

Xiao Hu

List of Publications by Year in descending order

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372
papers

14,302
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16411

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376
docs citations

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times ranked

17295
citing authors

#	ARTICLE	IF	CITATIONS
1	Tensile properties of short-glass-fiber- and short-carbon-fiber-reinforced polypropylene composites. Composites Part A: Applied Science and Manufacturing, 2000, 31, 1117-1125.	3.8	682
2	High-yield synthesis and optical properties of g-C ₃ N ₄ . Nanoscale, 2015, 7, 12343-12350.	2.8	303
3	Synthesis of robust and high-performance aquaporin-based biomimetic membranes by interfacial polymerization-membrane preparation and RO performance characterization. Journal of Membrane Science, 2012, 423-424, 422-428.	4.1	272
4	Thermal conductivity of polystyrene-aluminum nitride composite. Composites Part A: Applied Science and Manufacturing, 2002, 33, 289-292.	3.8	268
5	MoS ₂ /TiO ₂ Edge-On Heterostructure for Efficient Photocatalytic Hydrogen Evolution. Advanced Energy Materials, 2016, 6, 1600464.	10.2	264
6	Specific properties and fracture toughness of syntactic foam: Effect of foam microstructures. Composites Science and Technology, 2005, 65, 1840-1850.	3.8	229
7	Gel Network Structure of Methylcellulose in Water. Langmuir, 2001, 17, 8062-8068.	1.6	226
8	Temperature-responsive hydrogel with ultra-large solar modulation and high luminous transmission for "smart window" applications. Journal of Materials Chemistry A, 2014, 2, 13550-13555.	5.2	224
9	Thermally Induced Association and Dissociation of Methylcellulose in Aqueous Solutions. Langmuir, 2002, 18, 7291-7298.	1.6	209
10	Phthalonitrile-Based Carbon Foam with High Specific Mechanical Strength and Superior Electromagnetic Interference Shielding Performance. ACS Applied Materials & Interfaces, 2016, 8, 7422-7430.	4.0	189
11	TiO ₂ hollow spheres with large amount of exposed (001) facets for fast reversible lithium storage. Journal of Materials Chemistry, 2011, 21, 1677-1680.	6.7	182
12	VO ₂ /hydrogel hybrid nanothermochromic material with ultra-high solar modulation and luminous transmission. Journal of Materials Chemistry A, 2015, 3, 1121-1126.	5.2	179
13	A critical review on draw solutes development for forward osmosis. Desalination, 2016, 391, 16-29.	4.0	169
14	Microwave-assisted non-aqueous route to deposit well-dispersed ZnO nanocrystals on reduced graphene oxide sheets with improved photoactivity for the decolorization of dyes under visible light. Applied Catalysis B: Environmental, 2012, 125, 425-431.	10.8	161
15	Using oxidation to increase the electrical conductivity of carbon nanotube electrodes. Carbon, 2009, 47, 1867-1870.	5.4	152
16	Interface Driven Energy Filtering of Thermoelectric Power in Spark Plasma Sintered Bi ₂ Te _{2.7} Se _{0.3} Nanoplatelet Composites. Nano Letters, 2012, 12, 4305-4310.	4.5	149
17	Elucidation of stoichiometric efficiency, radical generation and transformation pathway during catalytic oxidation of sulfamethoxazole via peroxymonosulfate activation. Water Research, 2019, 151, 64-74.	5.3	148
18	Nature gives the best solution for desalination: Aquaporin-based hollow fiber composite membrane with superior performance. Journal of Membrane Science, 2015, 494, 68-77.	4.1	141

