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List of Publications by Year
in descending order

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457 papers	36,983 citations	2832 97 h-index	5739 167 g-index
467 all docs	467 docs citations	467 times ranked	30299 citing authors

#	Article	IF	Citations
1	Highâ€Efficiency Ionâ€Exchange Doping of Conducting Polymers. Advanced Materials, 2022, 34, e2102988.	11.1	67
2	Diindolocarbazole â€“ achieving multiresonant thermally activated delayed fluorescence without the need for acceptor units. Materials Horizons, 2022, 9, 1068-1080.	6.4	48
3	An S-shaped double helicene showing both multi-resonance thermally activated delayed fluorescence and circularly polarized luminescence. Journal of Materials Chemistry C, 2022, 10, 4861-4870.	2.7	23
4	Multi-resonant thermally activated delayed fluorescence emitters based on tetracoordinate boron-containing PAHs: colour tuning based on the nature of chelates. Chemical Science, 2022, 13, 1665-1674.	3.7	30
5	Vibronic effect and influence of aggregation on the photophysics of graphene quantum dots. Nanoscale, 2022, 14, 3826-3833.	2.8	7
6	Enhancing Thermally Activated Delayed Fluorescence by Fine-Tuning the Dendron Donor Strength. Journal of Physical Chemistry B, 2022, 126, 552-562.	1.2	7
7	Tuning Short Contacts between Polymer Chains To Enhance Charge Transport in Amorphous Donorâ€“Acceptor Polymers. Journal of Physical Chemistry C, 2022, 126, 3118-3126.	1.5	8
8	Thermally activated intra-chain charge transport in high charge-carrier mobility copolymers. Journal of Chemical Physics, 2022, 156, 084115.	1.2	4
9	Structural and Dynamic Disorder, Not Ionic Trapping, Controls Charge Transport in Highly Doped Conducting Polymers. Journal of the American Chemical Society, 2022, 144, 3005-3019.	6.6	45
10	From 2D to 3D: Bridging Self-Assembled Monolayers to a Substrate-Induced Polymorph in a Molecular Semiconductor. Chemistry of Materials, 2022, 34, 2238-2248.	3.2	11
11	Band transport by large FrÃ¶hlich polarons in MXenes. Nature Physics, 2022, 18, 544-550.	6.5	40
12	Vibronic fingerprints in the luminescence of graphene quantum dots at cryogenic temperature. Journal of Chemical Physics, 2022, 156, 104302.	1.2	4
13	Solution Synthesis and Characterization of a Long and Curved Graphene Nanoribbon with Hybrid Coveâ€“Armchairâ€“Gulf Edge Structures. Advanced Science, 2022, 9, e2200708.	5.6	12
14	Dinaphthotetrathienoacenes: Synthesis, Characterization, and Applications in Organic Fieldâ€Effect Transistors. Advanced Science, 2022, 9, e2105674.	5.6	6
15	Cove-Edged Graphene Nanoribbons with Incorporation of Periodic Zigzag-Edge Segments. Journal of the American Chemical Society, 2022, 144, 228-235.	6.6	28
16	Revealing Weak Dimensional Confinement Effects in Excitonic Silver/Bismuth Double Perovskites. Jacs Au, 2022, 2, 136-149.	3.6	12
17	Charge transfer complexes of a benzothienobenzothiophene derivative and their implementation as active layer in solution-processed thin film organic field-effect transistors. Journal of Materials Chemistry C, 2022, 10, 7319-7328.	2.7	11
18	Doping of semicrystalline conjugated polymers: dopants within alkyl chains do it better. Journal of Materials Chemistry C, 2022, 10, 13815-13825.	2.7	8

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19	Excited-State Modulation in Donor-Substituted Multiresonant Thermally Activated Delayed Fluorescence Emitters. ACS Applied Materials & Interfaces, 2022, 14, 22341-22352.	4.0	47
20	Understanding Solution State Conformation and Aggregate Structure of Conjugated Polymers via Small Angle X-ray Scattering. Macromolecules, 2022, 55, 4353-4366.	2.2	22
21	Emission and Absorption Tuning in TADF B,Nâ€Doped Heptacenes: Toward Idealâ€Blue Hyperfluorescent OLEDs. Advanced Optical Materials, 2022, 10, .	3.6	28
