

Jihua Chen

List of Publications by Year in descending order

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159
papers

9,335
citations

36203

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165
all docs

165
docs citations

165
times ranked

13863
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-high mobility transparent organic thin film transistors grown by an off-centre spin-coating method. <i>Nature Communications</i> , 2014, 5, 3005.	5.8	1,155
2	Hierarchical Nanomorphologies Promote Exciton Dissociation in Polymer/Fullerene Bulk Heterojunction Solar Cells. <i>Nano Letters</i> , 2011, 11, 3707-3713.	4.5	415
3	Studies on Supercapacitor Electrode Material from Activated Lignin-Derived Mesoporous Carbon. <i>Langmuir</i> , 2014, 30, 900-910.	1.6	342
4	Impact of Carbon Nanotube Exposure to Seeds of Valuable Crops. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7965-7973.	4.0	336
5	Controlled Synthesis of Mesoporous Carbon Nanostructures via a "Silica-Assisted" Strategy. <i>Nano Letters</i> , 2013, 13, 207-212.	4.5	248
6	Seawater Uranium Sorbents: Preparation from a Mesoporous Copolymer Initiator by Atom Transfer Radical Polymerization. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13458-13462.	7.2	222
7	Template-Free Synthesis of Hierarchical Porous Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2013, 135, 9572-9575.	6.6	200
8	Interaction of carbon nanohorns with plants: Uptake and biological effects. <i>Carbon</i> , 2015, 81, 607-619.	5.4	196
9	Porous Liquids: A Promising Class of Media for Gas Separation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 932-936.	7.2	191
10	Noncompetitive and Competitive Adsorption of Heavy Metals in Sulfur-Functionalized Ordered Mesoporous Carbon. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34132-34142.	4.0	148
11	Polymeric molecular sieve membranes via in situ cross-linking of non-porous polymer membrane templates. <i>Nature Communications</i> , 2014, 5, 3705.	5.8	143
12	Universal Formation of Compositionally Graded Bulk Heterojunction for Efficiency Enhancement in Organic Photovoltaics. <i>Advanced Materials</i> , 2014, 26, 3068-3075.	11.1	139
13	Photoresponsive Liquid Crystalline Epoxy Networks with Shape Memory Behavior and Dynamic Ester Bonds. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15750-15757.	4.0	123
14	High-Performance Field-Effect Transistors Based on Polystyrene- <i>b</i> -Poly(3-hexylthiophene) Diblock Copolymers. <i>ACS Nano</i> , 2011, 5, 3559-3567.	7.3	122
15	Porous TiO ₂ /C Nanocomposite Shells As a High-Performance Anode Material for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6478-6483.	4.0	119
16	CO ₂ capture in lignin-derived and nitrogen-doped hierarchical porous carbons. <i>Carbon</i> , 2017, 121, 257-266.	5.4	119
17	Superior Conductive Solid-like Electrolytes: Nanoconfining Liquids within the Hollow Structures. <i>Nano Letters</i> , 2015, 15, 3398-3402.	4.5	115
18	Thermally Induced Solid-State Phase Transition of Bis(triisopropylsilylethynyl) Pentacene Crystals. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16397-16403.	1.2	113