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19	Dielectric properties of polystyrene/aluminum-nitride composites. <i>Journal of Applied Physics</i> , 2000, 88, 398-404.	1.1	139
20	A microwave-assisted rapid route to synthesize ZnO/ZnS core/shell nanostructures via controllable surface sulfidation of ZnO nanorods. <i>CrystEngComm</i> , 2011, 13, 3438.	1.3	133
21	Template-Directed Liquid ALD Growth of TiO ₂ Nanotube Arrays: Properties and Potential in Photovoltaic Devices. <i>Advanced Functional Materials</i> , 2010, 20, 1390-1396.	7.8	126
22	Towards temperature driven forward osmosis desalination using Semi-IPN hydrogels as reversible draw agents. <i>Water Research</i> , 2013, 47, 3773-3781.	5.3	125
23	Additive-free poly (vinylidene fluoride) aerogel for oil/water separation and rapid oil absorption. <i>Chemical Engineering Journal</i> , 2017, 308, 18-26.	6.6	125
24	Fracture resistance of short-glass-fiber-reinforced and short-carbon-fiber-reinforced polypropylene under Charpy impact load and its dependence on processing. <i>Journal of Materials Processing Technology</i> , 1999, 89-90, 501-507.	3.1	120
25	Urea-assisted one-step synthesis of cobalt ferrite impregnated ceramic membrane for sulfamethoxazole degradation via peroxymonosulfate activation. <i>Chemical Engineering Journal</i> , 2018, 343, 737-747.	6.6	119
26	Salt Template Assisted BN Scaffold Fabrication toward Highly Thermally Conductive Epoxy Composites. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16987-16996.	4.0	117
27	Morphology, thermal and mechanical properties of nylon 12/organoclay nanocomposites prepared by melt compounding. <i>Polymer International</i> , 2005, 54, 456-464.	1.6	115
28	Aquaporin-based biomimetic reverse osmosis membranes: Stability and long term performance. <i>Journal of Membrane Science</i> , 2016, 508, 94-103.	4.1	115
29	Facile one-pot synthesis of uniform TiO ₂ /Ag hybrid hollow spheres with enhanced photocatalytic activity. <i>Dalton Transactions</i> , 2013, 42, 1122-1128.	1.6	114
30	Superabsorbent Cryogels Decorated with Silver Nanoparticles as a Novel Water Technology for Point-of-Use Disinfection. <i>Environmental Science & Technology</i> , 2013, 47, 9363-9371.	4.6	113
31	Photochemical and Thermal Isomerizations of Azobenzene-Containing Amphiphilic Diblock Copolymers in Aqueous Micellar Aggregates and in Film. <i>Macromolecules</i> , 2005, 38, 3943-3948.	2.2	110
32	Title is missing!. <i>Journal of Materials Science</i> , 2001, 36, 1243-1251.	1.7	101
33	Uniform hamburger-like mesoporous carbon-incorporated ZnO nanoarchitectures: One-pot solvothermal synthesis, high adsorption and visible-light photocatalytic decolorization of dyes. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 1-8.	10.8	97
34	Effect of fiber reinforcement on the tensile, fracture and thermal properties of syntactic foam. <i>Polymer</i> , 2007, 48, 3183-3191.	1.8	95
35	Synthesis, Characterization, and Physical Properties of a Conjugated Heteroacene: 2-Methyl-1,4,6,7,8,9-hexaphenylbenzo[<i>g</i>]isoquinolin-3(2 <i>H</i>)-one (BIQ). <i>Chemistry - an Asian Journal</i> , 2011, 6, 856-862.	1.7	95
36	New water soluble azobenzene-containing diblock copolymers: synthesis and aggregation behavior. <i>Polymer</i> , 2005, 46, 137-146.	1.8	94

