Jihua Chen

List of Publications by Year
in descending order

159 papers	9,335 citations	36303 51 h-index	43889 91 g-index
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. Nature Communications, 2014, 5, 3005.	12.8	1,155
2	Hierarchical Nanomorphologies Promote Exciton Dissociation in Polymer/Fullerene Bulk Heterojunction Solar Cells. Nano Letters, 2011, 11, 3707-3713.	9.1	415
3	Studies on Supercapacitor Electrode Material from Activated Lignin-Derived Mesoporous Carbon. Langmuir, 2014, 30, 900-910.	3.5	342
4	Impact of Carbon Nanotube Exposure to Seeds of Valuable Crops. ACS Applied Materials & Interfaces, 2013, 5, 7965-7973.	8.0	336
5	Controlled Synthesis of Mesoporous Carbon Nanostructures via a â€œSilica-Assistedâ€•Strategy. Nano Letters, 2013, 13, 207-212.	9.1	248
6	Seawater Uranium Sorbents: Preparation from a Mesoporous Copolymer Initiator by Atomâ€Transfer Radical Polymerization. Angewandte Chemie - International Edition, 2013, 52, 13458-13462.	13.8	222
7	Template-Free Synthesis of Hierarchical Porous Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2013, 135, 9572-9575.	13.7	200
8	Interaction of carbon nanohorns with plants: Uptake and biological effects. Carbon, 2015, 81, 607-619.	10.3	196
9	Porous Liquids: A Promising Class of Media for Gas Separation. Angewandte Chemie - International Edition, 2015, 54, 932-936.	13.8	191
10	Noncompetitive and Competitive Adsorption of Heavy Metals in Sulfur-Functionalized Ordered Mesoporous Carbon. ACS Applied Materials & Interfaces, 2016, 8, 34132-34142.	8.0	148
11	Polymeric molecular sieve membranes via in situ cross-linking of non-porous polymer membrane templates. Nature Communications, 2014, 5, 3705.	12.8	143
12	Universal Formation of Compositionally Graded Bulk Heterojunction for Efficiency Enhancement in Organic Photovoltaics. Advanced Materials, 2014, 26, 3068-3075.	21.0	139
13	Photoresponsive Liquid Crystalline Epoxy Networks with Shape Memory Behavior and Dynamic Ester Bonds. ACS Applied Materials & Interfaces, 2016, 8, 15750-15757.	8.0	123
14	High-Performance Field-Effect Transistors Based on Polystyrene-<i>b</i>-Poly(3-hexylthiophene) Diblock Copolymers. ACS Nano, 2011, 5, 3559-3567.	14.6	122
15	Porous TiO₂/C Nanocomposite Shells As a High-Performance Anode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 6478-6483.	8.0	119
16	CO2 capture in lignin-derived and nitrogen-doped hierarchical porous carbons. Carbon, 2017, 121, 257-266.	10.3	119
17	Superior Conductive Solid-like Electrolytes: Nanoconfining Liquids within the Hollow Structures. Nano Letters, 2015, 15, 3398-3402.	9.1	115
18	Thermally Induced Solid-State Phase Transition of Bis(triisopropylsilylethynyl) Pentacene Crystals. Journal of Physical Chemistry B, 2006, 110, 16397-16403.	2.6	113

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19	PSâ€bâ€P3HT Copolymers as P3HT/PCBM Interfacial Compatibilizers for High Efficiency Photovoltaics. Advanced Materials, 2011, 23, 5529-5535.	21.0	110
20	Grain-boundary-limited charge transport in solution-processed 6,13 bis(tri-isopropylsilylethynyl) pentacene thin film transistors. Journal of Applied Physics, 2008, 103, .	2.5	106
21	The isotopic effects of deuteration on optoelectronic properties of conducting polymers. Nature Communications, 2014, 5, 3180.	12.8	103
22	Controlled solution deposition and systematic study of charge-transport anisotropy in single crystal and single-crystal textured TIPS pentacene thin films. Organic Electronics, 2009, 10, 696-703.	2.6	102
23	The influence of side chains on the structures and properties of functionalized pentacenes. Journal of Materials Chemistry, 2008, 18, 1961.	6.7	92
24	Cooperative Island Growth of Large-Area Single-Crystal Graphene on Copper Using Chemical Vapor Deposition. ACS Nano, 2014, 8, 5657-5669.	14.6	91