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19	PS- <i>b</i> -P3HT Copolymers as P3HT/PCBM Interfacial Compatibilizers for High Efficiency Photovoltaics. <i>Advanced Materials</i> , 2011, 23, 5529-5535.	11.1	110
20	Grain-boundary-limited charge transport in solution-processed 6,13 bis(tri-isopropylsilylethynyl) pentacene thin film transistors. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	106
21	The isotopic effects of deuteration on optoelectronic properties of conducting polymers. <i>Nature Communications</i> , 2014, 5, 3180.	5.8	103
22	Controlled solution deposition and systematic study of charge-transport anisotropy in single crystal and single-crystal textured TIPS pentacene thin films. <i>Organic Electronics</i> , 2009, 10, 696-703.	1.4	102
23	The influence of side chains on the structures and properties of functionalized pentacenes. <i>Journal of Materials Chemistry</i> , 2008, 18, 1961.	6.7	92
24	Cooperative Island Growth of Large-Area Single-Crystal Graphene on Copper Using Chemical Vapor Deposition. <i>ACS Nano</i> , 2014, 8, 5657-5669.	7.3	91
25	Morphology and molecular orientation of thin-film bis(triisopropylsilylethynyl) pentacene. <i>Journal of Materials Research</i> , 2007, 22, 1701-1709.	1.2	89
26	A New Class of Renewable Thermoplastics with Extraordinary Performance from Nanostructured Lignin- <i>E</i> lastomers. <i>Advanced Functional Materials</i> , 2016, 26, 2677-2685.	7.8	87
27	Polymorphism in the 1:1 Charge-Transfer Complex DBTTF-TCNQ and Its Effects on Optical and Electronic Properties. <i>Advanced Electronic Materials</i> , 2016, 2, 1600203.	2.6	83
28	Enhanced Performance Consistency in Nanoparticle/TIPS Pentacene-Based Organic Thin Film Transistors. <i>Advanced Functional Materials</i> , 2011, 21, 3617-3623.	7.8	81
29	Comparative study of plant responses to carbon-based nanomaterials with different morphologies. <i>Nanotechnology</i> , 2016, 27, 265102.	1.3	80
30	Conjugated Polymer-Mediated Polymorphism of a High Performance, Small-Molecule Organic Semiconductor with Tuned Intermolecular Interactions, Enhanced Long-Range Order, and Charge Transport. <i>Chemistry of Materials</i> , 2013, 25, 4378-4386.	3.2	77
31	Lithium malonateborate additives enabled stable cycling of 5 V lithium metal and lithium ion batteries. <i>Nano Energy</i> , 2017, 40, 9-19.	8.2	72
32	Interplay of nanoscale domain purity and size on charge transport and recombination dynamics in polymer solar cells. <i>Nanoscale</i> , 2014, 6, 1011-1019.	2.8	69
33	Facile and scalable fabrication of polymer-ceramic composite electrolyte with high ceramic loadings. <i>Journal of Power Sources</i> , 2018, 390, 153-164.	4.0	68
34	Switching phase separation mode by varying the hydrophobicity of polymer additives in solution-processed semiconducting small-molecule/polymer blends. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	65
35	Charged Metallopolymers as Universal Precursors for Versatile Cobalt Materials. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13387-13391.	7.2	65
36	Encapsulation of large dye molecules in hierarchically superstructured metal-organic frameworks. <i>Dalton Transactions</i> , 2014, 43, 17893-17898.	1.6	62

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37	Air-flow navigated crystal growth for TIPS pentacene-based organic thin-film transistors. <i>Organic Electronics</i> , 2012, 13, 1819-1826.	1.4	61
38	Oxygen-Functionalized Few-Layer Graphene Sheets as Active Catalysts for Oxidative Dehydrogenation Reactions. <i>ChemSusChem</i> , 2013, 6, 840-846.	3.6	61
39	Improving performance of TIPS pentacene-based organic thin film transistors with small-molecule additives. <i>Organic Electronics</i> , 2014, 15, 150-155.	1.4	60
40	Microstructural Control of Charge Transport in Organic Blend Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2014, 24, 5969-5976.	7.8	60
41	Guided crystallization of P3HT in ternary blend solar cell based on P3HT:PCPDTBT:PCBM. <i>Energy and Environmental Science</i> , 2014, 7, 3782-3790.	15.6	60
42	Solvent-type-dependent polymorphism and charge transport in a long fused-ring organic semiconductor. <i>Nanoscale</i> , 2014, 6, 449-456.	2.8	59
43	Thermal and mechanical cracking in bis(triisopropylsilylethynyl) pentacene thin films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 3631-3641.	2.4	58
44	A POM-organic framework anode for Li-ion battery. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22989-22995.	5.2	58
45	A Poly(acrylonitrile)-Functionalized Porous Aromatic Framework Synthesized by Atom-Transfer Radical Polymerization for the Extraction of Uranium from Seawater. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 4125-4129.	1.8	58
46	Aromatic Polyimide/Graphene Composite Organic Cathodes for Fast and Sustainable Lithium-Ion Batteries. <i>ChemSusChem</i> , 2018, 11, 763-772.	3.6	58
47	Correlating high power conversion efficiency of PTB7:PC ₇₁ BM inverted organic solar cells with nanoscale structures. <i>Nanoscale</i> , 2015, 7, 15576-15583.	2.8	54
48	Hierarchically Superstructured Prussian Blue Analogues: Spontaneous Assembly Synthesis and Applications as Pseudocapacitive Materials. <i>ChemSusChem</i> , 2015, 8, 177-183.	3.6	54
49	Solution-processed polycrystalline copper tetrabenzoporphyrin thin-film transistors. <i>Synthetic Metals</i> , 2007, 157, 190-197.	2.1	53
50	Ternary behavior and systematic nanoscale manipulation of domain structures in P3HT/PCBM/P3HT-b-PEO films. <i>Journal of Materials Chemistry</i> , 2012, 22, 13013.	6.7	53
51	Crystallization-Driven Thermoreversible Gelation of Coil-Crystalline Cyclic and Linear Diblock Copolypeptoids. <i>ACS Macro Letters</i> , 2013, 2, 436-440.	2.3	53
52	Adsorptive separation of CO ₂ in sulfur-doped nanoporous carbons: Selectivity and breakthrough simulation. <i>Microporous and Mesoporous Materials</i> , 2017, 241, 226-237.	2.2	53
53	Furan substituted diketopyrrolopyrrole and thienylenevinylene based low band gap copolymer for high mobility organic thin film transistors. <i>Journal of Materials Chemistry</i> , 2012, 22, 17284.	6.7	52
54	Influence of hydrogen peroxide in enhancing photocatalytic activity of carbon nitride under visible light: An insight into reaction intermediates. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4927-4936.	3.3	52

