNAs via Optically Programmable Strand Displacement Reactions. <i>Angewandte Chemie</i> , 2021 , 133, 18081-18085	3.6	2
629	Facile Functionalization Strategy for Ultrasensitive Organic Protein Biochips in Multi-Biomarker Determination. <i>Analytical Chemistry</i> , 2021 , 93, 11305-11311	7.8	4
628	Molecular cocrystal odyssey to unconventional electronics and photonics. <i>Science Bulletin</i> , 2021 , 66, 512-520	15.2	9
627	Polymorph and anisotropic Raman spectroscopy of Phz-H ₂ ca cocrystals. <i>Science China Materials</i> , 2021 , 64, 169-178	7.1	3
626	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie</i> , 2021 , 133, 285-293	3.6	2
625	Cocrystallization Tailoring Multiple Radiative Decay Pathways for Amplified Spontaneous Emission. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 281-289	16.4	16
624	Unveiling the role of Fe ₃ O ₄ in polymer spin valve near Verwey transition. <i>Nano Research</i> , 2021 , 14, 304-310	11	4
623	Exciton Transport in Molecular Semiconductor Crystals for Spin-Optoelectronics Paradigm. <i>Chemistry - A European Journal</i> , 2021 , 27, 222-227	4.8	3
622	Recent Advances in Growth of Large-Sized 2D Single Crystals on Cu Substrates. <i>Advanced Materials</i> , 2021 , 33, e2003956	24	16

621	Short Alkyl Chain Engineering Modulation on Naphthalene Flanked Diketopyrrolopyrrole toward High-Performance Single Crystal Transistors and Organic Thin Film Displays. <i>Advanced Electronic Materials</i> , 2021 , 7, 2000804	6.4	11
620	Copper Tetracyanoquinodimethane: From Micro/Nanostructures to Applications. <i>Small</i> , 2021 , 17, e2004143	14.3	2
619	A FeNi ₅ P ₄ /FeNi ₂ P heterojunction electrocatalyst for highly efficient solar-to-hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 1221-1229	13	9
618	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
617	Research progress of rubrene as an excellent multifunctional organic semiconductor. <i>Frontiers of Physics</i> , 2021 , 16, 1	3.7	6
616	Eggshell-inspired membrane-shell strategy for simultaneously improving the sensitivity and detection range of strain sensors. <i>Science China Materials</i> , 2021 , 64, 717-726	7.1	5
615	Organic photoelectric materials for X-ray and gamma ray detection: mechanism, material preparation and application. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4709-4729	7.1	9
614	High-Quality Two-Dimensional Metal-Organic Framework Nanofilms for Nonvolatile Memristive Switching. <i>Small Structures</i> , 2021 , 2, 2000077	8.7	7
613	Long afterglow MOFs: a frontier study on synthesis and applications. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 6824-6849	7.8	5
612	Effectively modulating thermal activated charge transport in organic semiconductors by precise potential barrier engineering. <i>Nature Communications</i> , 2021 , 12, 21	17.4	18
611	Ultra-thin two-dimensional molecular crystals grown on a liquid surface for high-performance phototransistors. <i>Chemical Communications</i> , 2021 , 57, 2669-2672	5.8	8
610	One-Pot Confined Epitaxial Growth of 2D Heterostructure Arrays 2021 , 3, 217-223		4
609	Boronic ester Sierpiński triangle fractals: from precursor design to on-surface synthesis and self-assembling superstructures. <i>Chemical Communications</i> , 2021 , 57, 2065-2068	5.8	5
608	The external electric field effect on the charge transport performance of organic semiconductors: a theoretical investigation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 21044-21050	13	1
607	An intermolecular hydrogen bond plays a determining role in product selection of a surface confined Schiff-base reaction. <i>Chemical Communications</i> , 2021 , 57, 6495-6498	5.8	0
606	Stencil mask defined doctor blade printing of organic single crystal arrays for high-performance organic field-effect transistors. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 3236-3245	7.8	4
605	Small molecule-doped organic crystals towards long-persistent luminescence in water and air. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5093-5097	7.1	6
604	2D molecular crystal templated organic p-n heterojunctions for high-performance ambipolar organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 5758-5764	7.1	6

603	Engineering the Interfacial Materials of Organic Field-Effect Transistors for Efficient Charge Transport. <i>Accounts of Materials Research</i> , 2021 , 2, 159-169	7.5	2
602	Electrically Conductive Coordination Polymers for Electronic and Optoelectronic Device Applications. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 1612-1630	6.4	20
601	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
600	Cocrystal Engineering: Toward Solution-Processed Near-Infrared 2D Organic Cocrystals for Broadband Photodetection. <i>Angewandte Chemie</i> , 2021 , 133, 6414-6420	3.6	3
599	Vertical-organic-nanocrystal-arrays for crossbar memristors with tuning switching dynamics toward neuromorphic computing. <i>SmartMat</i> , 2021 , 2, 99-108	22.8	32
598	Electron configurations at 3d orbital of metal ion determining charge transition process in memory devices. <i>Science China Materials</i> , 2021 , 64, 1713-1722	7.1	1
597	Patterning organic semiconductor crystals for optoelectronics. <i>Applied Physics Letters</i> , 2021 , 119, 040501	3.4	2
596	High Mobility Organic Lasing Semiconductor with Crystallization-Enhanced Emission for Light-Emitting Transistors. <i>Angewandte Chemie</i> , 2021 , 133, 20436-20441	3.6	1
595	Ternary Conductance Switching Realized by a Pillar[5]arene-Functionalized Two-Dimensional Imine Polymer Film. <i>Chemistry - A European Journal</i> , 2021 , 27, 13605-13612	4.8	1
594	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
593	Study of the Redox Potentials of Benzoquinone and Its Derivatives by Combining Electrochemistry and Computational Chemistry. <i>Journal of Chemical Education</i> , 2021 , 98, 3019-3025	2.4	2
592	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	
591	Organic Semiconductor Crystal Engineering for High-Resolution Layer-Controlled 2D Crystal Arrays. <i>Advanced Materials</i> , 2021 , e2104166	24	4
590	Organic Semiconductor Single Crystals for X-ray Imaging. <i>Advanced Materials</i> , 2021 , 33, e2104749	24	14
589	A branched dihydrophenazine-based polymer as a cathode material to achieve dual-ion batteries with high energy and power density. <i>EScience</i> , 2021 ,		15
588	Photophysical tuning of small-molecule-doped organic crystals with long-persistent luminescence by variation of dopants. <i>Dyes and Pigments</i> , 2021 , 193, 109501	4.6	2
587	Application of Triplet-Triplet Annihilation Upconversion in Organic Optoelectronic Devices: Advances and Perspectives. <i>Advanced Materials</i> , 2021 , 33, e2100704	24	15
586	Preparation and assessment of reliable organic spin valves. <i>Organic Electronics</i> , 2021 , 99, 106311	3.5	2

585	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
584	The effect of electron-withdrawing substituents in asymmetric anthracene derivative semiconductors. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4217-4222	7.1	1
583	When graphene meets white graphene - recent advances in the construction of graphene and h-BN heterostructures. <i>Nanoscale</i> , 2021 , 13, 13174-13194	7.7	3
582	In situ observation of organic single micro-crystal fabrication by solvent vapor annealing. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 9124-9129	7.1	2
581	Low-fouling CNT-PEG-hydrogel coated quartz crystal microbalance sensor for saliva glucose detection.. <i>RSC Advances</i> , 2021 , 11, 22556-22564	3.7	1
580	Cornerstone of molecular spintronics: Strategies for reliable organic spin valves. <i>Nano Research</i> , 2021 , 14, 3653	10	4
579	Armadillo-inspired micro-foldable metal electrodes with a negligible resistance change under large stretchability. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 4046-4052	7.1	
578	Design of thermally activated delayed fluorescent emitters for organic solid-state microlasers. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 7400-7406	7.1	5
577	Growing two-dimensional single crystals of organic semiconductors on liquid surfaces. <i>Applied Physics Letters</i> , 2021 , 119, 210501	3.4	1
576	Organic Cocrystals: Recent Advances and Perspectives for Electronic and Magnetic Applications.. <i>Frontiers in Chemistry</i> , 2021 , 9, 764628	5	4
575	Highly efficient modulation of the electronic properties of organic semiconductors by surface doping with 2D molecular crystals. <i>Science China Chemistry</i> , 2020 , 63, 973-979	7.9	3
574	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
573	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
572	Continuous and highly ordered organic semiconductor thin films via dip-coating: the critical role of meniscus angle. <i>Science China Materials</i> , 2020 , 63, 1257-1264	7.1	5
571	One-Pot Domino Carbonylation Protocol for Aromatic Diimides toward n-Type Organic Semiconductors. <i>Angewandte Chemie</i> , 2020 , 132, 14128-14132	3.6	0
570	Molecular-scale integrated multi-functions for organic light-emitting transistors. <i>Nano Research</i> , 2020 , 13, 1976-1981	10	16
569	Stable Olympicyenyl Radicals and Their Dimers. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11022-11031	16.4	22
568	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

567	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
566	Facile and cost-effective liver cancer diagnosis by water-gated organic field-effect transistors. <i>Biosensors and Bioelectronics</i> , 2020 , 164, 112251	11.8	19
565	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
564	Organic-Inorganic Hybrid Nanomaterials for Electrocatalytic CO Reduction. <i>Small</i> , 2020 , 16, e2001847	11	41
563	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
562	A donor-acceptor type macrocycle: toward photolyzable self-assembly. <i>Chemical Communications</i> , 2020 , 56, 3939-3942	5.8	4
561	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
560	Solution-Processed Polymeric Thin Film as the Transparent Electrode for Flexible Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 15456-15463	9.5	9
559	Two-Dimensional Conjugated Polymer Synthesized by Interfacial Suzuki Reaction: Towards Electronic Device Applications. <i>Angewandte Chemie</i> , 2020 , 132, 9489-9493	3.6	4
558	Epitaxial Growth of Nanorod Meshes from Luminescent Organic Cocrystals via Crystal Transformation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7265-7269	16.4	19
557	Recent Advances in Atomic-Level Engineering of Nanostructured Catalysts for Electrochemical CO ₂ Reduction. <i>Advanced Functional Materials</i> , 2020 , 30, 1910534	15.6	55
556	Rational Control of Charge Transfer Excitons Toward High-Contrast Reversible Mechanoresponsive Luminescent Switching. <i>Angewandte Chemie</i> , 2020 , 132, 17733-17739	3.6	9
555	High-mobility organic single-crystalline transistors with anisotropic transport based on high symmetrical H-shaped heteroarene derivatives. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 11477-11484	7.1	3
554	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
553	Template-Assisted Electrochemical Deposition for Organic and Hybrid Nanowire Electronics. <i>Advanced Optical Materials</i> , 2020 , 8, 2000866	8.1	4
552	Synergistic Resistance Modulation toward Ultrahighly Sensitive Piezoresistive Pressure Sensors. <i>Advanced Materials Technologies</i> , 2020 , 5, 1901084	6.8	13
551	Synthesis of large-area ultrathin graphdiyne films at an air/water interface and their application in memristors. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1268-1273	7.8	12
550	Bulk Chiral Halide Perovskite Single Crystals for Active Circular Dichroism and Circularly Polarized Luminescence. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1689-1696	6.4	40