25	Morphology and molecular orientation of thin-film bis(triisopropylsilylethynyl) pentacene. Journal of Materials Research, 2007, 22, 1701-1709.	2.6	89
26	A New Class of Renewable Thermoplastics with Extraordinary Performance from Nanostructured Ligninâ€Elastomers. Advanced Functional Materials, 2016, 26, 2677-2685.	14.9	87
27	Polymorphism in the 1:1 Chargeâ€Transfer Complex DBTTFâ€“TCNQ and Its Effects on Optical and Electronic Properties. Advanced Electronic Materials, 2016, 2, 1600203.	5.1	83
28	Enhanced Performance Consistency in Nanoparticle/TIPS Pentaceneâ€Based Organic Thin Film Transistors. Advanced Functional Materials, 2011, 21, 3617-3623.	14.9	81
29	Comparative study of plant responses to carbon-based nanomaterials with different morphologies. Nanotechnology, 2016, 27, 265102.	2.6	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. Chemistry of Materials, 2013, 25, 4378-4386.	6.7	77
31	Lithium malonatoborate additives enabled stable cycling of 5 V lithium metal and lithium ion batteries. Nano Energy, 2017, 40, 9-19.	16.0	72
32	Interplay of nanoscale domain purity and size on charge transport and recombination dynamics in polymer solar cells. Nanoscale, 2014, 6, 1011-1019.	5.6	69
33	Facile and scalable fabrication of polymer-ceramic composite electrolyte with high ceramic loadings. Journal of Power Sources, 2018, 390, 153-164.	7.8	68
34	Switching phase separation mode by varying the hydrophobicity of polymer additives in solution-processed semiconducting small-molecule/polymer blends. Applied Physics Letters, 2013, 103, .	3.3	65
35	Charged Metallopolymers as Universal Precursors for Versatile Cobalt Materials. Angewandte Chemie - International Edition, 2013, 52, 13387-13391.	13.8	65
36	Encapsulation of large dye molecules in hierarchically superstructured metalâ€“organic frameworks. Dalton Transactions, 2014, 43, 17893-17898.	3.3	62

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37	Air-flow navigated crystal growth for TIPS pentacene-based organic thin-film transistors. Organic Electronics, 2012, 13, 1819-1826.	2.6	61
38	Oxygenâ€Functionalized Fewâ€Layer Graphene Sheets as Active Catalysts for Oxidative Dehydrogenation Reactions. ChemSusChem, 2013, 6, 840-846.	6.8	61
39	Improving performance of TIPS pentacene-based organic thin film transistors with small-molecule additives. Organic Electronics, 2014, 15, 150-155.	2.6	60
40	Microstructural Control of Charge Transport in Organic Blend Thinâ€Film Transistors. Advanced Functional Materials, 2014, 24, 5969-5976.	14.9	60
41	Guided crystallization of P3HT in ternary blend solar cell based on P3HT:PCPDTBT:PCBM. Energy and Environmental Science, 2014, 7, 3782-3790.	30.8	60
42	Solvent-type-dependent polymorphism and charge transport in a long fused-ring organic semiconductor. Nanoscale, 2014, 6, 449-456.	5.6	59
43	Thermal and mechanical cracking in bis(triisopropylsilylethnyl) pentacene thin films. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 3631-3641.	2.1	58
44	A POMâ€“organic framework anode for Li-ion battery. Journal of Materials Chemistry A, 2015, 3, 22989-22995.	10.3	58
45	A Poly(acrylonitrile)-Functionalized Porous Aromatic Framework Synthesized by Atom-Transfer Radical Polymerization for the Extraction of Uranium from Seawater. Industrial & Engineering Chemistry Research, 2016, 55, 4125-4129.	3.7	58
46	Aromatic Polyimide/Graphene Composite Organic Cathodes for Fast and Sustainable Lithiumâ€Ion Batteries. ChemSusChem, 2018, 11, 763-772.	6.8	58
47	Correlating high power conversion efficiency of PTB7:PC₇₁BM inverted organic solar cells with nanoscale structures. Nanoscale, 2015, 7, 15576-15583.	5.6	54