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55	High resolution electron microscopy of ordered polymers and organic molecular crystals: Recent developments and future possibilities. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 1749-1778.	2.4	51
56	Solvent quality-induced nucleation and growth of parallelepiped nanorods in dilute poly(3-hexylthiophene) (P3HT) solution and the impact on the crystalline morphology of solution-cast thin film. <i>CrystEngComm</i> , 2013, 15, 1114-1124.	1.3	51
57	Solvent-Free Synthesis of CuO/HKUST-1 Composite and Its Photocatalytic Application. <i>Inorganic Chemistry</i> , 2019, 58, 8332-8338.	1.9	51
58	Enhancing low-temperature activity and durability of Pd-based diesel oxidation catalysts using ZrO ₂ supports. <i>Applied Catalysis B: Environmental</i> , 2016, 187, 181-194.	10.8	50
59	Enhanced charge transport and photovoltaic performance of PBDTTT-C-T/PC70BM solar cells via UV-ozone treatment. <i>Nanoscale</i> , 2013, 5, 10007.	2.8	49
60	The impact of controlled solvent exposure on the morphology, structure and function of bulk heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2012, 107, 112-124.	3.0	48
61	Poly(3-hexylthiophene) Molecular Bottlebrushes via Ring-Opening Metathesis Polymerization: Macromolecular Architecture Enhanced Aggregation. <i>ACS Macro Letters</i> , 2013, 2, 761-765.	2.3	48
62	Solution-grown small-molecule organic semiconductor with enhanced crystal alignment and areal coverage for organic thin film transistors. <i>AIP Advances</i> , 2015, 5, .	0.6	48
63	Direct growth of aligned graphitic nanoribbons from a DNA template by chemical vapour deposition. <i>Nature Communications</i> , 2013, 4, 2402.	5.8	47
64	Multi-wall carbon nanotube@zeolite imidazolate framework composite from a nanoscale zinc oxide precursor. <i>Microporous and Mesoporous Materials</i> , 2014, 198, 139-143.	2.2	46
65	Differential Detection of Tumor Cells Using a Combination of Cell Rolling, Multivalent Binding, and Multiple Antibodies. <i>Analytical Chemistry</i> , 2014, 86, 6088-6094.	3.2	44
66	Poly(ethylene oxide)-Assisted Macromolecular Self-Assembly of Lignin in ABS Matrix for Sustainable Composite Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 3070-3076.	3.2	43
67	Review Article: Crystal alignment for high performance organic electronics devices. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2019, 37, 040801.	0.9	42
68	Coating SiO ₂ Support with TiO ₂ or ZrO ₂ and Effects on Structure and CO Oxidation Performance of Pt Catalysts. <i>Catalysts</i> , 2013, 3, 88-103.	1.6	41
69	Critical role of domain crystallinity, domain purity and domain interface sharpness for reduced bimolecular recombination in polymer solar cells. <i>Nano Energy</i> , 2015, 12, 457-467.	8.2	41
70	Nanoporous Boron Nitride as Exceptionally Thermally Stable Adsorbent: Role in Efficient Separation of Light Hydrocarbons. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14506-14517.	4.0	41
71	Interface engineering to enhance charge injection and transport in solution-deposited organic transistors. <i>Organic Electronics</i> , 2017, 50, 100-105.	1.4	41
72	Air-stable solution-processed n-channel organic thin film transistors with polymer-enhanced morphology. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	40