549	Toward Stable Lithium Plating/Stripping by Successive Desolvation and Exclusive Transport of Li Ions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10461-10470	9.5	27
548	Solution-Processed Centimeter-Scale Highly Aligned Organic Crystalline Arrays for High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2020 , 32, e1908388	24	62
547	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
546	Fine-Tuning Intrinsic Strain in Penta-Twinned Pt ₃ CoMn Nanoframes Boosts Oxygen Reduction Catalysis. <i>Advanced Functional Materials</i> , 2020 , 30, 1910107	15.6	52
545	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
544	Monolayer Two-dimensional Molecular Crystals for an Ultrasensitive OFET-based Chemical Sensor. <i>Angewandte Chemie</i> , 2020 , 132, 4410-4414	3.6	5
543	Stimuli-responsive behaviors of organic charge transfer cocrystals: recent advances and perspectives. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 715-728	7.8	46
542	Monolayer Two-dimensional Molecular Crystals for an Ultrasensitive OFET-based Chemical Sensor. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4380-4384	16.4	57
541	Organic Small Molecule Activates Transition Metal Foam for Efficient Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2020 , 32, e1906015	24	27
540	Aggregation-Dependent Photoreactive Hemicyanine Assembly as a Photobactericide. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22552-22559	9.5	4
539	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
538	Effect of functional groups on microporous polymer based resistance switching memory devices. <i>Chemical Communications</i> , 2020 , 56, 6356-6359	5.8	3
537	Atomically Thin Catalysts: Recent Advances in Atomic-Level Engineering of Nanostructured Catalysts for Electrochemical CO ₂ Reduction (Adv. Funct. Mater. 17/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070107	15.6	1
536	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
535	Control of molecular packing toward a lateral microresonator for microlaser array. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 8531-8537	7.1	3
534	Highly Efficient Charge Transport in a Quasi-Monolayer Semiconductor on Pure Polymer Dielectric. <i>Advanced Functional Materials</i> , 2020 , 30, 1907153	15.6	7
533	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. <i>Angewandte Chemie</i> , 2020 , 132, 1134-1139	3.6	25
532	2D Semiconducting Metal-Organic Framework Thin Films for Organic Spin Valves. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1118-1123	16.4	90

531	Surface-grafting polymers: from chemistry to organic electronics. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 692-714	7.8	42
530	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
529	DFT Mechanistic Account for the Site Selectivity of Electron-Rich C(sp)-H Bond in the Manganese-Catalyzed Aminations. <i>Organic Letters</i> , 2020 , 22, 453-457	6.2	15
528	Organic photodiodes and phototransistors toward infrared detection: materials, devices, and applications. <i>Chemical Society Reviews</i> , 2020 , 49, 653-670	58.5	113
527	Controllable Synthesis of Hollow Multishell Structured Co ₃ O ₄ with Improved Rate Performance and Cyclic Stability for Supercapacitors. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 68-73	2.2	39
526	Ultrathin Pd-based nanosheets: syntheses, properties and applications. <i>Nanoscale</i> , 2020 , 12, 4219-4237	7.7	28
525	Application of organic-graphene hybrids in high performance photodetectors. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 354-368	7.8	9
524	Relieving the Photosensitivity of Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2020 , 32, e1906122	7.4	34
523	High-mobility thienothiophene integrating strong emission and high photoresponsivity for multifunctional optoelectronic applications. <i>Organic Electronics</i> , 2020 , 87, 105941	3.5	4
522	High-resolution organic field-effect transistors manufactured by electrohydrodynamic inkjet printing of doped electrodes. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 15219-15223	7.1	9
521	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
520	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
519	Polymer mask-weakening grain-boundary effect: towards high-performance organic thin-film transistors with mobility closing to 20 cm ² V ⁻¹ s ⁻¹ . <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2990-2994	7.8	4
518	Layered Perovskite (CH ₃ NH ₃)Pb(SCN)I Single Crystals: Phase Transition and Moisture Stability. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 37713-37721	9.5	11
517	High-performance amorphous organic semiconductor-based vertical field-effect transistors and light-emitting transistors. <i>Nanoscale</i> , 2020 , 12, 18371-18378	7.7	14
516	Highly adhesive, washable and stretchable on-skin electrodes based on polydopamine and silk fibroin for ambulatory electrocardiography sensing. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 12257-12264	7.1	10
515	Model Study on the Ideal Current-Voltage Characteristics and Rectification Performance of a Molecular Rectifier under Single-Level-Based Tunneling and Hopping Transport. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 24408-24419	3.8	1
514	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

513	A Low-Temperature Solution-Process High-k Dielectric for High-Performance Flexible Organic Field-Effect Transistors. <i>Frontiers in Materials</i> , 2020 , 7,	4	5
512	Molecular doped organic semiconductor crystals for optoelectronic device applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14996-15008	7.1	11
511	The effect of thickness on the optoelectronic properties of organic field-effect transistors: towards molecular crystals at monolayer limit. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 13154-13168	7.1	18
510	Das Aufkommen der organischen Einkristallelektronik. <i>Angewandte Chemie</i> , 2020 , 132, 1424-1445	3.6	10
509	The Emergence of Organic Single-Crystal Electronics. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 1408-1428	16.4	98
508	The analysis of charge transport mechanism in molecular junctions based on current-voltage characteristics. <i>Chemical Physics</i> , 2020 , 528, 110514	2.3	6
507	Recent Progress in Organic Phototransistors: Semiconductor Materials, Device Structures and Optoelectronic Applications. <i>ChemPhotoChem</i> , 2020 , 4, 9-38	3.3	25
506	Two-dimensional organic single-crystalline p-n junctions for ambipolar field transistors. <i>Science China Materials</i> , 2020 , 63, 122-127	7.1	10
505	Two-dimensional conjugated polymers synthesized via on-surface chemistry. <i>Science China Materials</i> , 2020 , 63, 172-176	7.1	5
504	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
503	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
502	Organic Single Crystals: A Phase Separation-Molecular Design Strategy Towards Large-Area 2D Molecular Crystals (Adv. Mater. 35/2019). <i>Advanced Materials</i> , 2019 , 31, 1970251	24	1
501	Enhanced optomechanical properties of mechanochemiluminescent poly(methyl acrylate) composites with granulated fluorescent conjugated microporous polymer fillers. <i>Chemical Science</i> , 2019 , 10, 2206-2211	9.4	28
500	Room-temperature-processed fullerene single-crystalline nanoparticles for high-performance flexible perovskite photovoltaics. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1509-1518	13	19
499	Cyclohexyl-Substituted Anthracene Derivatives for High Thermal Stability Organic Semiconductors. <i>Frontiers in Chemistry</i> , 2019 , 7, 11	5	11
498	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
497	Monolayer organic field-effect transistors. <i>Science China Chemistry</i> , 2019 , 62, 313-330	7.9	42
496	Organic crystalline materials in flexible electronics. <i>Chemical Society Reviews</i> , 2019 , 48, 1492-1530	58.5	202

495	Evaluation of ciprofloxacin destruction between ordered mesoporous and bulk NiMn ₂ O ₄ /CF cathode: efficient mineralization in a heterogeneous electro-Fenton-like process. <i>Environmental Science: Nano</i> , 2019 , 6, 661-671	7.1	20
494	Small-Molecule-Doped Organic Crystals with Long-Persistent Luminescence. <i>Advanced Functional Materials</i> , 2019 , 29, 1902503	15.6	50
493	Airflow Sensors: Extremely Sensitive, Allochroic Airflow Sensors by Synergistic Effect of Reversible Water Molecules Adsorption and Tunable Interlayer Distance in Graphene Oxide Film (Adv. Mater. Interfaces 9/2019). <i>Advanced Materials Interfaces</i> , 2019 , 6, 1970059	4.6	
492	Solar Thermal Storage and Room-Temperature Fast Release Using a Uniform Flexible Azobenzene-Grafted Polynorborene Film Enhanced by Stretching. <i>Macromolecules</i> , 2019 , 52, 4222-4231	5.5	20
491	Conjugated polymer crystals via topochemical polymerization. <i>Science China Chemistry</i> , 2019 , 62, 1271-1274	7.4	11
490	Thermal-assisted self-assembly: a self-adaptive strategy towards large-area uniaxial organic single-crystalline microribbon arrays. <i>Nanoscale</i> , 2019 , 11, 12781-12787	7.7	10
489	Carbogenic Nanozyme with Ultrahigh Reactive Nitrogen Species Selectivity for Traumatic Brain Injury. <i>Nano Letters</i> , 2019 , 19, 4527-4534	11.5	71
488	Diphenylene-Tetracyanoquinodimethane Cocrystals as Stable Organic Rectifiers. <i>ChemPlusChem</i> , 2019 , 84, 1245-1248	2.8	3
487	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
486	A Robust Nonvolatile Resistive Memory Device Based on a Freestanding Ultrathin 2D Imine Polymer Film. <i>Advanced Materials</i> , 2019 , 31, e1902264	24	72
485	Thermally Activated Delayed Fluorescence in an Organic Cocrystal: Narrowing the Singlet-Triplet Energy Gap via Charge Transfer. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11311-11316	16.4	40
484	Thermally Activated Delayed Fluorescence in an Organic Cocrystal: Narrowing the Singlet-Triplet Energy Gap via Charge Transfer. <i>Angewandte Chemie</i> , 2019 , 131, 11433	3.6	
483	Phenanthrene derivatives combined charge transport properties and strong solid-state emission. <i>Science China Chemistry</i> , 2019 , 62, 916-920	7.9	2
482	Efficient perovskite solar cells by hybrid perovskites incorporated with heterovalent neodymium cations. <i>Nano Energy</i> , 2019 , 61, 352-360	17.1	53
481	Scalable Fabrication of Highly Crystalline Organic Semiconductor Thin Film by Channel-Restricted Screen Printing toward the Low-Cost Fabrication of High-Performance Transistor Arrays. <i>Advanced Materials</i> , 2019 , 31, e1807975	24	59
480	High-performance optical memory transistors based on a novel organic semiconductor with nanosprouts. <i>Nanoscale</i> , 2019 , 11, 7117-7122	7.7	14
479	Extremely Sensitive, Allochroic Airflow Sensors by Synergistic Effect of Reversible Water Molecules Adsorption and Tunable Interlayer Distance in Graphene Oxide Film. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900365	4.6	3
478	The odd-even effect of alkyl chain in organic room temperature phosphorescence luminogens and the corresponding in vivo imaging. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1391-1397	7.8	50

477	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
476	Recent Progress in Aromatic Polyimide Dielectrics for Organic Electronic Devices and Circuits. <i>Advanced Materials</i> , 2019 , 31, e1806070	24	85
475	Construction of Large-Area Ultrathin Conductive Metal-Organic Framework Films through Vapor-Induced Conversion. <i>Small</i> , 2019 , 15, e1804845	11	20
474	Heterogeneous electrocatalytic degradation of ciprofloxacin by ternary Ce ₃ ZrFe ₄ O _{14-x} /CF composite cathode. <i>Catalysis Today</i> , 2019 , 327, 116-125	5.3	12
473	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
472	Layer-Defining Strategy to Grow Two-Dimensional Molecular Crystals on a Liquid Surface down to the Monolayer Limit. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16082-16086	16.4	31
471	Capacitive conjugated ladder polymers for fast-charge and -discharge sodium-ion batteries and hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20891-20898	13	33
470	A novel Fe-free photo-electro-Fenton-like system for enhanced ciprofloxacin degradation: bifunctional Z-scheme WO ₃ /g-C ₃ N ₄ . <i>Environmental Science: Nano</i> , 2019 , 6, 2850-2862	7.1	20
469	High-Efficiency Single-Component Organic Light-Emitting Transistors. <i>Advanced Materials</i> , 2019 , 31, e1902175	21.75	72
468	A One-Dimensional Pd Conjugated Coordination Polymer for Sodium Storage with Catalytic Activity in Negishi Coupling. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14731-14739	16.4	81
467	Trisulfide-Bond Acenes for Organic Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 13647-13655	3.6	6
466	Trisulfide-Bond Acenes for Organic Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13513-13521	6.35	19
465	Cocrystal Engineering: A Collaborative Strategy toward Functional Materials. <i>Advanced Materials</i> , 2019 , 31, e1902328	24	133
464	Organic Single-Crystal Spintronics: Magnetoresistance Devices with High Magnetic-Field Sensitivity. <i>ACS Nano</i> , 2019 , 13, 9491-9497	16.7	10
463	A new type of solid-state luminescent 2-phenylbenzo[g]furo[2,3-b]quinoxaline derivative: synthesis, photophysical characterization and transporting properties. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9690-9697	7.1	10
462	Highly Efficient Degradation of Polyacrylamide by an Fe-Doped CeZrO Solid Solution/CF Composite Cathode in a Heterogeneous Electro-Fenton Process. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 30703-30712	9.5	12
461	2D Molecular Crystal Bilayer p-n Junctions: A General Route toward High-Performance and Well-Balanced Ambipolar Organic Field-Effect Transistors. <i>Small</i> , 2019 , 15, e1902187	11	21
460	A "Phase Separation" Molecular Design Strategy Towards Large-Area 2D Molecular Crystals. <i>Advanced Materials</i> , 2019 , 31, e1901437	24	26