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37	Pore-functionalized ceramic membrane with isotropically impregnated cobalt oxide for sulfamethoxazole degradation and membrane fouling elimination: Synergistic effect between catalytic oxidation and membrane separation. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 37-46.	10.8	94
38	Nanostructural zinc oxide and its electrical and optical properties. <i>Journal of Applied Physics</i> , 2004, 95, 661-666.	1.1	93
39	Controllable Gelation of Methylcellulose by a Salt Mixture. <i>Langmuir</i> , 2004, 20, 6134-6138.	1.6	92
40	Atomic nitrogen doping and p-type conduction in SnO ₂ . <i>Applied Physics Letters</i> , 2009, 95, .	1.5	90
41	Direct electrochemistry-based hydrogen peroxide biosensor formed from single-layer graphene nanoplatelet-enzyme composite film. <i>Talanta</i> , 2010, 82, 1344-1348.	2.9	90
42	A novel two-degree-of-freedom MEMS electromagnetic vibration energy harvester. <i>Journal of Micromechanics and Microengineering</i> , 2016, 26, 035020.	1.5	90
43	Thermochromic Ionogel: A New Class of Stimuli Responsive Materials with Super Cyclic Stability for Solar Modulation. <i>Chemistry of Materials</i> , 2017, 29, 6947-6955.	3.2	88
44	Properties of polycrystalline ZnO thin films by metal organic chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2005, 281, 571-576.	0.7	87
45	Polydopamine decoration on 3D graphene foam and its electromagnetic interference shielding properties. <i>Journal of Colloid and Interface Science</i> , 2017, 493, 327-333.	5.0	86
46	Insights into the speciation of heavy metals during pyrolysis of industrial sludge. <i>Science of the Total Environment</i> , 2019, 691, 232-242.	3.9	86
47	Structure and properties of 3-alkoxy substituted polythiophene synthesized at low temperature. <i>Polymer</i> , 2000, 41, 9147-9154.	1.8	85
48	Facile One-Step Microwave-Assisted Route towards Ni Nanospheres/Reduced Graphene Oxide Hybrids for Non-Enzymatic Glucose Sensing. <i>Sensors</i> , 2012, 12, 4860-4869.	2.1	84
49	Energy-efficient desalination by forward osmosis using responsive ionic liquid draw solutes. <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 341-347.	1.2	84
50	Out-of-plane electret-based MEMS energy harvester with the combined nonlinear effect from electrostatic force and a mechanical elastic stopper. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 104014.	1.5	83
51	CO ₂ switchable dual responsive polymers as draw solutes for forward osmosis desalination. <i>Chemical Communications</i> , 2013, 49, 8377.	2.2	82
52	Direct dry transfer of chemical vapor deposition graphene to polymeric substrates. <i>Carbon</i> , 2015, 83, 224-231.	5.4	82
53	Electromagnetic interference shielding properties and mechanisms of chemically reduced graphene aerogels. <i>Applied Surface Science</i> , 2017, 412, 529-536.	3.1	81
54	Surface-nucleated heterogeneous growth of zeolitic imidazolate framework – A unique precursor towards catalytic ceramic membranes: Synthesis, characterization and organics degradation. <i>Chemical Engineering Journal</i> , 2018, 353, 69-79.	6.6	81