48	Hierarchically Superstructured Prussian Blue Analogues: Spontaneous Assembly Synthesis and Applications as Pseudocapacitive Materials. ChemSusChem, 2015, 8, 177-183.	6.8	54
49	Solution-processed polycrystalline copper tetrabenzoporphyrin thin-film transistors. Synthetic Metals, 2007, 157, 190-197.	3.9	53
50	Ternary behavior and systematic nanoscale manipulation of domain structures in P3HT/PCBM/P3HT-b-PEO films. Journal of Materials Chemistry, 2012, 22, 13013.	6.7	53
51	Crystallization-Driven Thermoreversible Gelation of Coil-Crystalline Cyclic and Linear Diblock Copolypeptoids. ACS Macro Letters, 2013, 2, 436-440.	4.8	53
52	Adsorptive separation of CO2 in sulfur-doped nanoporous carbons: Selectivity and breakthrough simulation. Microporous and Mesoporous Materials, 2017, 241, 226-237.	4.4	53
53	Furan substituted diketopyrrolopyrrole and thienylenevinylene based low band gap copolymer for high mobility organic thin film transistors. Journal of Materials Chemistry, 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. Journal of Environmental Chemical Engineering, 2018, 6, 4927-4936.	6.7	52

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55	High resolution electron microscopy of ordered polymers and organic molecular crystals: Recent developments and future possibilities. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 1749-1778.	2.1	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. CrystEngComm, 2013, 15, 1114-1124.	2.6	51
57	Solvent-Free Synthesis of CuO/HKUST-1 Composite and Its Photocatalytic Application. Inorganic Chemistry, 2019, 58, 8332-8338.	4.0	51
58	Enhancing low-temperature activity and durability of Pd-based diesel oxidation catalysts using ZrO2 supports. Applied Catalysis B: Environmental, 2016, 187, 181-194.	20.2	50
59	Enhanced charge transport and photovoltaic performance of PBDTTT-C-T/PC70BM solar cells via UVâ€“ozone treatment. Nanoscale, 2013, 5, 10007.	5.6	49
60	The impact of controlled solvent exposure on the morphology, structure and function of bulk heterojunction solar cells. Solar Energy Materials and Solar Cells, 2012, 107, 112-124.	6.2	48
61	Poly(3-hexylthiophene) Molecular Bottlebrushes via Ring-Opening Metathesis Polymerization: Macromolecular Architecture Enhanced Aggregation. ACS Macro Letters, 2013, 2, 761-765.	4.8	48
62	Solution-grown small-molecule organic semiconductor with enhanced crystal alignment and areal coverage for organic thin film transistors. AIP Advances, 2015, 5, .	1.3	48
63	Direct growth of aligned graphitic nanoribbons from a DNA template by chemical vapour deposition. Nature Communications, 2013, 4, 2402.	12.8	47
64	Multi-wall carbon nanotube@zeolite imidazolate framework composite from a nanoscale zinc oxide precursor. Microporous and Mesoporous Materials, 2014, 198, 139-143.	4.4	46
65	Differential Detection of Tumor Cells Using a Combination of Cell Rolling, Multivalent Binding, and Multiple Antibodies. Analytical Chemistry, 2014, 86, 6088-6094.	6.5	44
66	Poly(ethylene oxide)-Assisted Macromolecular Self-Assembly of Lignin in ABS Matrix for Sustainable Composite Applications. ACS Sustainable Chemistry and Engineering, 2015, 3, 3070-3076.	6.7	43
67	Review Article: Crystal alignment for high performance organic electronics devices. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, 040801.	2.1	42
68	Coating SiO2 Support with TiO2 or ZrO2 and Effects on Structure and CO Oxidation Performance of Pt Catalysts. Catalysts, 2013, 3, 88-103.	3.5	41
69	Critical role of domain crystallinity, domain purity and domain interface sharpness for reduced bimolecular recombination in polymer solar cells. Nano Energy, 2015, 12, 457-467.	16.0	41
70	Nanoporous Boron Nitride as Exceptionally Thermally Stable Adsorbent: Role in Efficient Separation of Light Hydrocarbons. ACS Applied Materials & Interfaces, 2017, 9, 14506-14517.	8.0	41