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73	Polymer additive controlled morphology for high performance organic thin film transistors. <i>Soft Matter</i> , 2019, 15, 5790-5803.	1.2	40
74	Understanding How Processing Additives Tune the Nanoscale Morphology of High Efficiency Organic Photovoltaic Blends: From Casting Solution to Spin-Cast Thin Film. <i>Advanced Functional Materials</i> , 2014, 24, 6647-6657.	7.8	39
75	Conjugated Polymer Controlled Morphology and Charge Transport of Small-Molecule Organic Semiconductors. <i>Scientific Reports</i> , 2020, 10, 4344.	1.6	39
76	In Situ Formation of Pyridyl-Functionalized Poly(3-hexylthiophene)s via Quenching of the Grignard Metathesis Polymerization: Toward Ligands for Semiconductor Quantum Dots. <i>Chemistry of Materials</i> , 2012, 24, 4459-4467.	3.2	38
77	An approach towards tailoring interfacial structures and properties of multiphase renewable thermoplastics from lignin-nitrile rubber. <i>Green Chemistry</i> , 2016, 18, 5423-5437.	4.6	38
78	Pressure-Induced Diels-Alder Reactions in C ₆ H ₆ -C ₆ F ₆ Cocrystal towards Graphane Structure. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1468-1473.	7.2	36
79	Adsorptive recovery of neodymium and dysprosium in phosphorous functionalized nanoporous carbon. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4684-4692.	3.3	34
80	Correlation of polymeric compatibilizer structure to its impact on the morphology and function of P3HT:PCBM bulk heterojunctions. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5309.	5.2	33
81	Nanostructured Metal/Carbon Composites from Heterobimetallic Block Copolymers with Controlled Magnetic Properties. <i>Chemistry of Materials</i> , 2014, 26, 3185-3190.	3.2	32
82	Simultaneous spin-coating and solvent annealing: manipulating the active layer morphology to a power conversion efficiency of 9.6% in polymer solar cells. <i>Materials Horizons</i> , 2015, 2, 592-597.	6.4	32
83	Biocompatibility of Soft-Templated Mesoporous Carbons. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 15068-15077.	4.0	31
84	Novel cross-linked polystyrenes with large space network as tailor-made catalyst supports for sustainable media. <i>European Polymer Journal</i> , 2015, 73, 391-401.	2.6	31
85	Injectable and Biodegradable Nanohybrid Polymers with Simultaneously Enhanced Stiffness and Toughness for Bone Repair. <i>Advanced Functional Materials</i> , 2012, 22, 3181-3190.	7.8	30
86	Synthesis and Characterization of Comb and Centipede Multigraft Copolymers P _n BA-g-PS with High Molecular Weight Using Miniemulsion Polymerization. <i>Macromolecules</i> , 2014, 47, 7284-7295.	2.2	30
87	Ionic liquid-mediated synthesis of meso-scale porous lanthanum-transition-metal perovskites with high CO oxidation performance. <i>Chemical Communications</i> , 2015, 51, 5910-5913.	2.2	30
88	Nanoporous polysulfone membranes via a degradable block copolymer precursor for redox flow batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4288-4295.	5.2	30
89	Characterization of Sulfonated Diels-Alder Poly(phenylene) Membranes for Electrolyte Separators in Vanadium Redox Flow Batteries. <i>Journal of the Electrochemical Society</i> , 2014, 161, A1860-A1868.	1.3	29
90	Sustainable Energy Storage Materials from Lignin-Derived Porous Carbon Film. <i>Energy Technology</i> , 2017, 5, 1927-1935.	1.8	29