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55	Enhanced Molecular Level Dispersion and Interface Bonding at Low Loading of Modified Graphene Oxide To Fabricate Super Nylon 12 Composites. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3142-3151.	4.0	80
56	Rheological study of crosslinking and gelation in bismaleimide/cyanate ester interpenetrating polymer network. <i>Journal of Applied Polymer Science</i> , 2001, 80, 2437-2445.	1.3	78
57	Dielectric properties of self-catalytic interpenetrating polymer network based on modified bismaleimide and cyanate ester resins. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 1123-1134.	2.4	77
58	Bactericidal Mechanisms Revealed for Rapid Water Disinfection by Superabsorbent Cryogels Decorated with Silver Nanoparticles. <i>Environmental Science & Technology</i> , 2015, 49, 2310-2318.	4.6	77
59	In-grown structure of NiFe mixed metal oxides and CNT hybrid catalysts for oxygen evolution reaction. <i>Chemical Communications</i> , 2016, 52, 1439-1442.	2.2	74
60	Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater – a perspective. <i>Environmental Science: Nano</i> , 2020, 7, 2178-2194.	2.2	74
61	The characteristics of carbon nanotube-reinforced poly(phenylene sulfide) nanocomposites. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3477-3483.	1.3	73
62	Mussel-Inspired Polydopamine Coated Hollow Carbon Microspheres, a Novel Versatile Filler for Fabrication of High Performance Syntactic Foams. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18644-18652.	4.0	72
63	Origin of the Bottlenecks in Preparing Anodized Aluminum Oxide (AAO) Templates on ITO Glass. <i>ACS Nano</i> , 2008, 2, 2250-2256.	7.3	71
64	Specific functionalization and polymer grafting on multiwalled carbon nanotubes to fabricate advanced nylon 12 composites. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3961.	5.2	68
65	Identifying Influential Parameters of Octahedrally Coordinated Cations in Spinel ZnMn _x Co _{2-x} O ₄ Oxides for the Oxidation Reaction. <i>ACS Catalysis</i> , 2018, 8, 8568-8577.	5.5	68
66	Thermal Curing of Hydrogen Silsesquioxane. <i>Journal of the Electrochemical Society</i> , 2000, 147, 335.	1.3	66
67	Analyses of the micromechanics of stress transfer in single- and multi-fiber pull-out tests. <i>Composites Science and Technology</i> , 2000, 60, 569-579.	3.8	65
68	Photoregulated Sol-Gel Transition of Novel Azobenzene-Functionalized Hydroxypropyl Methylcellulose and Its β -Cyclodextrin Complexes. <i>Macromolecular Rapid Communications</i> , 2004, 25, 678-682.	2.0	64
69	One-pot solvothermal synthesis of multi-shelled β -Fe ₂ O ₃ hollow spheres with enhanced visible-light photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2013, 551, 440-443.	2.8	64
70	Hybrid catalytic ozonation-membrane filtration process with CeO _x and MnO _x impregnated catalytic ceramic membranes for micropollutants degradation. <i>Chemical Engineering Journal</i> , 2019, 378, 121670.	6.6	62
71	Flexible polyurethane composites prepared by incorporation of polyethylenimine-modified slightly reduced graphene oxide. <i>Carbon</i> , 2016, 98, 432-440.	5.4	60
72	Enhancing Agrichemical Delivery and Seedling Development with Biodegradable, Tunable, Biopolymer-Based Nanofiber Seed Coatings. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9537-9548.	3.2	59

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73	Tribological properties of short carbon fibers reinforced epoxy composites. <i>Friction</i> , 2014, 2, 226-239.	3.4	58
74	Understanding membrane fouling by oil-in-water emulsion via experiments and molecular dynamics simulations. <i>Journal of Membrane Science</i> , 2018, 566, 140-150.	4.1	58
75	Novel chemical surface modification to enhance hydrophobicity of polyamide-imide (PAI) hollow fiber membranes. <i>Journal of Membrane Science</i> , 2011, 380, 241-250.	4.1	57
76	A variable reaction order model for prediction of curing kinetics of thermosetting polymers. <i>Polymer</i> , 2007, 48, 6125-6133.	1.8	56
77	Autocatalytic curing kinetics of thermosetting polymers: A new model based on temperature dependent reaction orders. <i>Polymer</i> , 2010, 51, 3814-3820.	1.8	56
78	Strategic positioning of carbon fiber layers in an UHMWPE ballistic hybrid composite panel. <i>International Journal of Impact Engineering</i> , 2019, 129, 119-127.	2.4	55
79	Supramolecular Complexes of Azocellulose and β -Cyclodextrin: Isothermal Titration Calorimetric and Spectroscopic Studies. <i>Macromolecules</i> , 2005, 38, 2859-2864.	2.2	53
80	Polymersomes-based high-performance reverse osmosis membrane for desalination. <i>Journal of Membrane Science</i> , 2018, 555, 177-184.	4.1	53
81	Study of Alq ₃ thermal evaporation rate effects on the OLED. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 112, 14-18.	1.7	51
82	Preparation, characterization and novel photoregulated rheological properties of azobenzene functionalized cellulose derivatives and their β -CD complexes. <i>Polymer</i> , 2004, 45, 6219-6225.	1.8	51
83	Nano-toughening versus micro-toughening of polymer syntactic foams. <i>Composites Science and Technology</i> , 2007, 67, 2924-2933.	3.8	51
84	Design and synthesis of ice-templated PSA cryogels for water purification: towards tailored morphology and properties. <i>Soft Matter</i> , 2013, 9, 224-234.	1.2	51
85	A three-dimensional electret-based micro power generator for low-level ambient vibrational energy harvesting. <i>Journal of Micromechanics and Microengineering</i> , 2014, 24, 065022.	1.5	51
86	Design and implementation of an out-of-plane electrostatic vibration energy harvester with dual-charged electret plates. <i>Microelectronic Engineering</i> , 2015, 135, 32-37.	1.1	51
87	Role of alkali cation in compressive strength of metakaolin based geopolymers. <i>Ceramics International</i> , 2017, 43, 3811-3817.	2.3	51
88	Sol-gel transition of methylcellulose in phosphate buffer saline solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 1849-1860.	2.4	50
89	Substituent Effects on Physical and Photovoltaic Properties of 5,6-Difluorobenzo[1,2,5]thiadiazole-Based π -A Polymers: Toward a Donor Design for High Performance Polymer Solar Cells. <i>Macromolecules</i> , 2013, 46, 9587-9592.	2.2	50
90	Effect of fillers on the structure and mechanical properties of LCP/PP/SiO ₂ in-situ hybrid nanocomposites. <i>Composites Science and Technology</i> , 2003, 63, 339-346.	3.8	49