459	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
458	Crystal Engineering of Organic Optoelectronic Materials. <i>CheM</i> , 2019 , 5, 2814-2853	16.2	71
457	Efficient Perovskite Solar Cells through Suppressed Nonradiative Charge Carrier Recombination by a Processing Additive. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40163-40171	9.5	9
456	Organic Light-Emitting Transistors: High-Efficiency Single-Component Organic Light-Emitting Transistors (Adv. Mater. 37/2019). <i>Advanced Materials</i> , 2019 , 31, 1970266	24	
455	Layer-Defining Strategy to Grow Two-Dimensional Molecular Crystals on a Liquid Surface down to the Monolayer Limit. <i>Angewandte Chemie</i> , 2019 , 131, 16228-16232	3.6	2
454	Innenrücktitelbild: Layer-Defining Strategy to Grow Two-Dimensional Molecular Crystals on a Liquid Surface down to the Monolayer Limit (Angew. Chem. 45/2019). <i>Angewandte Chemie</i> , 2019 , 131, 16479-16479	3.6	
453	Tuning Rectification Properties of Molecular Electronic Devices by Mixed Monolayer. <i>Acta Chimica Sinica</i> , 2019 , 77, 1031	3.3	4
452	Persistent organic room temperature phosphorescence: what is the role of molecular dimers?. <i>Chemical Science</i> , 2019 , 11, 833-838	9.4	67
451	Vertical Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2019 , 29, 1808453	15.6	38
450	Realizing low-voltage operating crystalline monolayer organic field-effect transistors with a low contact resistance. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3436-3442	7.1	21
449	Eu-based coordination polymer microrods for low-loss optical waveguiding application. <i>Nanoscale</i> , 2019 , 11, 21061-21067	7.7	1
448	Tunable oligo-histidine self-assembled monolayer junction and charge transport by a pH modulated assembly. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 26058-26065	3.6	3
447	Enhanced catalytic degradation by using RGO-Ce/WO nanosheets modified CF as electro-Fenton cathode: Influence factors, reaction mechanism and pathways. <i>Journal of Hazardous Materials</i> , 2019 , 367, 365-374	12.8	46
446	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
445	Negative transconductance in multi-layer organic thin-film transistors. <i>Nanotechnology</i> , 2019 , 30, 02LT01	3.4	5
444	Fast Deposition of Aligning Edge-On Polymers for High-Mobility Ambipolar Transistors. <i>Advanced Materials</i> , 2019 , 31, e1805761	24	48
443	Organic single-crystal phototransistor with unique wavelength-detection characteristics. <i>Science China Materials</i> , 2019 , 62, 729-735	7.1	15
442	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

441	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
440	A new asymmetric anthracene derivative with high mobility. <i>Science China Chemistry</i> , 2019 , 62, 251-255	7.9	8
439	Anisotropic Magnetoresistance in NiFe-Based Polymer Spin Valves. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 11654-11659	9.5	8
438	Tuning photophysical properties via alkoxy groups in charge-separated triphenylamine sensitizers for dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 368, 233-241	7	7
437	The Semiconductor/Conductor Interface Piezoresistive Effect in an Organic Transistor for Highly Sensitive Pressure Sensors. <i>Advanced Materials</i> , 2019 , 31, e1805630	24	63
436	Amplified Spontaneous Emission Based on 2D Ruddlesden-Popper Perovskites. <i>Advanced Functional Materials</i> , 2018 , 28, 1707006	15.6	88
435	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
434	Low-Voltage Organic Single-Crystal Field-Effect Transistor with Steep Subthreshold Slope. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25871-25877	9.5	31
433	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
432	Space-Confined Strategy toward Large-Area Two-Dimensional Single Crystals of Molecular Materials. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5339-5342	16.4	101
431	Structure engineering: extending the length of azaacene derivatives through quinone bridges. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3628-3633	7.1	9
430	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
429	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
428	Cocrystals Strategy towards Materials for Near-Infrared Photothermal Conversion and Imaging. <i>Angewandte Chemie</i> , 2018 , 130, 4027-4031	3.6	32
427	From Linear to Angular Isomers: Achieving Tunable Charge Transport in Single-Crystal Indolocarbazoles Through Delicate Synergetic CH/NH... Interactions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8875-8880	16.4	31
426	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
425	Efficient Perovskite Solar Cells Fabricated by Co Partially Substituted Hybrid Perovskite. <i>Advanced Energy Materials</i> , 2018 , 8, 1703178	21.8	88
424	Solution-Processable Balanced Ambipolar Field-Effect Transistors Based on Carbonyl-Regulated Copolymers. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 846-852	4.5	2

423	Quinoline-Flanked Diketopyrrolopyrrole Copolymers Breaking through Electron Mobility over 6 cm ² V s in Flexible Thin Film Devices. <i>Advanced Materials</i> , 2018 , 30, 1704843	24	73
422	Cocrystals Strategy towards Materials for Near-Infrared Photothermal Conversion and Imaging. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3963-3967	16.4	143
421	Microwave-Assisted Regeneration of Single-Walled Carbon Nanotubes from Carbon Fragments. <i>Small</i> , 2018 , 14, e1800033	11	18
420	Surface-Confined Dynamic Covalent System Driven by Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1869-1873	16.4	19
419	Organic Optoelectronics: 2D Organic Materials for Optoelectronic Applications (Adv. Mater. 2/2018). <i>Advanced Materials</i> , 2018 , 30, 1870012	24	8
418	Hollow Spherical Nanoshell Arrays of 2D Layered Semiconductor for High-Performance Photodetector Device. <i>Advanced Functional Materials</i> , 2018 , 28, 1705153	15.6	39
417	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
416	From Linear to Angular Isomers: Achieving Tunable Charge Transport in Single-Crystal Indolocarbazoles Through Delicate Synergetic CH/NH···π Interactions. <i>Angewandte Chemie</i> , 2018 , 130, 9013-9018	3.6	11
415	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
414	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
413	Solvatomechanical Bending of Organic Charge Transfer Cocrystal. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6186-6189	16.4	63
412	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
411	2D Organic Materials for Optoelectronic Applications. <i>Advanced Materials</i> , 2018 , 30, 1702415	24	201
410	Organic Semiconductor Single Crystals for Electronics and Photonics. <i>Advanced Materials</i> , 2018 , 30, e1801048	24	211
409	Integrating Efficient Optical Gain in High-Mobility Organic Semiconductors for Multifunctional Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2018 , 28, 1802454	15.6	29
408	Bottom-up growth of n-type monolayer molecular crystals on polymeric substrate for optoelectronic device applications. <i>Nature Communications</i> , 2018 , 9, 2933	17.4	88
407	Charge-separated sensitizers with enhanced intramolecular charge transfer for dye-sensitized solar cells: Insight from structure-performance relationship. <i>Organic Electronics</i> , 2018 , 61, 35-45	3.5	12
406	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

405	Enhanced Visible-Light-Driven Hydrogen Production of Carbon Nitride by Band Structure Tuning. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 17261-17267	3.8	20
404	How Does Palladium-Amino Acid Cooperative Catalysis Enable Regio- and Stereoselective C(sp ³)H Functionalization in Aldehydes and Ketones? A DFT Mechanistic Study. <i>ACS Catalysis</i> , 2018 , 8, 7698-7709 ^{13.1}		33
403	Cyclodextrin functionalized reduced graphene oxide for electrochemical chiral differentiation of tartaric acid. <i>Analytical Methods</i> , 2018 , 10, 3660-3665	3.2	8
402	Layered hybrid perovskite solar cells based on single-crystalline precursor solutions with superior reproducibility. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2237-2243	5.8	15
401	Click Access to a Cyclodextrin-Based Spatially Confined AIE Material for Hydrogenase Recognition. <i>Sensors</i> , 2018 , 18,	3.8	2
400	Innenrücktitelbild: From Linear to Angular Isomers: Achieving Tunable Charge Transport in Single-Crystal Indolocarbazoles Through Delicate Synergetic CH/NH·····Interactions (Angew. Chem. 29/2018). <i>Angewandte Chemie</i> , 2018 , 130, 9327-9327	3.6	
399	Hole Mobility Modulation in Single-Crystal Metal Phthalocyanines by Changing the Metal-π Interactions. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10112-10117	16.4	30
398	Molecular cocrystals: design, charge-transfer and optoelectronic functionality. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 6009-6023	3.6	109
397	Organic Field-Effect Transistors: Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and High-Gain Inverters (Adv. Mater. 32/2018). <i>Advanced Materials</i> , 2018 , 30, 1870241		24
396	Fluorescence of Nonaromatic Organic Systems and Room Temperature Phosphorescence of Organic Luminogens: The Intrinsic Principle and Recent Progress. <i>Small</i> , 2018 , 14, e1801560	11	172
395	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
394	Two-Dimensional High-Quality Monolayered Triangular WS ₂ Flakes for Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22435-22444	9.5	46
393	Organic semiconductor crystals. <i>Chemical Society Reviews</i> , 2018 , 47, 422-500	58.5	429
392	Room-Temperature-Operated Ultrasensitive Broadband Photodetectors by Perovskite Incorporated with Conjugated Polymer and Single-Wall Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2018 , 28, 1705541	15.6	51
391	Tuning of the degree of charge transfer and the electronic properties in organic binary compounds by crystal engineering: a perspective. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1884-1902	7.1	110
390	Acid-Responsive Conductive Nanofiber of Tetrabenzoporphyrin Made by Solution Processing. <i>Journal of the American Chemical Society</i> , 2018 , 140, 62-65	16.4	21
389	Organic single-crystalline transistors based on Benzo[b]thiophen-Benzo[b]furan analogues with contorted configuration. <i>Organic Electronics</i> , 2018 , 53, 57-65	3.5	7
388	Selective sorting of metallic/semiconducting single-walled carbon nanotube arrays by igniter-assisted gas-phase etching. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 157-162	7.8	4

387	n-Type conjugated polymers based on 3,3'-dicyano-2,2'-bithiophene: synthesis and semiconducting properties. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12896-12903	7.1	15
386	Unidirectional and crystalline organic semiconductor microwire arrays by solvent vapor annealing with PMMA as the assisting layer. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12479-12483	7.1	10
385	Smartly designed AIE triazoliums as unique targeting fluorescence tags for sulfonic biomacromolecule recognition via electrostatic locking \square <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12529-12536 ⁸	7.1	8
384	Deposition rate related DPA OFET threshold voltage shift and hysteresis variation. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 12498-12502	7.1	3
383	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. <i>ACS Nano</i> , 2018 , 12, 12657-12664	16.7	23
382	Organic field-effect optical waveguides. <i>Nature Communications</i> , 2018 , 9, 4790	17.4	54
381	Neuromorphic Devices: A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual-Perception System (Adv. Mater. 46/2018). <i>Advanced Materials</i> , 2018 , 30, 1870349	24	5
380	New anthracene derivatives integrating high mobility and strong emission. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 13257-13260	7.1	6
379	Constructing Universal Ionic Sieves via Alignment of Two-Dimensional Covalent Organic Frameworks (COFs). <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16072-16076	16.4	81
378	A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual-Perception System. <i>Advanced Materials</i> , 2018 , 30, e1803961	24	191
377	Electrochemical polymerization for two-dimensional conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10672-10686	7.1	29
376	Donor-Acceptor Conjugated Polymers Based on Bisisoindigo: Energy Level Modulation toward Unipolar n-Type Semiconductors. <i>Macromolecules</i> , 2018 , 51, 8652-8661	5.5	27
375	Organic-Single-Crystal Vertical Field-Effect Transistors and Phototransistors. <i>Advanced Materials</i> , 2018 , 30, e1803655	24	34
374	2,7-Dioctylbenzofuro[3,2-b]benzofuran: An Organic Semiconductor with Two-dimensional Transport Channels. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 2228-2232	3	12
373	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
372	Hole Mobility Modulation in Single-Crystal Metal Phthalocyanines by Changing the Metal \square Interactions. <i>Angewandte Chemie</i> , 2018 , 130, 10269-10274	3.6	7
371	Substrate Effects in the Supramolecular Self-Assembly of 2,4,6-Tris(4-bromophenyl)-1,3,5-triazine on Graphite and Graphene. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12307-12314	3.8	9
370	Presence of Short Intermolecular Contacts Screens for Kinetic Stability in Packing Polymorphs. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7519-7525	16.4	21