71	Interface engineering to enhance charge injection and transport in solution-deposited organic transistors. Organic Electronics, 2017, 50, 100-105.	2.6	41
72	Air-stable solution-processed n-channel organic thin film transistors with polymer-enhanced morphology. Applied Physics Letters, 2015, 106, .	3.3	40

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73	Polymer additive controlled morphology for high performance organic thin film transistors. Soft Matter, 2019, 15, 5790-5803.	2.7	40
74	Understanding How Processing Additives Tune the Nanoscale Morphology of High Efficiency Organic Photovoltaic Blends: From Casting Solution to Spunâ€Cast Thin Film. Advanced Functional Materials, 2014, 24, 6647-6657.	14.9	39
75	Conjugated Polymer Controlled Morphology and Charge Transport of Small-Molecule Organic Semiconductors. Scientific Reports, 2020, 10, 4344.	3.3	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. Chemistry of Materials, 2012, 24, 4459-4467.	6.7	38
77	An approach towards tailoring interfacial structures and properties of multiphase renewable thermoplastics from ligninâ€“nitrile rubber. Green Chemistry, 2016, 18, 5423-5437.	9.0	38
78	Pressureâ€Induced Dielsâ€“Alder Reactions in C₆H₆â€C₆F₆ Cocrystal towards Graphane Structure. Angewandte Chemie - International Edition, 2019, 58, 1468-1473.	13.8	36
79	Adsorptive recovery of neodymium and dysprosium in phosphorous functionalized nanoporous carbon. Journal of Environmental Chemical Engineering, 2017, 5, 4684-4692.	6.7	34
80	Correlation of polymeric compatibilizer structure to its impact on the morphology and function of P3HT:PCBM bulk heterojunctions. Journal of Materials Chemistry A, 2013, 1, 5309.	10.3	33
81	Nanostructured Metal/Carbon Composites from Heterobimetallic Block Copolymers with Controlled Magnetic Properties. Chemistry of Materials, 2014, 26, 3185-3190.	6.7	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. Materials Horizons, 2015, 2, 592-597.	12.2	32
83	Biocompatibility of Soft-Templated Mesoporous Carbons. ACS Applied Materials & Interfaces, 2014, 6, 15068-15077.	8.0	31
84	Novel cross-linked polystyrenes with large space network as tailor-made catalyst supports for sustainable media. European Polymer Journal, 2015, 73, 391-401.	5.4	31
85	Injectable and Biodegradable Nanohybrid Polymers with Simultaneously Enhanced Stiffness and Toughness for Bone Repair. Advanced Functional Materials, 2012, 22, 3181-3190.	14.9	30
86	Synthesis and Characterization of Comb and Centipede Multigraft Copolymers PnBA-g-PS with High Molecular Weight Using Miniemulsion Polymerization. Macromolecules, 2014, 47, 7284-7295.	4.8	30
87	Ionic liquid-mediated synthesis of meso-scale porous lanthanum-transition-metal perovskites with high CO oxidation performance. Chemical Communications, 2015, 51, 5910-5913.	4.1	30
88	Nanoporous polysulfone membranes via a degradable block copolymer precursor for redox flow batteries. Journal of Materials Chemistry A, 2016, 4, 4288-4295.	10.3	30
89	Characterization of Sulfonated Diels-Alder Poly(phenylene) Membranes for Electrolyte Separators in Vanadium Redox Flow Batteries. Journal of the Electrochemical Society, 2014, 161, A1860-A1868.	2.9	29
90	Sustainable Energyâ€Storage Materials from Ligninâ€“Graphene Nanocompositeâ€Derived Porous Carbon Film. Energy Technology, 2017, 5, 1927-1935.	3.8	29

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91	A study on the cytotoxicity of carbon-based materials. Materials Science and Engineering C, 2016, 68, 101-108.	7.3	28
92	High-performance organic field-effect transistors with dielectric and active layers printed sequentially by ultrasonic spraying. Journal of Materials Chemistry C, 2013, 1, 4384.	5.5	27