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91	Sandwich-structured two-dimensional MEMS electret power generator for low-level ambient vibrational energy harvesting. <i>Sensors and Actuators A: Physical</i> , 2015, 228, 95-103.	2.0	49
92	The flexural modulus of misaligned short-fiber-reinforced polymers. <i>Composites Science and Technology</i> , 1999, 59, 1533-1542.	3.8	48
93	Grafting Low Contents of Branched Polyethylenimine onto Carbon Fibers to Effectively Improve Their Interfacial Shear Strength with an Epoxy Matrix. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500122.	1.9	48
94	Identification of safe and stable operation conditions for pressure retarded osmosis with high performance hollow fiber membrane. <i>Journal of Membrane Science</i> , 2016, 503, 90-100.	4.1	47
95	Thermal degradation study of interpenetrating polymer network based on modified bismaleimide resin and cyanate ester. <i>Polymer International</i> , 2003, 52, 15-22.	1.6	46
96	A novel approach for fabricating highly tunable and fluffy bioinspired 3D poly(vinyl alcohol) (PVA) fiber scaffolds. <i>Nanoscale</i> , 2017, 9, 7081-7093.	2.8	46
97	Acetic acid-assisted fabrication of hierarchical flower-like Bi ₂ O ₃ for photocatalytic degradation of sulfamethoxazole and rhodamine B under solar irradiation. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 489-499.	5.0	45
98	Novel sustainable geopolymer based syntactic foams: An eco-friendly alternative to polymer based syntactic foams. <i>Chemical Engineering Journal</i> , 2017, 313, 74-82.	6.6	45
99	Static and dynamic mechanical properties of modified bismaleimide and cyanate ester interpenetrating polymer networks. <i>Journal of Applied Polymer Science</i> , 2003, 88, 2000-2006.	1.3	44
100	Deformation micromechanics in high-modulus fibres and composites. <i>Composites Science and Technology</i> , 1993, 48, 255-261.	3.8	41
101	Zinc oxide quantum dots embedded films by metal organic chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2006, 290, 518-522.	0.7	41
102	Thin film TiO ₂ electrodes derived by sol-gel process for photovoltaic applications. <i>Journal of Power Sources</i> , 2006, 159, 353-356.	4.0	40
103	Nanocarbons as platforms for developing novel catalytic composites: overview and prospects. <i>Applied Catalysis A: General</i> , 2018, 562, 94-105.	2.2	40
104	Polyacrylonitrile (PAN)-induced carbon membrane with in-situ encapsulated cobalt crystal for hybrid peroxydisulfate oxidation-filtration process: Preparation, characterization and performance evaluation. <i>Chemical Engineering Journal</i> , 2019, 373, 425-436.	6.6	39
105	PP/LCP composites: effects of shear flow, extensional flow and nanofillers. <i>Composites Science and Technology</i> , 2003, 63, 1921-1929.	3.8	38
106	Synthesis and exfoliation of bismaleimide-organoclay nanocomposites. <i>Polymer</i> , 2004, 45, 9011-9018.	1.8	38
107	Charge transport and recombination in dye-sensitized solar cells based on hybrid films of TiO ₂ particles/TiO ₂ nanotubes. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7808-7813.	2.8	38
108	A comparative study on electromagnetic interference shielding behaviors of chemically reduced and thermally reduced graphene aerogels. <i>Journal of Colloid and Interface Science</i> , 2017, 492, 112-118.	5.0	37