369	Separation of Arylenevinylene Macrocycles with a Surface-Confined Two-Dimensional Covalent Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8984-8988	16.4	34
368	Separation of Arylenevinylene Macrocycles with a Surface-Confined Two-Dimensional Covalent Organic Framework. <i>Angewandte Chemie</i> , 2018 , 130, 9122-9126	3.6	1
367	Free-Standing 2D Hexagonal Aluminum Nitride Dielectric Crystals for High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2018 , 30, e1801891	24	20
366	Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and High-Gain Inverters. <i>Advanced Materials</i> , 2018 , 30, e1801951	24	22
365	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
364	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
363	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
362	Controlled formation of large-area single-crystalline TIPS-pentacene arrays through superhydrophobic micropillar flow-coating. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2702-2707	7.1	20
361	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
360	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
359	Few-Layer Graphdiyne Nanosheets Applied for Multiplexed Real-Time DNA Detection. <i>Advanced Materials</i> , 2017 , 29, 1606755	24	153
358	Electrocatalysts: Ternary NiCo ₂ Px Nanowires as pH-Universal Electrocatalysts for Highly Efficient Hydrogen Evolution Reaction (Adv. Mater. 9/2017). <i>Advanced Materials</i> , 2017 , 29,	24	4
357	Enhanced Internal Quantum Efficiency in Dye-Sensitized Solar Cells: Effect of Long-Lived Charge-Separated State of Sensitizers. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9880-9891	9.5	19
356	Shape-Controlled Metal-Free Catalysts: Facet-Sensitive Catalytic Activity Induced by the Arrangement Pattern of Noncovalent Supramolecular Chains. <i>ACS Nano</i> , 2017 , 11, 4866-4876	16.7	26
355	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
354	Inverse Magnetoresistance in Polymer Spin Valves. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15644-15651	9.5	27
353	The Origins of the Differences between Alkyne Hydroalkoxylations Catalyzed by 8-Quinolinolato- and Dipyrinato-Ligated RhI Complexes: A DFT Mechanistic Study. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2713-2722	2.3	6
352	Competitive Coordination Strategy to Finely Tune Pore Environment of Zirconium-Based Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22732-22738	9.5	33

351	Competition between Arene-Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems. <i>Angewandte Chemie</i> , 2017 , 129, 10488-10492	3.6	31
350	Competition between Arene-Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10352-10356	16.4	105
349	Intermolecular Charge-Transfer Interactions Facilitate Two-Photon Absorption in Styrylpyridine-Tetracyanobenzene Cocrystals. <i>Angewandte Chemie</i> , 2017 , 129, 7939-7943	3.6	27
348	A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared-to-Memory Operations. <i>Advanced Materials</i> , 2017 , 29, 1701772	24	73
347	Growth and carrier-transport performance of a poly(3-hexylthiophene)/1,2,3,4-bis(p-methylbenzylidene) sorbitol hybrid shish-kebab nanostructure. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3983-3992	7.1	7
346	Comparable charge transport property based on S π S interactions with that of π -stacking in a bis-fused tetrathiafulvalene compound. <i>Science China Chemistry</i> , 2017 , 60, 510-515	7.9	6
345	Ligand effects on electronic and optoelectronic properties of two-dimensional PbS necking percolative superlattices. <i>Nano Research</i> , 2017 , 10, 1249-1257	10	14
344	Ternary NiCo P Nanowires as pH-Universal Electrocatalysts for Highly Efficient Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2017 , 29, 1605502	24	419
343	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
342	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
341	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
340	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
339	Photolysis of polymeric self-assembly controlled by donor-acceptor interaction. <i>Chemical Communications</i> , 2017 , 53, 11822-11825	5.8	15
338	A bowl-shaped sumanene derivative with dense convex-concave columnar packing for high-performance organic field-effect transistors. <i>Chemical Communications</i> , 2017 , 53, 11407-11409	5.8	21
337	Photosensors: A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared-to-Memory Operations (Adv. Mater. 32/2017). <i>Advanced Materials</i> , 2017 , 29,	24	6
336	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
335	Assembly of π -Conjugated Nanosystems for Electronic Sensing Devices. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700209	6.4	8
334	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

333	Rechargeable Batteries: Formation of Septuple-Shelled (Co ₂ /3Mn ₁ /3)(Co ₅ /6Mn ₁ /6)2O ₄ Hollow Spheres as Electrode Material for Alkaline Rechargeable Battery (Adv. Mater. 34/2017). <i>Advanced Materials</i> , 2017 , 29,	24	10
332	Titelbild: Competition between Arene-Perfluoroarene and Charge-Transfer Interactions in Organic Light-Harvesting Systems (Angew. Chem. 35/2017). <i>Angewandte Chemie</i> , 2017 , 129, 10383-10383	3.6	
331	Formation of Septuple-Shelled (Co Mn)(Co Mn) O Hollow Spheres as Electrode Material for Alkaline Rechargeable Battery. <i>Advanced Materials</i> , 2017 , 29, 1700550	24	108
330	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
329	Capillary-Bridge Mediated Assembly of Conjugated Polymer Arrays toward Organic Photodetectors. <i>Advanced Functional Materials</i> , 2017 , 27, 1701347	15.6	43
328	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
327	Approaching Intra- and Interchain Charge Transport of Conjugated Polymers Facilely by Topochemical Polymerized Single Crystals. <i>Advanced Materials</i> , 2017 , 29, 1701251	24	84
326	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
325	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
324	Design and effective synthesis methods for high-performance polymer semiconductors in organic field-effect transistors. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 2423-2456	7.8	80
323	Halogen bonded cocrystal polymorphs of 1,4-di(4?-pyridyl)-1,3-diacetylene. <i>CrystEngComm</i> , 2017 , 19, 4505-4509	3.3	13
322	Tuning the donors to control the lifetimes of charge-separated states in triazine-based donor-acceptor systems. <i>Dyes and Pigments</i> , 2017 , 136, 404-415	4.6	16
321	Dually Ordered Porous TiO ₂ -rGO Composites with Controllable Light Absorption Properties for Efficient Solar Energy Conversion. <i>Advanced Materials</i> , 2017 , 29, 1604795	24	59
320	Solution-Processed Flexible Organic Ferroelectric Phototransistor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43880-43885	9.5	19
319	Organic cocrystals: the development of ferroelectric properties. <i>Science China Materials</i> , 2016 , 59, 523-530	5.0	25
318	Effect of Alkyl Side Chains of Conjugated Polymer Donors on the Device Performance of Non-Fullerene Solar Cells. <i>Macromolecules</i> , 2016 , 49, 6445-6454	5.5	70
317	β-Cyclodextrin modified graphitic carbon nitride for the removal of pollutants from aqueous solution: experimental and theoretical calculation study. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14170-14179	13.1	165
316	Kilohertz organic complementary inverters driven by surface-grafting conducting polypyrrole electrodes. <i>Solid-State Electronics</i> , 2016 , 123, 51-57	1.7	5

315	Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. <i>Topics in Current Chemistry</i> , 2016 , 374, 83	7.2	37
314	Mass Production of Nanogap Electrodes toward Robust Resistive Random Access Memory. <i>Advanced Materials</i> , 2016 , 28, 8227-8233	24	18
313	Vertical Single-Crystalline Organic Nanowires on Graphene: Solution-Phase Epitaxy and Optical Microcavities. <i>Nano Letters</i> , 2016 , 16, 4754-62	11.5	20
312	Large-Size 2D ECuS 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
311	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
310	Construction of Ag/AgCl nanostructures from Ag nanoparticles as high-performance visible-light photocatalysts. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	2
309	Multilevel Investigation of Charge Transport in Conjugated Polymers. <i>Accounts of Chemical Research</i> , 2016 , 49, 2435-2443	24.3	56
308	Enhancing Photoinduced Charge Separation through Donor Moiety in Donor-Acceptor Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 25263-25275	3.8	19
307	Spiro-OMeTAD single crystals: Remarkably enhanced charge-carrier transport via mesoscale ordering. <i>Science Advances</i> , 2016 , 2, e1501491	14.3	96
306	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
305	High Hole Mobility in Long-Range Ordered 2D Lead Sulfide Nanocrystal Monolayer Films. <i>Advanced Functional Materials</i> , 2016 , 26, 5182-5188	15.6	20
304	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
303	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
302	Controlled Growth of Ultrathin Film of Organic Semiconductors by Balancing the Competitive Processes in Dip-Coating for Organic Transistors. <i>Langmuir</i> , 2016 , 32, 6246-54	4	39
301	Tuning charge transport from unipolar (n-type) to ambipolar in bis(naphthalene diimide) derivatives by introducing π -conjugated heterocyclic bridging moieties. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7230-7240	7.1	20
300	Plasmonic materials for flexible near-infrared photovoltaic devices. <i>Science China Materials</i> , 2016 , 59, 410-411	7.1	2
299	2D Mica Crystal as Electret in Organic Field-Effect Transistors for Multistate Memory. <i>Advanced Materials</i> , 2016 , 28, 3755-60	24	52
298	Organic Cocrystal Photovoltaic Behavior: A Model System to Study Charge Recombination of C60 and C70 at the Molecular Level. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500423	6.4	34