93	Effect of Macromolecular Architecture on the Morphology of Polystyreneâ€“Polyisoprene Block Copolymers. Macromolecules, 2013, 46, 2023-2031.	4.8	27
94	Enhancement in Organic Photovoltaic Efficiency through the Synergistic Interplay of Molecular Donor Hydrogen Bonding and Ï€â€Stacking. Advanced Functional Materials, 2015, 25, 5166-5177.	14.9	27
95	Ultrahigh surface area carbon from carbonated beverages: Combining self-templating process and in situ activation. Carbon, 2015, 93, 39-47.	10.3	27
96	Mechanical properties of polyurethane/montmorillonite nanocomposite prepared by melt mixing. Journal of Applied Polymer Science, 2007, 106, 712-721.	2.6	26
97	Synthesis of nanowires via helium and neon focused ion beam induced deposition with the gas field ion microscope. Nanotechnology, 2013, 24, 175302.	2.6	25
98	Lithium Perchlorate-Doped Poly(styrene-b-ethylene oxide-b-styrene) Lamellae-Forming Triblock Copolymer as High Capacitance, Smooth, Thin Film Dielectric. Journal of Physical Chemistry C, 2009, 113, 3903-3908.	3.1	24
99	Reciprocated suppression of polymer crystallization toward improved solid polymer electrolytes: Higher ion conductivity and tunable mechanical properties. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1450-1457.	2.1	24
100	Synthesis and Characterization of Graft Copolymers Poly(isoprene-g-styrene) of High Molecular Weight by a Combination of Anionic Polymerization and Emulsion Polymerization. Industrial & Engineering Chemistry Research, 2015, 54, 1292-1300.	3.7	24
101	Adsorption of CO₂, CH₄, and N₂ in Micro-Mesoporous Nanographene: A Comparative Study. Journal of Chemical & Engineering Data, 2015, 60, 2636-2645.	1.9	24
102	Assembly and organization of poly(3-hexylthiophene) brushes and their potential use as novel anode buffer layers for organic photovoltaics. Nanoscale, 2013, 5, 9357.	5.6	23
103	Synthesis of Nitrogen and Sulfur Codoped Nanoporous Carbons from Algae: Role in CO₂ Separation. ACS Omega, 2018, 3, 18592-18602.	3.5	23
104	Ultra-low misorientation angle in small-molecule semiconductor/polyethylene oxide blends for organic thin film transistors. Journal of Polymer Research, 2020, 27, 1.	2.4	23
105	Controlled Assembly of Lignocellulosic Biomass Components and Properties of Reformed Materials. ACS Sustainable Chemistry and Engineering, 2017, 5, 8044-8052.	6.7	22
106	Nanomorphology influence on the light conversion mechanisms in highly efficient diketopyrrolopyrrole based organic solar cells. Organic Electronics, 2013, 14, 326-334.	2.6	21
107	Synthesis, characterization and catalytic activity of novel large network polystyrene-immobilized organic bases. RSC Advances, 2015, 5, 107200-107208.	3.6	20
108	Improved performance by morphology control via fullerenes in PBDT-TBT-alkoBT based organic solar cells. Journal of Materials Chemistry A, 2015, 3, 15307-15313.	10.3	20

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109	Galvanic synthesis of bi-modal porous metal nanostructures using aluminum nanoparticle templates. Materials Letters, 2012, 88, 143-147.	2.6	19
110	Distinguishing the Importance of Fullerene Phase Separation from Polymer Ordering in the Performance of Low Band Gap Polymer:Bisâ€Fullerene Heterojunctions. Advanced Functional Materials, 2014, 24, 7284-7290.	14.9	19
111	Microphase separation in thin films of lamellar forming polydisperse di-block copolymers. RSC Advances, 2015, 5, 21336-21348.	3.6	19
112	Reversible Conversion of Dominant Polarity in Ambipolar Polymer/Graphene Oxide Hybrids. Scientific Reports, 2015, 5, 9446.	3.3	19
113	Effect of Polymer Molecular Weight on Morphology and Charge Transport of Small-Molecular Organic Semiconductors. Electronic Materials Letters, 2020, 16, 441-450.	2.2	19