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91	A study on the cytotoxicity of carbon-based materials. <i>Materials Science and Engineering C</i> , 2016, 68, 101-108.	3.8	28
92	High-performance organic field-effect transistors with dielectric and active layers printed sequentially by ultrasonic spraying. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4384.	2.7	27
93	Effect of Macromolecular Architecture on the Morphology of Polystyrene- <i>g</i> -Polyisoprene Block Copolymers. <i>Macromolecules</i> , 2013, 46, 2023-2031.	2.2	27
94	Enhancement in Organic Photovoltaic Efficiency through the Synergistic Interplay of Molecular Donor Hydrogen Bonding and π - π Stacking. <i>Advanced Functional Materials</i> , 2015, 25, 5166-5177.	7.8	27
95	Ultrahigh surface area carbon from carbonated beverages: Combining self-templating process and in situ activation. <i>Carbon</i> , 2015, 93, 39-47.	5.4	27
96	Mechanical properties of polyurethane/montmorillonite nanocomposite prepared by melt mixing. <i>Journal of Applied Polymer Science</i> , 2007, 106, 712-721.	1.3	26
97	Synthesis of nanowires via helium and neon focused ion beam induced deposition with the gas field ion microscope. <i>Nanotechnology</i> , 2013, 24, 175302.	1.3	25
98	Lithium Perchlorate-Doped Poly(styrene- <i>b</i> -ethylene oxide- <i>b</i> -styrene) Lamellae-Forming Triblock Copolymer as High Capacitance, Smooth, Thin Film Dielectric. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3903-3908.	1.5	24
99	Reciprocated suppression of polymer crystallization toward improved solid polymer electrolytes: Higher ion conductivity and tunable mechanical properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1450-1457.	2.4	24
100	Synthesis and Characterization of Graft Copolymers Poly(isoprene- <i>g</i> -styrene) of High Molecular Weight by a Combination of Anionic Polymerization and Emulsion Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 1292-1300.	1.8	24
101	Adsorption of CO ₂ , CH ₄ , and N ₂ in Micro-Mesoporous Nanographene: A Comparative Study. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 2636-2645.	1.0	24
102	Assembly and organization of poly(3-hexylthiophene) brushes and their potential use as novel anode buffer layers for organic photovoltaics. <i>Nanoscale</i> , 2013, 5, 9357.	2.8	23
103	Synthesis of Nitrogen and Sulfur Codoped Nanoporous Carbons from Algae: Role in CO ₂ Separation. <i>ACS Omega</i> , 2018, 3, 18592-18602.	1.6	23
104	Ultra-low misorientation angle in small-molecule semiconductor/polyethylene oxide blends for organic thin film transistors. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	23
105	Controlled Assembly of Lignocellulosic Biomass Components and Properties of Reformed Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8044-8052.	3.2	22
106	Nanomorphology influence on the light conversion mechanisms in highly efficient diketopyrrolopyrrole based organic solar cells. <i>Organic Electronics</i> , 2013, 14, 326-334.	1.4	21
107	Synthesis, characterization and catalytic activity of novel large network polystyrene-immobilized organic bases. <i>RSC Advances</i> , 2015, 5, 107200-107208.	1.7	20
108	Improved performance by morphology control via fullerenes in PBDDT-TBT-alkoBT based organic solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15307-15313.	5.2	20

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109	Galvanic synthesis of bi-modal porous metal nanostructures using aluminum nanoparticle templates. <i>Materials Letters</i> , 2012, 88, 143-147.	1.3	19
110	Distinguishing the Importance of Fullerene Phase Separation from Polymer Ordering in the Performance of Low Band Gap Polymer:Fullerene Heterojunctions. <i>Advanced Functional Materials</i> , 2014, 24, 7284-7290.	7.8	19
111	Microphase separation in thin films of lamellar forming polydisperse di-block copolymers. <i>RSC Advances</i> , 2015, 5, 21336-21348.	1.7	19
112	Reversible Conversion of Dominant Polarity in Ambipolar Polymer/Graphene Oxide Hybrids. <i>Scientific Reports</i> , 2015, 5, 9446.	1.6	19
113	Effect of Polymer Molecular Weight on Morphology and Charge Transport of Small-Molecular Organic Semiconductors. <i>Electronic Materials Letters</i> , 2020, 16, 441-450.	1.0	19
114	Magnetic alignment of SWCNTs decorated with Fe ₃ O ₄ to enhance mechanical properties of SC-15 epoxy. <i>AIP Advances</i> , 2013, 3, .	0.6	18
115	Addressable morphology control of silica structures by manipulating the reagent addition time. <i>RSC Advances</i> , 2014, 4, 2291-2294.	1.7	18
116	Controlled release of alendronate from nitrogen-doped mesoporous carbon. <i>Microporous and Mesoporous Materials</i> , 2016, 229, 8-13.	2.2	18
117	Nanoporous poly(3-hexylthiophene) thin film structures from self-organization of a tunable molecular bottlebrush scaffold. <i>Nanoscale</i> , 2017, 9, 7071-7080.	2.8	18
118	Phase segregation mechanisms of small molecule-polymer blends unraveled by varying polymer chain architecture. <i>SmartMat</i> , 2021, 2, 367-377.	6.4	18
119	A facile and novel route to improve TIPS pentacene based organic thin film transistor performance with elastomer. <i>Synthetic Metals</i> , 2020, 262, 116337.	2.1	17
120	Translational diffusion of water inside hydrophobic carbon micropores studied by neutron spectroscopy and molecular dynamics simulation. <i>Physical Review E</i> , 2015, 91, 022124.	0.8	16
121	Controlling interfacial properties in supported metal oxide catalysts through metal-organic framework templating. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13565-13572.	5.2	15
122	Printability study of self-supporting graphene oxide-laponite nanocomposites for 3D printing applications. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 114, 343-355.	1.5	15
123	Operando Analysis of Gas Evolution in TiNb ₂ O ₇ (TNO)-Based Anodes for Advanced High-Energy Lithium-Ion Batteries under Fast Charging. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55145-55155.	4.0	15
124	Polymer-Grafted Porous Silica Nanoparticles with Enhanced CO ₂ Permeability and Mechanical Performance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27411-27418.	4.0	14
125	Nanostructure enhanced ionic transport in fullerene reinforced solid polymer electrolytes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8266-8275.	1.3	13
126	Morphological Evolution and Its Impacts on Performance of Polymer Solar Cells. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 1284-1290.	1.6	13