297	High-Mobility N-Type Organic Field-Effect Transistors of Rylene Compounds Fabricated by a Trace-Spin-Coating Technique. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500430	6.4	11
296	3D Self-Supporting Porous Magnetic Assemblies for Water Remediation and Beyond. <i>Advanced Energy Materials</i> , 2016 , 6, 1600473	21.8	31
295	Experimental and theoretical studies on competitive adsorption of aromatic compounds on reduced graphene oxides. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5654-5662	13	162
294	Soft-Etching Copper and Silver Electrodes for Significant Device Performance Improvement toward Facile, Cost-Effective, Bottom-Contacted, Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7919-27	9.5	8
293	Pyridyl-substituted anthracene derivatives with solid-state emission and charge transport properties. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3621-3627	7.1	22
292	Conjugated polymer with ternary electron-deficient units for ambipolar nanowire field-effect transistors. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 34-38	2.5	18
291	Side-chain engineering of green color electrochromic polymer materials: toward adaptive camouflage application. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 2269-2273	7.1	114
290	Unveiling Secrets of Overcoming the "Heteroatom Problem" in Palladium-Catalyzed Aerobic C-H Functionalization of Heterocycles: A DFT Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2712-23	16.4	62
289	Epitaxially-crystallized oriented naphthalene bis(dicarboximide) morphology for significant performance improvement of electron-transporting thin-film transistors. <i>Chemical Communications</i> , 2016 , 52, 4902-5	5.8	21
288	Multi-walled carbon nanotubes covalently functionalized by axially coordinated metal-porphyrins: Facile syntheses and temporally dependent optical performance. <i>Nano Research</i> , 2016 , 9, 458-472	10	22
287	Poly(pentacyclic lactam-alt-diketopyrrolopyrrole) for field-effect transistors and polymer solar cells processed from non-chlorinated solvents. <i>Polymer Chemistry</i> , 2016 , 7, 164-170	4.9	10
286	Topochemical polymerization of diacetylenes. <i>Chinese Science Bulletin</i> , 2016 , 61, 2688-2706	2.9	5
285	Novel Air Stable Organic Radical Semiconductor of Dimers of Dithienothiophene, Single Crystals, and Field-Effect Transistors. <i>Advanced Materials</i> , 2016 , 28, 7466-71	24	33
284	A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by Solution Epitaxy. <i>Angewandte Chemie</i> , 2016 , 128, 9671-9675	3.6	22
283	Three-Component Integrated Ultrathin Organic Photosensors for Plastic Optoelectronics. <i>Advanced Materials</i> , 2016 , 28, 624-30	24	43
282	Deepening Insights of Charge Transfer and Photophysics in a Novel Donor-Acceptor Cocrystal for Waveguide Couplers and Photonic Logic Computation. <i>Advanced Materials</i> , 2016 , 28, 5954-62	24	86
281	Organic Memory Devices: 2D Mica Crystal as Electret in Organic Field-Effect Transistors for Multistate Memory (Adv. Mater. 19/2016). <i>Advanced Materials</i> , 2016 , 28, 3792	24	2
280	Asymmetric Diketopyrrolopyrrole Conjugated Polymers for Field-Effect Transistors and Polymer Solar Cells Processed from a Nonchlorinated Solvent. <i>Advanced Materials</i> , 2016 , 28, 943-50	24	128

279	Perovskite Photodetectors based on CH ₃ NH ₃ PbI ₃ Single Crystals. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2675-2679	4.5	25
278	Unveiling the Switching Riddle of Silver Tetracyanoquinodimethane Towards Novel Planar Single-Crystalline Electrochemical Metallization Memories. <i>Advanced Materials</i> , 2016 , 28, 7094-100	24	12
277	A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by "Solution Epitaxy". <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9519-23	16.4	125
276	Organic Light-Emitting Transistors: Materials, Device Configurations, and Operations. <i>Small</i> , 2016 , 12, 1252-94	11	141
275	Titelbild: A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by Solution Epitaxy (Angew. Chem. 33/2016). <i>Angewandte Chemie</i> , 2016 , 128, 9593-9593	3.6	
274	Charge Transport in Organic and Polymeric Semiconductors for Flexible and Stretchable Devices. <i>Advanced Materials</i> , 2016 , 28, 4513-23	24	147
273	Electron Mobility Exceeding 10 cm ² V ⁻¹ s ⁻¹ and Band-Like Charge Transport in Solution-Processed n-Channel Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2016 , 28, 5276-83	24	149
272	The Impact of Interlayer Electronic Coupling on Charge Transport in Organic Semiconductors: A Case Study on Titanylphthalocyanine Single Crystals. <i>Angewandte Chemie</i> , 2016 , 128, 5292-5295	3.6	5
271	Organic Light-Emitting Transistors: Organic Light-Emitting Transistors: Materials, Device Configurations, and Operations (Small 10/2016). <i>Small</i> , 2016 , 12, 1392-1392	11	4
270	Effect of Triplet State on the Lifetime of Charge Separation in Ambipolar D-A1-A2 Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11338-11349	3.8	22
269	Efficient ambipolar transport properties in alternate stacking donor-acceptor complexes: from experiment to theory. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 14094-103	3.6	52
268	Ultrathin annealing-free polymer layers: new opportunity to enhance mobility and stability of low-voltage thin-film organic transistors. <i>RSC Advances</i> , 2016 , 6, 51264-51269	3.7	1
267	Effect of Fluorination on Molecular Orientation of Conjugated Polymers in High Performance Field-Effect Transistors. <i>Macromolecules</i> , 2016 , 49, 6431-6438	5.5	55
266	Recent advances in one-dimensional organic p-n heterojunctions for optoelectronic device applications. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9388-9398	7.1	37
265	2D Materials: Large-Size 2D Cu ₂ S Nanosheets with Giant Phase Transition Temperature Lowering (120 K) Synthesized by a Novel Method of Super-Cooling Chemical-Vapor-Deposition (Adv. Mater. 37/2016). <i>Advanced Materials</i> , 2016 , 28, 8316-8316	24	1
264	Uncovering the Intramolecular Emission and Tuning the Nonlinear Optical Properties of Organic Materials by Cocrystallization. <i>Angewandte Chemie</i> , 2016 , 128, 14229-14233	3.6	28
263	Vertical 2D MoO ₂ /MoSe ₂ Core-Shell Nanosheet Arrays as High-Performance Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2016 , 26, 8537-8544	15.6	134
262	Metal-organic frameworks as selectivity regulators for hydrogenation reactions. <i>Nature</i> , 2016 , 539, 76-80	9.4	925

261	Uncovering the Intramolecular Emission and Tuning the Nonlinear Optical Properties of Organic Materials by Cocrystallization. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14023-14027	16.4	82
260	Top-Pinning Controlled Dewetting for Fabrication of Large-Scaled Polymer Microwires and Applications in OFETs. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600111	6.4	9
259	Organic field-effect transistor-based gas sensors. <i>Chemical Society Reviews</i> , 2015 , 44, 2087-107	58.5	309
258	Solution-Processed Large-Area Nanocrystal Arrays of Metal-Organic Frameworks as Wearable, Ultrasensitive, Electronic Skin for Health Monitoring. <i>Small</i> , 2015 , 11, 3351-6	11	61
257	High-energy, stable and recycled molecular solar thermal storage materials using AZO/graphene hybrids by optimizing hydrogen bonds. <i>Nanoscale</i> , 2015 , 7, 16214-21	7.7	45
256	Individual single-crystal nanowires as electrodes for organic single-crystal nanodevices. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9534-9539	7.1	4
255	Rational Design of Charge-Transfer Interactions in Halogen-Bonded Co-crystals toward Versatile Solid-State Optoelectronics. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11038-46	16.4	198
254	Conjugated polymers with deep LUMO levels for field-effect transistors and polymer/polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8255-8261	7.1	18
253	A cross-dipole stacking molecule of an anthracene derivative: integrating optical and electrical properties. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3068-3071	7.1	32
252	The position effect of an ethynyl spacer on the carrier mobility of anthracene derivatives. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 5368-5371	7.1	12
251	Single grain boundary break junction for suspended nanogap electrodes with gapwidth down to 1-2 nm by focused ion beam milling. <i>Advanced Materials</i> , 2015 , 27, 3002-6	24	46
250	Revealing the charge-transfer interactions in self-assembled organic cocrystals: two-dimensional photonic applications. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6785-9	16.4	169
249	Nanogap Electrodes: Single Grain Boundary Break Junction for Suspended Nanogap Electrodes with Gapwidth Down to 1.2 nm by Focused Ion Beam Milling (Adv. Mater. 19/2015). <i>Advanced Materials</i> , 2015 , 27, 3095-3095	24	4
248	A supramolecular assembly of cross-linked azobenzene/polymers for a high-performance light-driven actuator. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16453-16460	13	55
247	Structure property relationships of benzo[b]thiophen/benzo[b]furan end-capped naphthalene oligomers and their application for organic field effect transistors. <i>RSC Advances</i> , 2015 , 5, 31018-31023	3.7	5
246	Side Chain Influence on the Morphology and Photovoltaic Performance of 5-Fluoro-6-alkyloxybenzothiadiazole and Benzodithiophene Based Conjugated Polymers. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10710-7	9.5	36
245	A high energy density azobenzene/graphene hybrid: a nano-templated platform for solar thermal storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11787-11795	13	74
244	Green light-emitting diode from bromine based organic-inorganic halide perovskite. <i>Science China Materials</i> , 2015 , 58, 186-191	7.1	54

243	Naphthyl substituted anthracene combining charge transport with light emission. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10695-10698	7.1	22
242	Reversible Tuning of Interfacial and Intramolecular Charge Transfer in Individual MnPc Molecules. <i>Nano Letters</i> , 2015 , 15, 8091-8	11.5	11
241	Synthesis and application of benzooxadiazole-based conjugated polymers in high performance phototransistors. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 12083-12089	7.1	4
240	Polyimide (PI) high-quality polymer dielectric films with the features of anti-solvents and large-area consistency for field-effect transistors. <i>RSC Advances</i> , 2015 , 5, 88059-88062	3.7	3
239	Role of redox centre in charge transport investigated by novel self-assembled conjugated polymer molecular junctions. <i>Nature Communications</i> , 2015 , 6, 7478	17.4	37
238	High charge mobility polymers based on a new di(thiophen-2-yl)thieno[3,2-b]thiophene for transistors and solar cells. <i>Polymer Chemistry</i> , 2015 , 6, 7684-7692	4.9	7
237	High mobility emissive organic semiconductor. <i>Nature Communications</i> , 2015 , 6, 10032	17.4	303
236	Poly(sodium-4-styrene sulfonate) (PSSNa)-assisted transferable flexible, top-contact high-resolution free-standing organic field-effect transistors. <i>RSC Advances</i> , 2015 , 5, 98288-98292	3.7	9
235	Synthesis, characterization and field-effect transistor performance of a benzoannulated pentathienoacene derivative. <i>New Journal of Chemistry</i> , 2015 , 39, 1045-1050	3.6	3
234	Tuning the crystal polymorphs of alkyl thienoacene via solution self-assembly toward air-stable and high-performance organic field-effect transistors. <i>Advanced Materials</i> , 2015 , 27, 825-30	24	88
233	Competitive Adsorption of Pb, Ni, and Sr Ions on Graphene Oxides: A Combined Experimental and Theoretical Study. <i>ChemPlusChem</i> , 2015 , 80, 480-484	2.8	89
232	Three-Dimensional Multilayer Assemblies of MoS ₂ /Reduced Graphene Oxide for High-Performance Lithium Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 489-497	3.1	32
231	Molecular Electronics: Nanogap Electrodes towards Solid State Single-Molecule Transistors (Small 46/2015). <i>Small</i> , 2015 , 11, 6240-6240	11	2
230	Organic Nano Field-Effect Transistor 2015 , 309-356		
229	Quick Fabrication of Large-area Organic Semiconductor Single Crystal Arrays with a Rapid Annealing Self-Solution-Shearing Method. <i>Scientific Reports</i> , 2015 , 5, 13195	4.9	31
228	Porphyrim Supramolecular 1D Structures via Surfactant-Assisted Self-Assembly. <i>Advanced Materials</i> , 2015 , 27, 5379-87	24	85
227	High Performance Polymer Nanowire Field-Effect Transistors with Distinct Molecular Orientations. <i>Advanced Materials</i> , 2015 , 27, 4963-8	24	68
226	Diaceno[a,e]pentalenes: An Excellent Molecular Platform for High-Performance Organic Semiconductors. <i>Chemistry - A European Journal</i> , 2015 , 21, 17016-22	4.8	36