22	Modeling of Multiresonant Thermally Activated Delayed Fluorescence Emittersâ”€Properly Accounting for Electron Correlation Is Key!. Journal of Chemical Theory and Computation, 2022, 18, 4903-4918.	2.3	32
23	Electronic Structure and Optical Properties of Mixed Iodine/Bromine Lead Perovskites. To Mix or Not to Mix?. Advanced Optical Materials, 2021, 9, 2001832.	3.6	17
24	Combined healing and doping of transition metal dichalcogenides through molecular functionalization. Journal of Materials Chemistry C, 2021, 9, 16247-16256.	2.7	7
25	Electron spin as fingerprint for charge generation and transport in doped organic semiconductors. Journal of Materials Chemistry C, 2021, 9, 2944-2954.	2.7	15
26	Understanding how Lewis acids dope organic semiconductors: a â€œcomplexâ€•story. Chemical Science, 2021, 12, 7012-7022.	3.7	23
27	Analysis of External and Internal Disorder to Understand Bandâ€Like Transport in nâ€Type Organic Semiconductors. Advanced Materials, 2021, 33, 2007870.	11.1	24
28	Cation Engineering for Resonant Energy Level Alignment in Two-Dimensional Lead Halide Perovskites. Journal of Physical Chemistry Letters, 2021, 12, 2528-2535.	2.1	17
29	Charge transport physics of a unique class of rigid-rod conjugated polymers with fused-ring conjugated units linked by double carbon-carbon bonds. Science Advances, 2021, 7, .	4.7	28
30	Synthesis of Nonplanar Graphene Nanoribbon with Fjord Edges. Journal of the American Chemical Society, 2021, 143, 5654-5658.	6.6	52
31	2D MXeneâ€“Molecular Hybrid Additive for Highâ€Performance Ambipolar Polymer Fieldâ€Effect Transistors and Logic Gates. Advanced Materials, 2021, 33, e2008215.	11.1	26
32	Molecular Doping of 2D Indium Selenide for Ultrahigh Performance and Lowâ€Power Consumption Broadband Photodetectors. Advanced Functional Materials, 2021, 31, 2103353.	7.8	17
33	19â€2: Invited Paper: Design of Multiâ€Resonance Thermally Activated Delayed Fluorescence Materials for Organic Lightâ€Emitting Diodes. Digest of Technical Papers SID International Symposium, 2021, 52, 228-231.	0.1	1
34	Reducing Nonâ€Radiative Voltage Losses by Methylation of Pushâ€“Pull Molecular Donors in Organic Solar Cells. ChemSusChem, 2021, 14, 3622-3631.	3.6	4
35	Hypsochromic Shift of Multipleâ€Resonanceâ€Induced Thermally Activated Delayed Fluorescence by Oxygen Atom Incorporation. Angewandte Chemie - International Edition, 2021, 60, 17910-17914.	7.2	152
36	Hypsochromic Shift of Multipleâ€Resonanceâ€Induced Thermally Activated Delayed Fluorescence by Oxygen Atom Incorporation. Angewandte Chemie, 2021, 133, 18054-18058.	1.6	39

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37	Light-Programmable Logic-in-Memory in 2D Semiconductors Enabled by Supramolecular Functionalization: Photoresponsive Collective Effect of Aligned Molecular Dipoles. ACS Nano, 2021, 15, 13732-13741.	7.3	18
38	Efficient energy transport in an organic semiconductor mediated by transient exciton delocalization. Science Advances, 2021, 7, .	4.7	68
39	Long-Range Interactions Boost Singlet Exciton Diffusion in Nanofibers of Ï€-Extended Polymer Chains. Journal of Physical Chemistry Letters, 2021, 12, 8188-8193.	2.1	19
40	Substitution Effects on a New Pyridylbenzimidazole Acceptor for Thermally Activated Delayed Fluorescence and Their Use in Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2021, 9, 2100846.	3.6	6
41	The role of charge recombination to triplet excitons in organic solar cells. Nature, 2021, 597, 666-671.	13.7	225
42	Spiro-Based Thermally Activated Delayed Fluorescence Emitters with Reduced Nonradiative Decay for High-Quantum-Efficiency, Low-Roll-Off, Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2021, 13, 44628-44640.	4.0	15
43	Measurement of the conformational switching of azobenzenes from the macro- to attomolar scale in self-assembled 2D and 3D nanostructures. Physical Chemistry Chemical Physics, 2021, 23, 11698-11708.	1.3	3