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127	Assembly and Characterization of Well-Defined High-Molecular-Weight Poly(<i>p</i> -phenylene) Polymer Brushes. <i>Chemistry of Materials</i> , 2011, 23, 4367-4374.	3.2	12
128	Micro-/mesoporous carbons for controlled release of antipyrine and indomethacin. <i>RSC Advances</i> , 2015, 5, 23699-23707.	1.7	12
129	Synthesis of very small diameter silica nanofibers using sound waves. <i>Chemical Communications</i> , 2014, 50, 7277-7279.	2.2	10
130	Amending the Structure of Renewable Carbon from Biorefinery Waste-Streams for Energy Storage Applications. <i>Scientific Reports</i> , 2018, 8, 8355.	1.6	10
131	An Ionomeric Renewable Thermoplastic from Lignin-Reinforced Rubber. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900059.	2.0	10
132	Well-Defined Polyisoprene- <i>b</i> -Poly(acrylic acid)/Polystyrene- <i>b</i> -Polyisoprene- <i>b</i> -Poly(acrylic acid) Block Copolymers: Synthesis and Their Self-Assembled Hierarchical Structures in Aqueous Media. <i>ACS Macro Letters</i> , 2012, 1, 743-747.	2.3	9
133	Ultrastructure and Enzymatic Hydrolysis of Deuterated Switchgrass. <i>Scientific Reports</i> , 2018, 8, 13226.	1.6	9
134	Crystal growth of small-molecule organic semiconductors with nucleation additive. <i>Current Applied Physics</i> , 2021, 21, 107-115.	1.1	9
135	Unraveling the Fundamental Mechanisms of Solvent-Additive-Induced Optimization of Power Conversion Efficiencies in Organic Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20220-20229.	4.0	8
136	Hierarchically Superstructured Metal Sulfides: Facile Perturbation-Assisted Nanofusion Synthesis and Visible Light Photocatalytic Characterizations. <i>ChemNanoMat</i> , 2016, 2, 1104-1110.	1.5	8
137	Same solution synthesis and self-assembly of porous silica nanoparticles into microspheres. <i>Applied Surface Science</i> , 2019, 467-468, 634-639.	3.1	8
138	Advanced Electron Microscopy of Nanophased Synthetic Polymers and Soft Complexes for Energy and Medicine Applications. <i>Nanomaterials</i> , 2021, 11, 2405.	1.9	8
139	Polyferrocenylsilane Semicrystalline Polymer Additive for Solution-Processed <i>p</i> -Channel Organic Thin Film Transistors. <i>Polymers</i> , 2021, 13, 402.	2.0	7
140	Tuning charge transport in organic semiconductors with nanoparticles and hexamethyldisilazane. <i>Journal of Nanoparticle Research</i> , 2021, 23, 1.	0.8	7
141	Synthesis of Poly(ionic Liquid)- <i>block</i> -poly(methyl Methacrylate) Copolymer-Grafted Silica Particle Brushes with Enhanced CO ₂ Permeability and Mechanical Performance. <i>Langmuir</i> , 2021, 37, 10875-10881.	1.6	7
142	Microstructure and mechanical properties of polyurethane/nylon/montmorillonite nanocomposite. <i>Fibers and Polymers</i> , 2007, 8, 43-49.	1.1	6
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