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109	Fluorescent N/Al Co-Doped Carbon Dots from Cellulose Biomass for Sensitive Detection of Manganese (VII). <i>Journal of Fluorescence</i> , 2019, 29, 1291-1300.	1.3	37
110	Miscibility and interactions in blends and complexes of poly(4-methyl-5-vinylthiazole) with proton-donating polymers. <i>Polymer</i> , 2003, 44, 5285-5291.	1.8	36
111	A Novel Amphiphilic Double-[60]Fullerene-Capped Triblock Copolymer. <i>Macromolecules</i> , 2005, 38, 9889-9893.	2.2	36
112	Improved Polymer Encapsulation on Multiwalled Carbon Nanotubes by Selective Plasma Induced Controlled Polymer Grafting. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 664-670.	4.0	36
113	Nano-hybrid bimetallic Au-Pd catalysts for ambient condition-catalytic wet air oxidation (AC-CWAO) of organic dyes. <i>Separation and Purification Technology</i> , 2020, 233, 115960.	3.9	36
114	EFFECTS OF FIBER LENGTH AND ORIENTATION DISTRIBUTIONS ON THE MECHANICAL PROPERTIES OF SHORT-FIBER-REINFORCED POLYMERS. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 1999, 48, 74-83.	0.1	35
115	On the elastic stress transfer and longitudinal modulus of unidirectional multi-short-fiber composites. <i>Composites Science and Technology</i> , 2000, 60, 3001-3012.	3.8	35
116	Novel approach to fibrillation of LCP in an LCP/PP blend. <i>Journal of Applied Polymer Science</i> , 2002, 86, 2070-2078.	1.3	35
117	Effect of nano-silica filler on the rheological and morphological properties of polypropylene/liquid-crystalline polymer blends. <i>Journal of Applied Polymer Science</i> , 2003, 87, 1484-1492.	1.3	35
118	Effects of annealing (solid and melt) on the time evolution of polymorphic structure of PA6/silicate nanocomposites. <i>Polymer</i> , 2004, 45, 3819-3825.	1.8	35
119	Influence of surface morphology on the performance of nanostructured ZnO-loaded ceramic honeycomb for syngas desulfurization. <i>Fuel</i> , 2018, 211, 591-599.	3.4	35
120	Enhancing Agrichemical Delivery and Plant Development with Biopolymer-Based Stimuli Responsive Core-Shell Nanostructures. <i>ACS Nano</i> , 2022, 16, 6034-6048.	7.3	35
121	Synthesis and characterization of thieno[3,2-b]thiophene-isoindigo-based copolymers as electron donor and hole transport materials for bulk-heterojunction polymer solar cells. <i>Journal of Polymer Science Part A</i> , 2013, 51, 424-434.	2.5	34
122	Enhancing pressure retarded osmosis performance with low-pressure nanofiltration pretreatment: Membrane fouling analysis and mitigation. <i>Journal of Membrane Science</i> , 2017, 543, 114-122.	4.1	34
123	Novel high temperature polymeric encapsulation material for extreme environment electronics packaging. <i>Materials and Design</i> , 2018, 141, 202-209.	3.3	34
124	Surface modified silica mesoporous films as a low dielectric constant intermetal dielectric. <i>Journal of Applied Physics</i> , 2002, 92, 3338-3344.	1.1	33
125	Effect of organoclay on the curing reactions in bismaleimide/diallyl bisphenol a resin. <i>Journal of Polymer Science Part A</i> , 2005, 43, 994-1006.	2.5	33
126	Effects of crystallization temperature on the polymorphic behavior of syndiotactic polystyrene. <i>Polymer</i> , 2002, 43, 2489-2494.	1.8	32