44	Spontaneous exciton dissociation enables spin state interconversion in delayed fluorescence organic semiconductors. Nature Communications, 2021, 12, 6640.	5.8	18
45	Forum on Artificial Intelligence/Machine Learning for Design and Development of Applied Materials. ACS Applied Materials & Interfaces, 2021, 13, 53301-53302.	4.0	5
46	Intramolecular Borylation via Sequential Bâ^'Mes Bond Cleavage for the Divergent Synthesis of B,N,Bâ€Doped Benzo[4]helicenes. Angewandte Chemie - International Edition, 2020, 59, 3156-3160.	7.2	90
47	Improving Processability and Efficiency of Resonant TADF Emitters: A Design Strategy. Advanced Optical Materials, 2020, 8, 1901627.	3.6	182
48	A Curved Graphene Nanoribbon with Multi-Edge Structure and High Intrinsic Charge Carrier Mobility. Journal of the American Chemical Society, 2020, 142, 18293-18298.	6.6	50
49	Design Rules to Maximize Charge-Carrier Mobility along Conjugated Polymer Chains. Journal of Physical Chemistry Letters, 2020, 11, 6519-6525.	2.1	28
50	Overlap-Driven Splitting of Triplet Pairs in Singlet Fission. Journal of the American Chemical Society, 2020, 142, 20040-20047.	6.6	26
51	Fate of Low-Lying Charge-Transfer Excited States in a Donor:Acceptor Blend with a Large Energy Offset. Journal of Physical Chemistry Letters, 2020, 11, 10219-10226.	2.1	9
52	Lanthanide-doped inorganic nanoparticles turn molecular triplet excitons bright. Nature, 2020, 587, 594-599.	13.7	135
53	Triphenylamine/Tetracyanobutadieneâ€Based Ï€â€Conjugated Pushâ€“Pull Molecules Endâ€Capped with Arene Platforms: Synthesis, Photophysics, and Photovoltaic Response. Chemistry - A European Journal, 2020, 26, 16422-16433.	1.7	26
54	Ultrafast and Highly Sensitive Chemically Functionalized Graphene Oxide-Based Humidity Sensors: Harnessing Device Performances via the Supramolecular Approach. ACS Applied Materials & Interfaces, 2020, 12, 44017-44025.	4.0	28

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55	Molecular Quadrupole Moments Promote Groundâ€State Charge Generation in Doped Organic Semiconductors. Advanced Functional Materials, 2020, 30, 2004600.	7.8	15
56	Orientation dependent molecular electrostatics drives efficient charge generation in homojunction organic solar cells. Nature Communications, 2020, 11, 4617.	5.8	60
57	First principles modeling of exciton-polaritons in polydiacetylene chains. Journal of Chemical Physics, 2020, 153, 084103.	1.2	14
58	Molecular Functionalization of Chemically Active Defects in WSe 2 for Enhanced Optoâ€Electronics. Advanced Functional Materials, 2020, 30, 2005045.	7.8	22
59	Binding Mode Multiplicity and Multiscale Chirality in the Supramolecular Assembly of DNA and a Ïâ€Conjugated Polymer. ChemPhysChem, 2020, 21, 2543-2552.	1.0	4
60	Enhanced Adhesion Energy at Oxide/Ag Interfaces for Low-Emissivity Glasses: Theoretical Insight into Doping and Vacancy Effects. ACS Applied Materials & Interfaces, 2020, 12, 40838-40849.	4.0	5
61	Stable, concentrated, biocompatible, and defect-free graphene dispersions with positive charge. Nanoscale, 2020, 12, 12383-12394.	2.8	23
62	Carbeneâ€“Metalâ€“Amide Polycrystalline Materials Feature Blue Shifted Energy yet Unchanged Kinetics of Emission. Chemistry of Materials, 2020, 32, 4743-4753.	3.2	25
63	Interlayer Bonding in Two-Dimensional Materials: The Special Case of SnP₃ and GeP₃. Journal of Physical Chemistry Letters, 2020, 11, 4503-4510.	2.1	24
64	Multiresonant Thermally Activated Delayed Fluorescence Emitters Based on Heteroatomâ€Doped Nanographenes: Recent Advances and Prospects for Organic Lightâ€Emitting Diodes. Advanced Functional Materials, 2020, 30, 1908677.	7.8	385
65	Spatial Charge Separation as the Origin of Anomalous Stark Effect in Fluorous 2D Hybrid Perovskites. Advanced Functional Materials, 2020, 30, 2000228.	7.8	12