114	Magnetic alignment of SWCNTs decorated with Fe3O4 to enhance mechanical properties of SC-15 epoxy. AIP Advances, 2013, 3, .	1.3	18
115	Addressable morphology control of silica structures by manipulating the reagent addition time. RSC Advances, 2014, 4, 2291-2294.	3.6	18
116	Controlled release of alendronate from nitrogen-doped mesoporous carbon. Microporous and Mesoporous Materials, 2016, 229, 8-13.	4.4	18
117	Nanoporous poly(3-hexylthiophene) thin film structures from self-organization of a tunable molecular bottlebrush scaffold. Nanoscale, 2017, 9, 7071-7080.	5.6	18
118	Phase segregation mechanisms of small moleculeâ€polymer blends unraveled by varying polymer chain architecture. SmartMat, 2021, 2, 367-377.	10.7	18
119	A facile and novel route to improve TIPS pentacene based organic thin film transistor performance with elastomer. Synthetic Metals, 2020, 262, 116337.	3.9	17
120	Translational diffusion of water inside hydrophobic carbon micropores studied by neutron spectroscopy and molecular dynamics simulation. Physical Review E, 2015, 91, 022124.	2.1	16
121	Controlling interfacial properties in supported metal oxide catalysts through metalâ€“organic framework templating. Journal of Materials Chemistry A, 2017, 5, 13565-13572.	10.3	15
122	Printability study of self-supporting graphene oxide-laponite nanocomposites for 3D printing applications. International Journal of Advanced Manufacturing Technology, 2021, 114, 343-355.	3.0	15
123	Operando Analysis of Gas Evolution in TiNb₂O₇ (TNO)-Based Anodes for Advanced High-Energy Lithium-Ion Batteries under Fast Charging. ACS Applied Materials & Interfaces, 2021, 13, 55145-55155.	8.0	15
124	Polymer-Grafted Porous Silica Nanoparticles with Enhanced CO₂ Permeability and Mechanical Performance. ACS Applied Materials & Interfaces, 2021, 13, 27411-27418.	8.0	14
125	Nanostructure enhanced ionic transport in fullerene reinforced solid polymer electrolytes. Physical Chemistry Chemical Physics, 2015, 17, 8266-8275.	2.8	13
126	Morphological Evolution and Its Impacts on Performance of Polymer Solar Cells. IEEE Transactions on Electron Devices, 2015, 62, 1284-1290.	3.0	13

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127	Assembly and Characterization of Well-Defined High-Molecular-Weight Poly(p-phenylene) Polymer Brushes. Chemistry of Materials, 2011, 23, 4367-4374.	6.7	12
128	Micro-/mesoporous carbons for controlled release of antipyrine and indomethacin. RSC Advances, 2015, 5, 23699-23707.	3.6	12
129	Synthesis of very small diameter silica nanofibers using sound waves. Chemical Communications, 2014, 50, 7277-7279.	4.1	10
130	Amending the Structure of Renewable Carbon from Biorefinery Waste-Streams for Energy Storage Applications. Scientific Reports, 2018, 8, 8355.	3.3	10
131	An Ionomeric Renewable Thermoplastic from Ligninâ€Reinforced Rubber. Macromolecular Rapid Communications, 2019, 40, e1900059.	3.9	10
132	Well-Defined Polyisoprene-b-Poly(acrylic acid)/Polystyrene-b-Polyisoprene-b-Poly(acrylic acid) Block Copolymers: Synthesis and Their Self-Assembled Hierarchical Structures in Aqueous Media. ACS Macro Letters, 2012, 1, 743-747.	4.8	9
133	Ultrastructure and Enzymatic Hydrolysis of Deuterated Switchgrass. Scientific Reports, 2018, 8, 13226.	3.3	9
134	Crystal growth of small-molecule organic semiconductors with nucleation additive. Current Applied Physics, 2021, 21, 107-115.	2.4	9
135	Unraveling the Fundamental Mechanisms of Solvent-Additive-Induced Optimization of Power Conversion Efficiencies in Organic Photovoltaic Devices. ACS Applied Materials & Interfaces, 2016, 8, 20220-20229.	8.0	8
136	Hierarchically Superstructured Metal Sulfides: Facile Perturbationâ€Assisted Nanofusion Synthesis and Visible Light Photocatalytic Characterizations. ChemNanoMat, 2016, 2, 1104-1110.	2.8	8