225	Nanogap Electrodes towards Solid State Single-Molecule Transistors. <i>Small</i> , 2015 , 11, 6115-41	11	39
224	Molecular Heterojunctions of Oligo(phenylene ethynylene)s with Linear to Cruciform Framework. <i>Advanced Functional Materials</i> , 2015 , 25, 1700-1708	15.6	25
223	High-Performance UV-Sensitive Organic Phototransistors Based on Benzo[1,2-b:4,5-b']dithiophene Dimers Linked with Unsaturated Bonds. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500071	6.4	26
222	Revealing the Charge-Transfer Interactions in Self-Assembled Organic Cocrystals: Two-Dimensional Photonic Applications. <i>Angewandte Chemie</i> , 2015 , 127, 6889-6893	3.6	38
221	Pyridine-bridged diketopyrrolopyrrole conjugated polymers for field-effect transistors and polymer solar cells. <i>Polymer Chemistry</i> , 2015 , 6, 4775-4783	4.9	31
220	High-performance organic field-effect transistors based on single-crystalline microribbons of a two-dimensional fused heteroarene semiconductor. <i>Chemical Communications</i> , 2015 , 51, 11961-3	5.8	18
219	Thin film field-effect transistors of 2,6-diphenyl anthracene (DPA). <i>Chemical Communications</i> , 2015 , 51, 11777-9	5.8	78
218	Thermal induced single grain boundary break junction for suspended nanogap electrodes. <i>Science China Materials</i> , 2015 , 58, 769-774	7.1	3
217	Challenges of organic π -cocrystals. <i>Science China Materials</i> , 2015 , 58, 854-859	7.1	27
216	Modulating the metal/organic interface via CuTCNQ decorated layer toward high performance bottom-contact single-crystal transistors. <i>Science China Chemistry</i> , 2015 , 58, 1027-1031	7.9	2
215	Precisely Tailoring the Stoichiometric Stacking of Perylene-TCNQ Co-Crystals towards Different Nano and Microstructures with Varied Optoelectronic Performances. <i>Small</i> , 2015 , 11, 2150-6	11	71
214	High-mobility polymeric semiconductors. <i>Chinese Science Bulletin</i> , 2015 , 60, 2169-2187	2.9	8
213	Touching polymer chains by organic field-effect transistors. <i>Scientific Reports</i> , 2014 , 4, 6387	4.9	5
212	Self-Aligned Single-Crystal Graphene Grains. <i>Advanced Functional Materials</i> , 2014 , 24, 1664-1670	15.6	43
211	Regioselective Deposition Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards All-Solution-Processed, High-Performance, Bottom-Contacted, Flexible, Polymer-Based Electronics. <i>Advanced Functional Materials</i> , 2014 , 24, 3783-3789	15.6	29
210	Near-equilibrium chemical vapor deposition of high-quality single-crystal graphene directly on various dielectric substrates. <i>Advanced Materials</i> , 2014 , 26, 1348-53	24	115
209	Graphene: Near-Equilibrium Chemical Vapor Deposition of High-Quality Single-Crystal Graphene Directly on Various Dielectric Substrates (Adv. Mater. 9/2014). <i>Advanced Materials</i> , 2014 , 26, 1471-1471	24	1
208	Rubrene analogues with the aggregation-induced emission enhancement behaviour. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 884-890	7.1	21

207	Easily solution-processed, high-performance microribbon transistors based on a 2D condensed benzothiophene derivative. <i>Chemical Communications</i> , 2014 , 50, 442-4	5.8	38
206	Solution-processed high-performance flexible 9, 10-bis(phenylethynyl)anthracene organic single-crystal transistor and ring oscillator. <i>Applied Physics Letters</i> , 2014 , 104, 063305	3.4	25
205	Graphene: Layer-Stacking Growth and Electrical Transport of Hierarchical Graphene Architectures (Adv. Mater. 20/2014). <i>Advanced Materials</i> , 2014 , 26, 3355-3355	24	
204	A novel method for photolithographic polymer shadow masking: toward high-resolution high-performance top-contact organic field effect transistors. <i>Chemical Communications</i> , 2014 , 50, 8328-30	5.8	20
203	Solution-sheared ultrathin films for highly-sensitive ammonia detection using organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1264	7.1	56
202	Enhancement of the p-channel performance of sulfur-bridged annulene through a donor-acceptor co-crystal approach. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8886-8891	7.1	22
201	High performance n-type and ambipolar small organic semiconductors for organic thin film transistors. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 22448-57	3.6	143
200	5,6-Difluorobenzothiadiazole and silafluorene based conjugated polymers for organic photovoltaic cells. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5116-5123	7.1	26
199	Two-dimensional Cr ₂ O ₃ and interconnected graphene/Cr ₂ O ₃ nanosheets: synthesis and their application in lithium storage. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 944-948	13	44
198	A thienyl peripherally substituted rubrene analogue with constant emissions and good film forming ability. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8222-8225	7.1	10
197	Porphyrin nanoassemblies via surfactant-assisted assembly and single nanofiber nanoelectronic sensors for high-performance H ₂ O vapor sensing. <i>ACS Nano</i> , 2014 , 8, 3402-11	16.7	74
196	Synthesis and aggregation-induced emissions of thienyl substituted cyclobutene derivatives. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5083-5086	7.1	11
195	Inkjet printing short-channel polymer transistors with high-performance and ultrahigh photoresponsivity. <i>Advanced Materials</i> , 2014 , 26, 4683-9	24	74
194	Silver mirror reaction for organic electronics: towards high-performance organic field-effect transistors and circuits. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4142	7.1	26
193	Charge-transfer complex crystal based on extended- π -conjugated acceptor and sulfur-bridged annulene: charge-transfer interaction and remarkable high ambipolar transport characteristics. <i>Advanced Materials</i> , 2014 , 26, 4093-9	24	119
192	Organic Electronics: Regioselective Deposition Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards All-Solution-Processed, High-Performance, Bottom-Contacted, Flexible, Polymer-Based Electronics (Adv. Funct. Mater. 24/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 3782-3782	15.6	3
191	Enhancement of thermoelectric performance in InAs nanotubes by tuning quantum confinement effect. <i>Journal of Applied Physics</i> , 2014 , 115, 124308	2.5	13
190	Copolymers of benzo[1,2-b:4,5-b']dithiophene and bithiazole for high-performance thin film phototransistors. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 9505-9511	7.1	25

189	Transistors: Inkjet Printing Short-Channel Polymer Transistors with High-Performance and Ultrahigh Photoresponsivity (Adv. Mater. 27/2014). <i>Advanced Materials</i> , 2014 , 26, 4752-4752	24	0
188	Synthesis, characterization, and field-effect transistor performance of a two-dimensional starphene containing sulfur. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 10011-10016	7.1	10
187	Conjugated Molecules Crosslinked Graphene-Based Ultrathin Films and Their Tunable Performances in Organic Nanoelectronics. <i>Advanced Functional Materials</i> , 2014 , 24, 543-554	15.6	22
186	Large scale, flexible organic transistor arrays and circuits based on polyimide materials. <i>Organic Electronics</i> , 2013 , 14, 2528-2533	3.5	54
185	Poly(3-hexylthiophene) monolayer nanowhiskers. <i>Polymer Chemistry</i> , 2013 , 4, 4308	4.9	34
184	Substitution effects on the electrical transporting properties of tetrathia[22]annulene[2,1,2,1]: experimental and theoretical investigations. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5765	7.1	14
183	25th anniversary article: key points for high-mobility organic field-effect transistors. <i>Advanced Materials</i> , 2013 , 25, 6158-83	24	598
182	Donor-acceptor copolymers containing quinacridone and benzothiadiazole for thin film transistors. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2021	7.1	24
181	Stepwise Reduction of Immobilized Monolayer Graphene Oxides. <i>Chemistry of Materials</i> , 2013 , 25, 4839-4848	12	12
180	Integration of antireflection and light diffraction in nature: a strategy for light trapping. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10607	13	21
179	Fullerene/sulfur-bridged annulene cocrystals: two-dimensional segregated heterojunctions with ambipolar transport properties and photoresponsivity. <i>Journal of the American Chemical Society</i> , 2013 , 135, 558-61	16.4	150
178	A DAD swivel-cruciform oligothiophene based on 5,5'-bibenzothiadiazole. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 414-417	7.1	12
177	Controllable Growth and Assembly of One-Dimensional Structures of Organic Functional Materials for Optoelectronic Applications 2013 , 397-414		
176	Electrical Switching Behavior of a [60]Fullerene-Based Molecular Wire Encapsulated in a Syndiotactic Poly(methyl methacrylate) Helical Cavity. <i>Angewandte Chemie</i> , 2013 , 125, 1083-1087	3.6	10
175	Innentitelbild: Electrical Switching Behavior of a [60]Fullerene-Based Molecular Wire Encapsulated in a Syndiotactic Poly(methyl methacrylate) Helical Cavity (Angew. Chem. 3/2013). <i>Angewandte Chemie</i> , 2013 , 125, 804-804	3.6	
174	Photoswitches: High Performance Photoswitches Based on Flexible and Amorphous DAA Polymer Nanowires (Small 2/2013). <i>Small</i> , 2013 , 9, 166-166	11	2
173	Dye-Sensitized Solar Cells (DSSCs) 2013 , 437-465		1
172	Polymer Solar Cells 2013 , 407-435		1

171	Ordering of conjugated polymer molecules: recent advances and perspectives. <i>Polymer Chemistry</i> , 2013 , 4, 5197	4.9	90
170	Conjugated polymers with 2,7-linked 3,6-difluorocarbazole as donor unit for high efficiency polymer solar cells. <i>Polymer Chemistry</i> , 2013 , 4, 2773	4.9	30
169	Synthesis and morphology transformation of single-crystal graphene domains based on activated carbon dioxide by chemical vapor deposition. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2990	7.1	23
168	Reduction of graphene oxide to highly conductive graphene by Lawesson's reagent and its electrical applications. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3104	7.1	127
167	Atomically flat, large-sized, two-dimensional organic nanocrystals. <i>Small</i> , 2013 , 9, 990-5	11	45
166	Electronic Process in Organic Solids 2013 , 1-42		
165	Organic/Polymeric Semiconductors for Field-Effect Transistors 2013 , 43-94		2
164	Organic/Polymeric Field-Effect Transistors 2013 , 95-170		3
163	Organic Circuits and Organic Single-Molecule Transistors 2013 , 171-276		
162	Polymer Light-Emitting Diodes (PLEDs): Devices and Materials 2013 , 277-336		2
161	Organic Solids for Photonics 2013 , 337-349		
160	Organic Photonic Devices 2013 , 351-374		3
159	Organic Solar Cells Based on Small Molecules 2013 , 375-405		1
158	Organic Thermoelectric Power Devices 2013 , 467-486		
157	Glossary of the book 2013 , 487-495		
156	Low-temperature, bottom-up synthesis of graphene via a radical-coupling reaction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9050-4	16.4	51
155	Highly Stable Graphene-Based Multilayer Films Immobilized via Covalent Bonds and Their Applications in Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2013 , 23, 2422-2435	15.6	50
154	Highly active MnO ₂ nanosheet synthesis from graphene oxide templates and their application in efficient oxidative degradation of methylene blue. <i>RSC Advances</i> , 2013 , 3, 12909	3.7	79