66	Electronic and Transport Properties in Defective MoS₂: Impact of Sulfur Vacancies. Journal of Physical Chemistry C, 2020, 124, 15076-15084.	1.5	46
67	Uncovering dark multichromophoric states in Peridininâ€“Chlorophyllâ€“Protein. Journal of the Royal Society Interface, 2020, 17, 20190736.	1.5	4
68	Experimental Observation of Strong Exciton Effects in Graphene Nanoribbons. Nano Letters, 2020, 20, 2993-3002.	4.5	52
69	Organic Cations Protect Methylammonium Lead Iodide Perovskites against Small Exciton-Polaron Formation. Journal of Physical Chemistry Letters, 2020, 11, 2983-2991.	2.1	12
70	A Deep Blue B,N-Doped Heptacene Emitter That Shows Both Thermally Activated Delayed Fluorescence and Delayed Fluorescence by Tripletâ€“Triplet Annihilation. Journal of the American Chemical Society, 2020, 142, 6588-6599.	6.6	189
71	Collective Dipoleâ€Dominated Doping of Monolayer MoS₂: Orientation and Magnitude Control via the Supramolecular Approach. Advanced Functional Materials, 2020, 30, 2002846.	7.8	27
72	Exciton efficiency beyond the spin statistical limit in organic light emitting diodes based on anthracene derivatives. Journal of Materials Chemistry C, 2020, 8, 3773-3783.	2.7	27

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73	Electrostatic Interactions Shape Molecular Organization and Electronic Structure of Organic Semiconductor Blends. Chemistry of Materials, 2020, 32, 1261-1271.	3.2	24
74	In Depth Analysis of Photovoltaic Performance of Chlorophyll Derivative-Based â€œAll Solid-Stateâ€• Dye-Sensitized Solar Cells. Molecules, 2020, 25, 198.	1.7	10
75	On the absence of triplet exciton loss pathways in non-fullerene acceptor based organic solar cells. Materials Horizons, 2020, 7, 1641-1649.	6.4	24
76	Photodoping through local charge carrier accumulation in alloyed hybrid perovskites for highly efficient luminescence. Nature Photonics, 2020, 14, 123-128.	15.6	93
77	Tuning conformation, assembly, and charge transport properties of conjugated polymers by printing flow. Science Advances, 2019, 5, eaaw7757.	4.7	105
78	Lead-Halide Perovskites Meet Donorâ€“Acceptor Charge-Transfer Complexes. Chemistry of Materials, 2019, 31, 6880-6888.	3.2	36
79	Resilience to Conformational Fluctuations Controls Energetic Disorder in Conjugated Polymer Materials: Insights from Atomistic Simulations. Chemistry of Materials, 2019, 31, 6889-6899.	3.2	30
80	Resonance Raman study of the J-type aggregation process of a water soluble perylene bisimide. Physical Chemistry Chemical Physics, 2019, 21, 18300-18309.	1.3	2
81	Stable 6H Organicâ€“Inorganic Hybrid Lead Perovskite and Competitive Formation of 6H and 3C Perovskite Structure with Mixed A Cations. ACS Applied Energy Materials, 2019, 2, 5427-5437.	2.5	15
82	Host dependence of the electron affinity of molecular dopants. Materials Horizons, 2019, 6, 107-114.	6.4	64
83	Photon Upconversion from Near-Infrared to Blue Light with TIPS-Anthracene as an Efficient Tripletâ€“Triplet Annihilator. , 2019, 1, 660-664.		68
84	Singlet exciton fission via an intermolecular charge transfer state in coevaporated pentacene-perfluoropentacene thin films. Journal of Chemical Physics, 2019, 151, 164706.	1.2	22
85	Tuning the Optical and Electrical Properties of Fewâ€Layer Black Phosphorus via Physisorption of Small Solvent Molecules. Small, 2019, 15, e1903432.	5.2	21
86	Functional panchromatic BODIPY dyes with near-infrared absorption: design, synthesis, characterization and use in dye-sensitized solar cells. Beilstein Journal of Organic Chemistry, 2019, 15, 1758-1768.	1.3	8
87	Positive effect of functional side groups on the structure and properties of benzoxazine networks and nanocomposites. Polymer Chemistry, 2019, 10, 5251-5264.	1.9	8
88	Repurposing DNA-binding agents as H-bonded organic semiconductors. Nature Communications, 2019, 10, 4217.	5.8	28