137	Same solution synthesis and self-assembly of porous silica nanoparticles into microspheres. Applied Surface Science, 2019, 467-468, 634-639.	6.1	8
138	Advanced Electron Microscopy of Nanophased Synthetic Polymers and Soft Complexes for Energy and Medicine Applications. Nanomaterials, 2021, 11, 2405.	4.1	8
139	Polyferrocenylsilane Semicrystalline Polymer Additive for Solution-Processed p-Channel Organic Thin Film Transistors. Polymers, 2021, 13, 402.	4.5	7
140	Tuning charge transport in organic semiconductors with nanoparticles and hexamethyldisilazane. Journal of Nanoparticle Research, 2021, 23, 1.	1.9	7
141	Synthesis of Poly(ionic Liquid)s-block-poly(methyl Methacrylate) Copolymer-Grafted Silica Particle Brushes with Enhanced CO₂ Permeability and Mechanical Performance. Langmuir, 2021, 37, 10875-10881.	3.5	7
142	Microstructure and mechanical properties of polyurethane/nylon/montmorillonite nanocomposite. Fibers and Polymers, 2007, 8, 43-49.	2.1	6
143	Grafting density effects, optoelectrical properties and nano-patterning of poly(para-phenylene) brushes. Journal of Materials Chemistry A, 2013, 1, 13426.	10.3	5
144	Electron beam induced radiation damage in the catalyst layer of a proton exchange membrane fuel cell. Scanning, 2014, 36, 338-346.	1.5	5

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145	Diblock copolymers of polystyreneâ€bâ€poly(1,3â€cyclohexadiene) exhibiting unique threeâ€phase microdomain morphologies. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 1564-1572.	2.1	5
146	Investigations on the Phase Diagram and Interaction Parameter of Poly(styrene-b-1,3-cyclohexadiene) Copolymers. Macromolecules, 2017, 50, 2354-2363.	4.8	5
147	Mesoporous xEr₂O₃Â·CoTiO₃ composite oxide catalysts for low temperature dehydrogenation of ethylbenzene to styrene using CO₂ as a soft oxidant. RSC Advances, 2016, 6, 32989-32993.	3.6	4
148	Harnessing autocatalytic reactions in polymerization and depolymerization. MRS Communications, 2021, 11, 377-390.	1.8	4
149	Side chain dynamics in semiconducting polymer MEHâ€PPV. Journal of Applied Polymer Science, 2019, 136, 47394.	2.6	3
150	Reply to Comment on Polymorphism in the 1:1 Chargeâ€Transfer Complex DBTTFâ€TCNQ and Its Effects on Optical and Electronic Properties. Advanced Electronic Materials, 2017, 3, 1600521.	5.1	2
151	Oxygenâ€Functionalized Fewâ€Layer Graphene Sheets as Active Catalysts for Oxidative Dehydrogenation Reactions. ChemSusChem, 2013, 6, 732-732.	6.8	1
152	TEM of Nanostructured Organic and Hybrid Materials for Photovoltaic and Battery Applications. Microscopy and Microanalysis, 2014, 20, 626-627.	0.4	1
153	Effect of autoclave process on the quality of thermoplastic composite truncated cones manufactured using automated fiber placement technique. Science and Engineering of Composite Materials, 2015, 22, 175-186.	1.4	1
154	Role of tunable polymer flexibility in controlling wetting behavior and thermal properties of poly(1,3â€cyclohexadiene)â€silica nanocomposites. SPE Polymers, 0, , .	3.3	1
155	Morphology study on ternary blend polymer solar cell to achieve improved device performance. Proceedings of SPIE, 2013, , .	0.8	0
156	Nanostructure-Driven Ion Transport in PCBM-Based Polymer Electrolytes. ECS Transactions, 2014, 61, 31-33.	0.5	0
157	Recyclable Polymers: A New Class of Renewable Thermoplastics with Extraordinary Performance from Nanostructured Ligninâ€Elastomers (Adv. Funct. Mater. 16/2016). Advanced Functional Materials, 2016, 26, 2676-2676.	14.9	0
158	Inside Front Cover: Volume 2 Issue 3. SmartMat, 2021, 2, iii.	10.7	0
159	Improving Energy Storage and Ion Transport of Soft Nanostructured Complexes Using Regulated Crystallization. ECS Meeting Abstracts, 2020, MA2020-02, 3752-3752.	0.0	0