153	N-Alkyl substituted di(perylene bisimides) as air-stable electron transport materials for solution-processible thin-film transistors with enhanced performance. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 3200	7.1	36
152	High Performance Nanocrystals of a Donor-Acceptor Conjugated Polymer. <i>Chemistry of Materials</i> , 2013 , 25, 2649-2655	9.6	59
151	High performance photoswitches based on flexible and amorphous D-A polymer nanowires. <i>Small</i> , 2013 , 9, 294-9	11	23
150	Organic Nanocrystals: Atomically Flat, Large-Sized, Two-Dimensional Organic Nanocrystals (Small 7/2013). <i>Small</i> , 2013 , 9, 962-962	11	3
149	Visible-Light Photocatalytic Degradation of Methylene Blue Using SnO ₂ /Fe ₂ O ₃ Hierarchical Nanoheterostructures. <i>ChemPlusChem</i> , 2013 , 78, 192-199	2.8	62
148	Substrate-free ultra-flexible organic field-effect transistors and five-stage ring oscillators. <i>Advanced Materials</i> , 2013 , 25, 5455-60	24	91
147	Substitution effect on molecular packing and transistor performance of indolo[3,2-b]carbazole derivatives. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4409-4417		50
146	High performance n-type single crystalline transistors of naphthalene bis(dicarboximide) and their anisotropic transport in crystals. <i>Chemical Communications</i> , 2012 , 48, 5154-6	5.8	36
145	Synthesis of a Conjugated Polymer with Broad Absorption and Its Application in High-Performance Phototransistors. <i>Macromolecules</i> , 2012 , 45, 1296-1302	5.5	57
144	A conjugated polymer based on 5,5'-bibenzo[c][1,2,5]thiadiazole for high-performance solar cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 3432		19
143	Interface engineering for high-performance organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 14165-80	3.6	79
142	Conducting Polymers: Applications in Electronics and Photovoltaics 2012 ,		1
141	Photovoltaic effect of individual polymer nanotube. <i>Applied Physics Letters</i> , 2012 , 100, 173902	3.4	5
140	Solvent-vapor induced self-assembly of a conjugated polymer: A correlation between solvent nature and transistor performance. <i>Organic Electronics</i> , 2012 , 13, 2372-2378	3.5	21
139	Synthesizing MnO ₂ nanosheets from graphene oxide templates for high performance pseudosupercapacitors. <i>Chemical Science</i> , 2012 , 3, 433-437	9.4	177
138	Mass-production of single-crystalline device arrays of an organic charge-transfer complex for its memory nature. <i>Small</i> , 2012 , 8, 557-60, 478	11	27
137	Device Arrays: Mass-Production of Single-Crystalline Device Arrays of an Organic Charge-Transfer Complex for its Memory Nature (Small 4/2012). <i>Small</i> , 2012 , 8, 478-478	11	1
136	Semiconducting π -conjugated systems in field-effect transistors: a material odyssey of organic electronics. <i>Chemical Reviews</i> , 2012 , 112, 2208-67	68.1	2738

135	Organic photoresponse materials and devices. <i>Chemical Society Reviews</i> , 2012 , 41, 1754-808	58.5	493
134	High-performance and stable organic transistors and circuits with patterned polypyrrole electrodes. <i>Advanced Materials</i> , 2012 , 24, 2159-64	24	43
133	Coaxial organic p-n heterojunction nanowire arrays: one-step synthesis and photoelectric properties. <i>Advanced Materials</i> , 2012 , 24, 2332-6	24	80
132	High mobility, air stable, organic single crystal transistors of an n-type diperylene bisimide. <i>Advanced Materials</i> , 2012 , 24, 2626-30	24	187
131	Sulfur-bridged annulene-TCNQ co-crystal: a self-assembled "molecular level heterojunction" with air stable ambipolar charge transport behavior. <i>Advanced Materials</i> , 2012 , 24, 2603-7	24	176
130	Anisotropic photoresponse properties of single micrometer-sized GeSe nanosheet. <i>Advanced Materials</i> , 2012 , 24, 4528-33	24	196
129	Plasma Synthesis of Surface-Functionalized Graphene-Based Platinum Nanoparticles: Highly Active Electrocatalysts as Electrodes for Direct Methanol Fuel Cells. <i>ChemPlusChem</i> , 2012 , 77, 432-436	2.8	27
128	Uniform hexagonal graphene flakes and films grown on liquid copper surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 7992-6	11.5	351
127	Single crystal field-effect transistors containing a pentacene analogue and their application in ethanol vapor detection. <i>Applied Physics Letters</i> , 2012 , 101, 103302	3.4	25
126	Growth of large-size-two-dimensional crystalline pentacene grains for high performance organic thin film transistors. <i>AIP Advances</i> , 2012 , 2, 022138	1.5	5
125	Controlled growth and assembly of one-dimensional ordered nanostructures of organic functional materials. <i>Soft Matter</i> , 2011 , 7, 1615-1630	3.6	45
124	Solution-processed, high-performance nanoribbon transistors based on dithiopyrene. <i>Journal of the American Chemical Society</i> , 2011 , 133, 1-3	16.4	239
123	Recent progress of high performance organic thin film field-effect transistors. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11708		61
122	9-Alkylidene-9H-Fluorene-Containing Polymer for High-Efficiency Polymer Solar Cells. <i>Macromolecules</i> , 2011 , 44, 7617-7624	5.5	95
121	A Copolymer of Benzodithiophene with TIPS Side Chains for Enhanced Photovoltaic Performance. <i>Macromolecules</i> , 2011 , 44, 9173-9179	5.5	57
120	New X-shaped oligothiophenes for solution-processed solar cells. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9667		31
119	Organic single crystalline micro- and nanowires field-effect transistors of a tetrathiafulvalene (TTF) derivative with strong π orbitals and S π S interactions. <i>Synthetic Metals</i> , 2011 , 161, 136-142	3.6	11
118	Experimental techniques for the fabrication and characterization of organic thin films for field-effect transistors. <i>Chemical Reviews</i> , 2011 , 111, 3358-406	68.1	215

117	Synthesis of large-area, few-layer graphene on iron foil by chemical vapor deposition. <i>Nano Research</i> , 2011 , 4, 1208-1214	10	106
116	A new pseudo rubrene analogue with excellent film forming ability. <i>Science China Chemistry</i> , 2011 , 54, 631-635	7.9	3
115	Thiazolothiazole-containing polythiophenes with low HOMO level and high hole mobility for polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 4875-4885	2.5	24
114	Organic nanowire crystals combine excellent device performance and mechanical flexibility. <i>Small</i> , 2011 , 7, 189-93	11	41
113	Organic Nanowires: Organic Nanowire Crystals Combine Excellent Device Performance and Mechanical Flexibility (Small 2/2011). <i>Small</i> , 2011 , 7, 162-162	11	
112	Inkjet-Printed Organic Electrodes for Bottom-Contact Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2011 , 21, 786-791	15.6	26
111	Millimeter-sized molecular monolayer two-dimensional crystals. <i>Advanced Materials</i> , 2011 , 23, 2059-63	24	171
110	All-solution-processed, high-performance n-channel organic transistors and circuits: toward low-cost ambient electronics. <i>Advanced Materials</i> , 2011 , 23, 2448-53	24	164
109	High-performance organic single-crystal field-effect transistors of indolo[3,2-b]carbazole and their potential applications in gas controlled organic memory devices. <i>Advanced Materials</i> , 2011 , 23, 5075-80, 5074	24	72
108	Mica, a potential two-dimensional-crystal gate insulator for organic field-effect transistors. <i>Advanced Materials</i> , 2011 , 23, 5502-7	24	73
107	Organic Field-Effect Transistors: High-Performance Organic Single-Crystal Field-Effect Transistors of Indolo[3,2-b]carbazole and Their Potential Applications in Gas Controlled Organic Memory Devices (Adv. Mater. 43/2011). <i>Advanced Materials</i> , 2011 , 23, 5074-5074	24	3
106	Controlling Molecular Packing for Charge Transport in Organic Thin Films. <i>Advanced Energy Materials</i> , 2011 , 1, 188-193	21.8	33
105	Single crystal n-channel field effect transistors from solution-processed silylethynylated tetraazapentacene. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15201		46
104	Morphology control for high performance organic thin film transistors. <i>Chemical Science</i> , 2011 , 2, 590-600	9.4	93
103	Physicochemical, self-assembly and field-effect transistor properties of anti- and syn- thienoacene isomers. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11335		18
102	Nonvolatile memory effect of a functional polyimide containing ferrocene as the electroactive moiety. <i>Applied Physics Letters</i> , 2011 , 98, 203302	3.4	38
101	Graphene and graphene oxide nanogap electrodes fabricated by atomic force microscopy nanolithography. <i>Applied Physics Letters</i> , 2010 , 97, 133301	3.4	57
100	Template-free solution growth of highly regular, crystal orientation-ordered C60 nanorod bundles. <i>Journal of Materials Chemistry</i> , 2010 , 20, 953-956		21

99	High performance organic semiconductors for field-effect transistors. <i>Chemical Communications</i> , 2010 , 46, 5211-22	5.8	285
98	Polymer brush and inorganic oxide hybrid nanodielectrics for high performance organic transistors. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 5315-9	3.4	36
97	Dibenzothiophene Derivatives: From Herringbone to Lamellar Packing Motif. <i>Crystal Growth and Design</i> , 2010 , 10, 4155-4160	3.5	69
96	Assembled Organic/Inorganic p-n Junction Interface and Photovoltaic Cell on a Single Nanowire. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 327-330	6.4	129
95	Solution-based fabrication of single-crystalline arrays of organic nanowires. <i>Langmuir</i> , 2010 , 26, 1130-6	4	48
94	Micro- and nanocrystals of organic semiconductors. <i>Accounts of Chemical Research</i> , 2010 , 43, 529-40	24.3	334
93	Synthesis, self-assembly, and solution-processed nanoribbon field-effect transistor of a fused-nine-ring thienoacene. <i>Chemical Communications</i> , 2010 , 46, 2841-3	5.8	33
92	Tuning intermolecular non-covalent interactions for nanowires of organic semiconductors. <i>Nanoscale</i> , 2010 , 2, 2652-6	7.7	22
91	Single crystal ribbons and transistors of a solution processed sickle-like fused-ring thienoacene. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6014		35
90	High performance ultraviolet photodetectors based on an individual Zn ₂ SnO ₄ single crystalline nanowire. <i>Journal of Materials Chemistry</i> , 2010 , 20, 9858		39
89	Mobility dependence on the conducting channel dimension of organic field-effect transistors based on single-crystalline nanoribbons. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7029		41
88	Organic single-crystalline p-n junction nanoribbons. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11580-4	16.4	181
87	Development of organic field-effect properties by introducing aryl-acetylene into benzodithiophene. <i>Journal of Materials Chemistry</i> , 2010 , 20, 10931		24
86	Blending induced stack-ordering and performance improvement in a solution-processed n-type organic field-effect transistor. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1203-1207		26
85	Biphase micro/nanometer sized single crystals of organic semiconductors: Control synthesis and their strong phase dependent optoelectronic properties. <i>Applied Physics Letters</i> , 2010 , 96, 143302	3.4	44
84	Organic single crystal field-effect transistors: advances and perspectives. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4994		141
83	Organic single crystals or crystalline micro/nanostructures: Preparation and field-effect transistor applications. <i>Science China Chemistry</i> , 2010 , 53, 1225-1234	7.9	6
82	High-Performance Phototransistors Based on Organic Microribbons Prepared by a Solution Self-Assembly Process. <i>Advanced Functional Materials</i> , 2010 , 20, 1019-1024	15.6	116

81	"Water strider" legs with a self-assembled coating of single-crystalline nanowires of an organic semiconductor. <i>Advanced Materials</i> , 2010 , 22, 376-9	24	57
80	Organic single crystal field-effect transistors based on 6H-pyrrolo[3,2-b:4,5-b']bis[1,4]benzothiazine and its derivatives. <i>Advanced Materials</i> , 2010 , 22, 2458-62	24	48
79	Electric current induced reduction of graphene oxide and its application as gap electrodes in organic photoswitching devices. <i>Advanced Materials</i> , 2010 , 22, 5008-12	24	81
78	Hybrid bipolar transistors and inverters of nanoribbon crystals. <i>Applied Physics Letters</i> , 2009 , 94, 203304	3.4	15
77	Langmuir-Blodgett monolayer transistors of copper phthalocyanine. <i>Applied Physics Letters</i> , 2009 , 95, 033304	3.4	21
76	Single crystalline microribbons of perylo[1,12-b,c,d]selenophene for high performance transistors. <i>Applied Physics Letters</i> , 2009 , 94, 153306	3.4	46
75	Metastable Copper-Phthalocyanine Single-Crystal Nanowires and Their Use in Fabricating High-Performance Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2009 , 19, 3776-3780	15.6	75
74	Battery Drivable Organic Single-Crystalline Transistors Based on Surface Grafting Ultrathin Polymer Dielectric. <i>Advanced Functional Materials</i> , 2009 , 19, 2987-2991	15.6	28
73	Micrometer- and Nanometer-Sized, Single-Crystalline Ribbons of a Cyclic Triphenylamine Dimer and Their Application in Organic Transistors. <i>Advanced Materials</i> , 2009 , 21, 1605-1608	24	19
72	High-Performance Organic Single-Crystal Transistors and Digital Inverters of an Anthracene Derivative. <i>Advanced Materials</i> , 2009 , 21, 3649-3653	24	115
71	Micrometer-Sized Organic Single Crystals, Anisotropic Transport, and Field-Effect Transistors of a Fused-Ring Thienoacene. <i>Advanced Materials</i> , 2009 , 21, 4492-4495	24	100
70	Assembly of Nanoscale Organic Single-Crystal Cross-Wire Circuits. <i>Advanced Materials</i> , 2009 , 21, 4234-4237	24	99
69	Field-effect transistor chemical sensors of single nanoribbon of copper phthalocyanine. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 751-754		26
68	Tuning reaction processes for the synthesis of micron and nanometer sized, single crystalline lamellae of copper 7,7,8,8-tetracyano-p-quinodimethane (Phase II) with large area. <i>Nano Research</i> , 2009 , 2, 630-637	10	13
67	Water-controlled synthesis of low-dimensional molecular crystals and the fabrication of a new water and moisture indicator. <i>Nano Research</i> , 2009 , 2, 857-864	10	15
66	High-Performance, Stable Organic Field-Effect Transistors Based on trans-1,2-(Dithieno[2,3-b:3',2'-d]thiophene)ethene. <i>Chemistry of Materials</i> , 2009 , 21, 1993-1999	9.6	100
65	Nanowire crystals of a rigid rod conjugated polymer. <i>Journal of the American Chemical Society</i> , 2009 , 131, 17315-20	16.4	123
64	Molecular orientation and field-effect transistors of a rigid rod conjugated polymer thin films. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 4176-80	3.4	33