89	Highly emissive excitons with reduced exchange energy in thermally activated delayed fluorescent molecules. Nature Communications, 2019, 10, 597.	5.8	253
90	Multiple Charge Transfer States in Donorâ€“Acceptor Heterojunctions with Large Frontier Orbital Energy Offsets. Chemistry of Materials, 2019, 31, 6808-6817.	3.2	20

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91	Polaron spin dynamics in high-mobility polymeric semiconductors. Nature Physics, 2019, 15, 814-822.	6.5	40
92	Short contacts between chains enhancing luminescence quantum yields and carrier mobilities in conjugated copolymers. Nature Communications, 2019, 10, 2614.	5.8	60
93	Glass Hardness Modification by Means of Ion Implantation: Electronic Doping versus Surface Composition Effect. Advanced Theory and Simulations, 2019, 2, 1900039.	1.3	4
94	Evidence for Strong and Weak Phenyl-C₆₁-Butyric Acid Methyl Ester Photodimer Populations in Organic Solar Cells. Chemistry of Materials, 2019, 31, 6076-6083.	3.2	11
95	Impact of structural anisotropy on electro-mechanical response in crystalline organic semiconductors. Journal of Materials Chemistry C, 2019, 7, 4382-4391.	2.7	10
96	Atomistic simulations of charge transport in photoswitchable organic-graphene hybrids. JPhys Materials, 2019, 2, 035001.	1.8	7
97	Graphene Meets Ionic Liquids: Fermi Level Engineering via Electrostatic Forces. ACS Nano, 2019, 13, 3512-3521.	7.3	22
98	Detection of the Enzymatic Cleavage of DNA through Supramolecular Chiral Induction to a Cationic Polythiophene. ACS Applied Bio Materials, 2019, 2, 2125-2136.	2.3	10
99	Photoluminescence Quenching Probes Spin Conversion and Exciton Dynamics in Thermally Activated Delayed Fluorescence Materials. Advanced Materials, 2019, 31, e1804490.	11.1	31
100	Modelling Coupled Ion Motion in Electrolyte Solutions for Lithiumâ€Sulfur Batteries. Batteries and Supercaps, 2019, 2, 473-481.	2.4	9
101	Comprehensive modelling study of singlet exciton diffusion in donorâ€“acceptor dyads: when small changes in chemical structure matter. Physical Chemistry Chemical Physics, 2019, 21, 25023-25034.	1.3	14
102	Black Phosphorus: Tuning the Optical and Electrical Properties of Fewâ€Layer Black Phosphorus via Physisorption of Small Solvent Molecules (Small 47/2019). Small, 2019, 15, 1970252.	5.2	3
103	Doping of Monolayer Transition-Metal Dichalcogenides via Physisorption of Aromatic Solvent Molecules. Journal of Physical Chemistry Letters, 2019, 10, 540-547.	2.1	52
104	Phonon coherences reveal the polaronic character of excitons in two-dimensional lead halide perovskites. Nature Materials, 2019, 18, 349-356.	13.3	257
105	Robust singlet fission in pentacene thin films with tuned charge transfer interactions. Nature Communications, 2018, 9, 954.	5.8	76
106	Impact of Triplet Excited States on the Openâ€Circuit Voltage of Organic Solar Cells. Advanced Energy Materials, 2018, 8, 1800451.	10.2	36
107	Accurate description of charged excitations in molecular solids from embedded many-body perturbation theory. Physical Review B, 2018, 97, .	1.1	46
108	Rotator side chains trigger cooperative transition for shape and function memory effect in organic semiconductors. Nature Communications, 2018, 9, 278.	5.8	90

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109	How Methylammonium Cations and Chlorine Dopants Heal Defects in Lead Iodide Perovskites. Advanced Energy Materials, 2018, 8, 1702754.	10.2	86
110	Simple donor-acceptor molecule with long exciton diffusion length for organic photovoltaics. Organic Electronics, 2018, 53, 185-190.	1.4	19
111	Carbeneâ€“Metalâ€“Amide Bond Deformation, Rather Than Ligand Rotation, Drives Delayed Fluorescence. Journal of Physical Chemistry Letters, 2018, 9, 1620-1626.	2.1	57
112	Computational Design of Thermally Activated Delayed Fluorescence Materials: The Challenges Ahead. Journal of Physical Chemistry Letters, 2018, 9, 6149-6163.	2.1	121