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127	H ₂ Oâ€“EG-Assisted Synthesis of Uniform Urchinlike Rutile TiO ₂ with Superior Lithium Storage Properties. ACS Applied Materials & Interfaces, 2013, 5, 9998-10003.	4.0	32
128	Module scale-up and performance evaluation of thin film composite hollow fiber membranes for pressure retarded osmosis. Journal of Membrane Science, 2018, 548, 398-407.	4.1	32
129	Synthesis, characterization, and structure of glassy diacetylene-containing segmented block copolyurethanes. Macromolecules, 1992, 25, 672-683.	2.2	31
130	Structure and deformation of high-modulus alumina-zirconia fibres. Journal of Materials Science, 1992, 27, 1409-1416.	1.7	31
131	Synthesis of organically modified mesoporous silica as a low dielectric constant intermetal dielectric. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 2036.	1.6	31
132	Organic vapor adsorption behavior of poly(3-butoxythiophene) LB films on quartz crystal microbalance. Thin Solid Films, 2002, 417, 90-94.	0.8	30
133	Syntheses, structures and luminescent properties of Sm (III) and Eu (III) chelates for organic electroluminescent device applications. Journal of Alloys and Compounds, 2003, 358, 235-244.	2.8	30
134	The Effect of TEOS/MTES Ratio on the Structural and Dielectric Properties of Porous Silica Films. Journal of the Electrochemical Society, 2003, 150, F116.	1.3	30
135	Enhanced performance of tris-(8-hydroxyquinoline) aluminum-based organic light-emitting devices with LiF/Mg:Ag/Ag cathode. Optics Express, 2005, 13, 26.	1.7	30
136	Modification of carbon nanotubes by a novel biomimetic approach towards the enhancement of the mechanical properties of polyurethane. Polymer, 2016, 92, 231-238.	1.8	30
137	Effect of layered nano-organosilicate on the gel point rheology of bismaleimide/diallylbisphenol A resin. Polymer, 2005, 46, 2766-2776.	1.8	29
138	Quantum-dot-based biosensor for simultaneous detection of biomarker and therapeutic drug: first steps toward an assay for quantitative pharmacology. Analyst, The, 2012, 137, 1205.	1.7	29
139	Single-Step Process toward Achieving Superhydrophobic Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2016, 8, 10985-10994.	4.0	29
140	Synthesis, characterization and dual photochromic properties of azo-substituted polythiophene derivatives. Thin Solid Films, 2002, 417, 95-100.	0.8	28
141	Steady-state fluorescence study on release of camptothecin from agar hydrogel. International Journal of Pharmaceutics, 2004, 287, 13-19.	2.6	28
142	Photo-driven pulsating vesicles from self-assembled lipid-like azopolymers. Soft Matter, 2011, 7, 11345.	1.2	28
143	High-Yield Exfoliation of Monolayer 1Tâ€™-MoTe ₂ as Saturable Absorber for Ultrafast Photonics. ACS Nano, 2021, 15, 18448-18457.	7.3	28
144	Effects of shear rate, viscosity ratio and liquid crystalline polymer content on morphological and mechanical properties of polycarbonate and LCP blends. Polymer International, 2002, 51, 398-405.	1.6	27

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145	A pH-sensitive double [60]fullerene-end-capped polymers via ATRP: Synthesis and aggregation behavior. <i>Polymer</i> , 2007, 48, 2312-2321.	1.8	26
146	In-situ growth of titania nanoparticles in electrospun polymer nanofibers at low temperature. <i>Materials Letters</i> , 2009, 63, 1401-1403.	1.3	26
147	Synthesis and characterization of soluble conjugated polymers having pyrene moiety in the main chain. <i>Journal of Polymer Science Part A</i> , 2010, 48, 5562-5569.	2.5	26
148	Synthesis of a Novel Low-Bandgap Polymer Based on a Ladder-Type Heptacyclic Arene Consisting of Outer Thieno[3,2-b]thiophene Units for Efficient Photovoltaic Application. <i>Macromolecular Rapid Communications</i> , 2013, 34, 681-688.	2.0	26
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