63	Cruciforms: Assembling Single Crystal Micro- and Nanostructures from One to Three Dimensions and Their Applications in Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2009 , 21, 2840-2845	9.6	89
62	Micro-organic single crystalline phototransistors of 7,7,8,8-tetracyanoquinodimethane and tetrathiafulvalene. <i>Applied Physics Letters</i> , 2009 , 94, 123308	3.4	42
61	Langmuir-Blodgett monolayer as an efficient p-conducting channel of ambipolar organic transistors and a template for n-type molecular alignment. <i>Langmuir</i> , 2009 , 25, 3349-51	4	31
60	Polymer reptation for molecular assembly of copper phthalocyanine. <i>Applied Physics Letters</i> , 2009 , 95, 113301	3.4	11
59	Synthesis, packing arrangement and transistor performance of dimers of dithienothiophenes. <i>Journal of Materials Chemistry</i> , 2009 , 19, 8216		30
58	New type of organic semiconductors for field-effect transistors with carbon-carbon triple bonds. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1477		39
57	Optimizing molecular orientation for high performance organic thin film transistors based on titanil phthalocyanine. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5507		9
56	Air-stable ambipolar field-effect transistors based on copper phthalocyanine and tetracyanoquinodimethane. <i>Research on Chemical Intermediates</i> , 2008 , 34, 147-153	2.8	2
55	Light-controlled organic/inorganic P-N junction nanowires. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9198-9	16.4	151
54	Single-crystalline, size, and orientation controllable nanowires and ultralong microwires of organic semiconductor with strong photoswitching property. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3937-41	16.4	122
53	Air-stable ambipolar organic field-effect transistor based on a novel bi-channel structure. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2420		17
52	6H-Pyrrolo[3,2-b:4,5-b']bis[1,4]benzothiazines: facilely synthesized semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4814		27
51	Ordering rigid rod conjugated polymer molecules for high performance photoswitchers. <i>Langmuir</i> , 2008 , 24, 13241-4	4	47
50	Organic thin-film transistors of phthalocyanines. <i>Pure and Applied Chemistry</i> , 2008 , 80, 2231-2240	2.1	66
49	Air/vacuum dielectric organic single crystalline transistors of copper-hexadecafluorophthalocyanine ribbons. <i>Applied Physics Letters</i> , 2008 , 92, 083309	3.4	33
48	Electroplating silver tetracyanoquinodimethane between gold micro-gap electrodes for the fabrication of coplanar devices, a new way to integrate material synthesis and devices fabrication within one step. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 91, 301-303	2.6	7
47	High-Performance Air-Stable Bipolar Field-Effect Transistors of Organic Single-Crystalline Ribbons with an Air-Gap Dielectric. <i>Advanced Materials</i> , 2008 , 20, 1511-1515	24	126
46	Organic Single-Crystalline Ribbons of a Rigid "H"-type Anthracene Derivative and High-Performance, Short-Channel Field-Effect Transistors of Individual Micro/Nanometer-Sized Ribbons Fabricated by an "Organic Ribbon Mask" Technique. <i>Advanced Materials</i> , 2008 , 20, 2735-40	24	150

45	Dibenzothiophene derivatives as new prototype semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2007 , 17, 1421		53
44	A non-planar organic molecule with non-volatile electrical bistability for nano-scale data storage. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3530		26
43	Tetrathia[22]annulene[2,1,2,1]: physical properties, crystal structure and application in organic field-effect transistors. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4377		37
42	High-performance transistor based on individual single-crystalline micrometer wire of perylo[1,12-b,c,d]thiophene. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1882-3	16.4	134
41	Phase dependence of single crystalline transistors of tetrathiafulvalene. <i>Applied Physics Letters</i> , 2007 , 91, 123505	3-4	79
40	Small Molecular Chromogenic Sensors for Hg ²⁺ : A Strong Push-Pull System Exists after Binding. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 2459-2463	3-2	33
39	A new morphology of copper 7,7,8,8-tetracyano-p-quinodimethane. <i>Micron</i> , 2007 , 38, 536-42	2-3	13
38	Surface nanostructures orienting self-protection of an orthodontic nickel-titanium shape memory alloys wire. <i>Science Bulletin</i> , 2007 , 52, 3020-3023		2
37	Progresses in organic field-effect transistors and molecular electronics. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2006 , 1, 357-363		1
36	Electron transport in self-assembled polymer molecular junctions. <i>Physical Review Letters</i> , 2006 , 96, 027801	3-1	68
35	Organic thin-film transistors with high mobilities and low operating voltages based on 5,5'-bis-biphenyl-dithieno[3,2-b:2',3'-d]thiophene semiconductor and polymer gate dielectric. <i>Applied Physics Letters</i> , 2006 , 88, 242113	3-4	40
34	Controlling the growth of single crystalline nanoribbons of copper tetracyanoquinodimethane for the fabrication of devices and device arrays. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12917-22	16.4	97
33	High-performance air-stable n-type transistors with an asymmetrical device configuration based on organic single-crystalline submicrometer/nanometer ribbons. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14634-9	16.4	231
32	Advancing conjugated polymers into nanometer-scale devices. <i>Pure and Applied Chemistry</i> , 2006 , 78, 1803-1822	2-1	8
31	Synthesis and characterization of new type molecular wires with tetrathiafulvalene as redox center. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 2707-2713	2-5	11
30	A self-assembled nano optical switch and transistor based on a rigid conjugated polymer, thioacetyl-end-functionalized poly(para-phenylene ethynylene). <i>Journal of the American Chemical Society</i> , 2005 , 127, 2804-5	16.4	75
29	Organic thin film transistors based on stable amorphous ladder tetraazapentacenes semiconductors. <i>Journal of Materials Chemistry</i> , 2005 , 15, 4894		61
28	Kondo effect in quantum dots and molecular devices. <i>Science Bulletin</i> , 2005 , 50, 2132-2139		2

27	The gas sensitivity of a metal-insulator-semiconductor field-effect-transistor based on Langmuir-Blodgett films of a new asymmetrically substituted phthalocyanine. <i>Thin Solid Films</i> , 2000 , 360, 256-260	2.2	51
26	An Organic Field-Effect-Transistor Based on Langmuir-Blodgett Films of a New Asymmetrically Substituted Phthalocyanine, 1,8-Naphthaimide-Tri-Tert-Butylphthalocyanine. <i>Molecular Crystals and Liquid Crystals</i> , 1999 , 337, 511-514		5
25	The application of Langmuir-Blodgett films of a new asymmetrically substituted phthalocyanine, amino-tri-tert-butyl-phthalocyanine, in diodes and in all organic field-effect-transistors. <i>Synthetic Metals</i> , 1999 , 104, 19-26	3.6	33
24	Polycyclic aromatic hydrocarbon-based organic semiconductors: ring-closing synthesis and optoelectronic properties. <i>Journal of Materials Chemistry C</i> ,	7.1	5
23	Recent Advances in Growth of Transition Metal Carbides and Nitrides (MXenes) Crystals. <i>Advanced Functional Materials</i> ,2111357	15.6	7
22	Soft template-assisted self-assembly: a general strategy toward two-dimensional molecular crystals for high-performance organic field-effect transistors. <i>Journal of Materials Chemistry C</i> ,	7.1	1
21	A Centrosymmetric Organic Semiconductor with Donor-Acceptor Interaction for Highly Photostable Organic Transistors. <i>Advanced Functional Materials</i> ,2111705	15.6	0
20	Cocrystal engineering for constructing two-photon absorption materials by controllable intermolecular interactions. <i>Journal of Materials Chemistry C</i> ,	7.1	3
19	Self-Assembly Graphene Arrays on a Liquid Cu-Ag Alloy. <i>Chemistry of Materials</i> ,	9.6	1
18	Heterochelation boosts sodium storage in π -conjugated coordination polymers. <i>Energy and Environmental Science</i> ,	35.4	4
17	Thermally-enhanced photo-electric response of an organic semiconductor with low exciton binding energy for simultaneous and distinguishable detection of light and temperature. <i>Science China Chemistry</i> ,1	7.9	0
16	The prospects of organic semiconductor single crystals for spintronic applications. <i>Journal of Materials Chemistry C</i> ,	7.1	4
15	Low-voltage polymer-dielectric-based organic field-effect transistors and applications. <i>Nano Select</i> ,	3.1	5
14	Few-layered two-dimensional molecular crystals for organic artificial visual memories with record-high photoresponse. <i>Journal of Materials Chemistry C</i> ,	7.1	5
13	The way towards for ultraflat and superclean graphene. <i>Nano Select</i> ,	3.1	1
12	Few-layered organic single-crystalline heterojunctions for high-performance phototransistors. <i>Nano Research</i> ,1	10	5
11	Bimetallic phthalocyanine heterostructure used for highly selective electrocatalytic CO ₂ reduction. <i>Science China Materials</i> ,1	7.1	8
10	Organic Field Effect Transistor-Based Photonic Synapses: Materials, Devices, and Applications. <i>Advanced Functional Materials</i> ,2106151	15.6	14

9	Controllable growth of centimeter-scale 2D crystalline conjugated polymers for photonic synaptic transistors. <i>Journal of Materials Chemistry C</i> ,	7.1	3
8	Reaction Site Exchange in Hierarchical Bimetallic Mn/Ni Catalyst Triggered by Electron Pump Effect to Boost Urea Electrocatalytic Oxidation. <i>Journal of Materials Chemistry A</i> ,	13	3
7	Recent Progress in Polymer-based Infrared Photodetectors. <i>Journal of Materials Chemistry C</i> ,	7.1	0
6	Electrocatalytic Reduction of Nitrogen to Ammonia in Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> ,	8.3	4
5	Selectivity regulation of CO ₂ electroreduction on asymmetric AuAgCu tandem heterostructures. <i>Nano Research</i> ,1	10	0
4	Multi-stage anisotropic etching of two-dimensional heterostructures. <i>Nano Research</i> ,1	10	2
3	Construction and nanotribological study of a glassy covalent organic network on surface. <i>Nano Research</i> ,1	10	
2	Near-Amorphous Conjugated Polymers: An Emerging Class of Semiconductors for Flexible Electronics1112-1123		
1	Fluorinated Dielectrics-Modulated Organic Phototransistors and Flexible Image Sensors. <i>Advanced Optical Materials</i> ,2200614	8.1	2