113	Fashioning Fluorous Organic Spacers for Tunable and Stable Layered Hybrid Perovskites. Chemistry of Materials, 2018, 30, 8211-8220.	3.2	35
114	Deep-Blue Oxadiazole-Containing Thermally Activated Delayed Fluorescence Emitters for Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 33360-33372.	4.0	67
115	20â€¢1: Invited Paper: Towards Deepâ€Blue Materials with Efficient Triplet Harvesting. Digest of Technical Papers SID International Symposium, 2018, 49, 239-242.	0.1	1
116	Hot-Hole Cooling Controls the Initial Ultrafast Relaxation in Methylammonium Lead Iodide Perovskite. Scientific Reports, 2018, 8, 8115.	1.6	32
117	Vibrationally Assisted Intersystem Crossing in Benchmark Thermally Activated Delayed Fluorescence Molecules. Journal of Physical Chemistry Letters, 2018, 9, 4053-4058.	2.1	69
118	Do Carbon Nanotubes Improve the Thermomechanical Properties of Benzoxazine Thermosets?. ACS Applied Materials & Interfaces, 2018, 10, 26669-26677.	4.0	14
119	Collective molecular switching in hybrid superlattices for light-modulated two-dimensional electronics. Nature Communications, 2018, 9, 2661.	5.8	53
120	Tuning the Optoelectronic Properties of Two-Dimensional Hybrid Perovskite Semiconductors with Alkyl Chain Spacers. Journal of Physical Chemistry Letters, 2018, 9, 3416-3424.	2.1	77
121	Influence of Surface Termination on the Energy Level Alignment at the CH₃NH₃PbI₃ Perovskite/C60 Interface. Chemistry of Materials, 2017, 29, 958-968.	3.2	149
122	Engineering Chemically Active Defects in Monolayer MoS₂ Transistors via Ionâ€Beam Irradiation and Their Healing via Vapor Deposition of Alkanethiols. Advanced Materials, 2017, 29, 1606760.	11.1	165
123	Photochemistry of ruthenium(<scp>ii</scp>) complexes based on 1,4,5,8-tetraazaphenanthrene and 2,2â€²-bipyrazine: a comprehensive experimental and theoretical study. Dalton Transactions, 2017, 46, 6623-6633.	1.6	23
124	Role of Edge Engineering in Photoconductivity of Graphene Nanoribbons. Journal of the American Chemical Society, 2017, 139, 7982-7988.	6.6	64
125	Which Oxide for Low-Emissivity Glasses? First-Principles Modeling of Silver Adhesion. ACS Applied Materials & Interfaces, 2017, 9, 18346-18354.	4.0	10
126	Singlet Fission in Rubrene Derivatives: Impact of Molecular Packing. Chemistry of Materials, 2017, 29, 2777-2787.	3.2	56

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127	Ultrafast Non-FÃ¶rster Intramolecular Donorâ€“Acceptor Excitation Energy Transfer. Journal of Physical Chemistry Letters, 2017, 8, 1688-1694.	2.1	20
128	Periodic potentials in hybrid van der Waals heterostructures formed by supramolecular lattices on graphene. Nature Communications, 2017, 8, 14767.	5.8	68
129	Dynamics of the triplet-pair state reveals the likely coexistence of coherent and incoherent singlet fission in crystalline hexacene. Nature Chemistry, 2017, 9, 341-346.	6.6	155
130	Origin of DNA-Induced Circular Dichroism in a Minor-Groove Binder. Journal of the American Chemical Society, 2017, 139, 14947-14953.	6.6	38
131	Measurements of Ambipolar Seebeck Coefficients in Highâ€Mobility Diketopyrrolopyrrole Donorâ€“Acceptor Copolymers. Advanced Electronic Materials, 2017, 3, 1700225.	2.6	26
132	Modeling the formation and thermomechanical properties of polybenzoxazine thermosets. Polymer Chemistry, 2017, 8, 5988-5999.	1.9	30
133	Structural and Spectroscopic Properties of Assemblies of Self-Replicating Peptide Macrocycles. ACS Nano, 2017, 11, 7858-7868.	7.3	36
134	The entangled triplet pair state in acene and heteroacene materials. Nature Communications, 2017, 8, 15953.	5.8	171
135	Formation of Long-Lived Color Centers for Broadband Visible Light Emission in Low-Dimensional Layered Perovskites. Journal of the American Chemical Society, 2017, 139, 18632-18639.	6.6	111
136	Edge Functionalization of Structurally Defined Graphene Nanoribbons for Modulating the Self-Assembled Structures. Journal of the American Chemical Society, 2017, 139, 16454-16457.	6.6	43
137	Exfoliation of Fewâ€Layer Graphene in Volatile Solvents Using Aromatic Perylene Diimide Derivatives as Surfactants. ChemPlusChem, 2017, 82, 358-367.	1.3	18
138	Probing the interaction between 2,2â€²-bithiophene-5-carboxylic acid and TiO2 by photoelectron spectroscopy: A joint experimental and theoretical study. Journal of Chemical Physics, 2017, 147, 244704.	1.2	2
139	Doping LiMnPO4 with Cobalt and Nickel: A First Principle Study. Batteries, 2017, 3, 11.	2.1	23
140	Correlated electron-hole mechanism for molecular doping in organic semiconductors. Physical Review Materials, 2017, 1, .	0.9	42
141	Displacement of polarons by vibrational modes in doped conjugated polymers. Physical Review Materials, 2017, 1, .	0.9	27
142	Nature of the singlet and triplet excitations mediating thermally activated delayed fluorescence. Physical Review Materials, 2017, 1, .	0.9	102
143	Unraveling Unprecedented Charge Carrier Mobility through Structure Property Relationship of Four Isomers of Didodecyl[1]benzothieno[3,2â€b][1]benzothiophene. Advanced Materials, 2016, 28, 7106-7114.	11.1	138
144	Elucidating Batch-to-Batch Variation Caused by Homocoupled Side Products in Solution-Processable Organic Solar Cells. Chemistry of Materials, 2016, 28, 9088-9098.	3.2	25

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145	Electrostatic phenomena in organic semiconductors: fundamentals and implications for photovoltaics. Journal of Physics Condensed Matter, 2016, 28, 433002.	0.7	131
146	Photophysical Properties of Molecular Aggregates â€œ101â€: Materials and Energy, 2016, , 93-130.	2.5	6
147	Tuning the nature and stability of self-assemblies formed by ester benzene 1,3,5-tricarboxamides: the crucial role played by the substituents. Soft Matter, 2016, 12, 7824-7838.	1.2	45
148	Charge Carrier Mobility: Unraveling Unprecedented Charge Carrier Mobility through Structure Property Relationship of Four Isomers of Didodecyl[1]benzothieno[3,2-b][1]benzothiophene (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0	
149	Electronic Structure and Charge Transport in Nanostripped Graphene. Journal of Physical Chemistry C, 2016, 120, 20024-20032.	1.5	10
150	Combining the Many-Body GW Formalism with Classical Polarizable Models: Insights on the Electronic Structure of Molecular Solids. Journal of Physical Chemistry Letters, 2016, 7, 2814-2820.	2.1	70
151	Resonant Energy Transport in Dye-Filled Monolithic Crystals of Zeolite L: Modeling of Inhomogeneity. Journal of Physical Chemistry C, 2016, 120, 27192-27199.	1.5	12
152	Light-enhanced liquid-phase exfoliation and current photoswitching in grapheneâ€“azobenzene composites. Nature Communications, 2016, 7, 11090.	5.8	97
153	Increased luminescence efficiency by synergistic exploitation of lipo/hydrophilic co-solvency and supramolecular design. Journal of Materials Chemistry C, 2016, 4, 10893-10902.	2.7	3
154	Optical properties of regioregular poly(3-hexylthiophene) aggregates from fully atomistic investigations. CrystEngComm, 2016, 18, 7297-7304.	1.3	8
155	Liquid-Phase Exfoliation of Graphite into Single- and Few-Layer Graphene with Î±-Functionalized Alkanes. Journal of Physical Chemistry Letters, 2016, 7, 2714-2721.	2.1	73
156	Fused Dibenzo[a,m]rubicene: A New Bowl-Shaped Subunit of C₇₀ Containing Two Pentagons. Journal of the American Chemical Society, 2016, 138, 8364-8367.	6.6	66
157	Development of a ReaxFF potential for Ag/Zn/O and application to Ag deposition on ZnO. Surface Science, 2016, 645, 67-73.	0.8	35
158	A Blue-Light-Emitting BODIPY Probe for Lipid Membranes. Langmuir, 2016, 32, 3495-3505.	1.6	34
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