Hyoung-Joon Jin

List of Publications by Year
in descending order

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204	14,076	36203	21474
papers	citations	51 h-index	114 g-index

207	207	207	15195
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanism of silk processing in insects and spiders. Nature, 2003, 424, 1057-1061.	13.7	1,214
2	Electrospun silk-BMP-2 scaffolds for bone tissue engineering. Biomaterials, 2006, 27, 3115-3124.	5.7	1,056
3	Porous 3-D Scaffolds from Regenerated Silk Fibroin. Biomacromolecules, 2004, 5, 718-726.	2.6	807
4	Structure and Properties of Silk Hydrogels. Biomacromolecules, 2004, 5, 786-792.	2.6	735
5	ElectrospinningBombyx moriSilk with Poly(ethylene oxide). Biomacromolecules, 2002, 3, 1233-1239.	2.6	679
6	Human bone marrow stromal cell responses on electrospun silk fibroin mats. Biomaterials, 2004, 25, 1039-1047.	5.7	596
7	Water-Stable Silk Films with Reduced Î²-Sheet Content. Advanced Functional Materials, 2005, 15, 1241-1247.	7.8	553
8	Macrophage responses to silk. Biomaterials, 2003, 24, 3079-3085.	5.7	504
9	Microporous Carbon Nanoplates from Regenerated Silk Proteins for Supercapacitors. Advanced Materials, 2013, 25, 1993-1998.	11.1	480
10	Mechanical Properties of Electrospun Silk Fibers. Macromolecules, 2004, 37, 6856-6864.	2.2	297
11	Hierarchically Porous Carbon Nanosheets from Waste Coffee Grounds for Supercapacitors. ACS Applied Materials & Interfaces, 2015, 7, 3684-3690.	4.0	261
12	Biomaterial Films ofBombyxMoriSilk Fibroin with Poly(ethylene oxide). Biomacromolecules, 2004, 5, 711-717.	2.6	224
13	Nanofibrous Membranes Prepared by Multiwalled Carbon Nanotube/Poly(methyl methacrylate) Composites. Macromolecules, 2004, 37, 9899-9902.	2.2	223
14	Electrically Conductive Bacterial Cellulose by Incorporation of Carbon Nanotubes. Biomacromolecules, 2006, 7, 1280-1284.	2.6	206
15	Effects of sulfur doping on graphene-based nanosheets for use as anode materials in lithium-ion batteries. Journal of Power Sources, 2014, 262, 79-85.	4.0	203
16	Carbonization of a stable Î²-sheet-rich silk protein into a pseudographitic pyroprotein. Nature Communications, 2015, 6, 7145.	5.8	192
17	Advances in the Design of 3Dâ€Structured Electrode Materials for Lithiumâ€Metal Anodes. Advanced Materials, 2020, 32, e2002193.	11.1	165
18	Applications of Carbon Nanotubes for Lithium Ion Battery Anodes. Materials, 2013, 6, 1138-1158.	1.3	149

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19	Carbon Nanotube-Adsorbed Polystyrene and Poly(methyl methacrylate) Microspheres. Chemistry of Materials, 2005, 17, 4034-4037.	3.2	146
20	Reinforcing effects of adding alkylated graphene oxide to polypropylene. Carbon, 2011, 49, 3553-3559.	5.4	137
21	Sodiumâ€Ion Storage in Pyroproteinâ€Based Carbon Nanoplates. Advanced Materials, 2015, 27, 6914-6921.	11.1	120
22	Preparation of superhydrophobic polystyrene membranes by electrospinning. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 411-414.	2.3	119
23	Chemical and physical reinforcement behavior of dialdehyde nanocellulose in PVA composite film: A comparison of nanofiber and nanocrystal. Carbohydrate Polymers, 2020, 232, 115771.	5.1	108
24	Electrospinning of Poly(ethylene oxide) with Bacterial Cellulose Whiskers. Macromolecular Symposia, 2007, 249-250, 289-294.	0.4	107
25	Thermal and electrical properties of poly(l-lactide)-graft-multiwalled carbon nanotube composites. European Polymer Journal, 2007, 43, 1729-1735.	2.6	93
26	Modification and applications of bacterial celluloses in polymer science. Macromolecular Research, 2010, 18, 309-320.	1.0	93
27	Nylon 610 and carbon nanotube composite by in situ interfacial polymerization. Polymer, 2006, 47, 3961-3966.	1.8	92
28	Carbon Nanotube-Adsorbed Electrospun Nanofibrous Membranes of Nylon 6. Macromolecular Rapid Communications, 2006, 27, 146-151.	2.0	87
29	Regenerated bacterial cellulose/multi-walled carbon nanotubes composite fibers prepared by wet-spinning. Current Applied Physics, 2009, 9, e96-e99.	1.1	86
30	Aquatic polymer-based edible films of fish gelatin crosslinked with alginate dialdehyde having enhanced physicochemical properties. Carbohydrate Polymers, 2021, 254, 117317.	5.1	83
31	Hierarchically porous carbon nanofibers containing numerous heteroatoms forÂsupercapacitors. Journal of Power Sources, 2013, 234, 285-291.	4.0	82
32	Crumpled graphene paper for high power sodium battery anode. Carbon, 2016, 99, 658-664.	5.4	81
33	Chemical and physical reinforcement of hydrophilic gelatin film with di-aldehyde nanocellulose. International Journal of Biological Macromolecules, 2020, 146, 332-342.	3.6	80
34	Macroporous Catalytic Carbon Nanotemplates for Sodium Metal Anodes. Advanced Energy Materials, 2018, 8, 1701261.	10.2	79
35	Silk apatite composites from electrospun fibers. Journal of Materials Research, 2005, 20, 3374-3384.	1.2	76
36	Citrus-Peel-Derived, Nanoporous Carbon Nanosheets Containing Redox-Active Heteroatoms for Sodium-Ion Storage. ACS Applied Materials & Interfaces, 2016, 8, 3175-3181.	4.0	76

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37	Long-Lasting Nb₂O₅-Based Nanocomposite Materials for Li-Ion Storage. ACS Applied Materials & Interfaces, 2017, 9, 2267-2274.	4.0	75
38	Electrically conductive transparent papers using multiwalled carbon nanotubes. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1235-1242.	2.4	72
39	High-performance supercapacitors based on defect-engineered carbon nanotubes. Carbon, 2014, 80, 246-254.	5.4	68
40	Pseudocapacitive Effects of N-Doped Carbon Nanotube Electrodes in Supercapacitors. Materials, 2012, 5, 1258-1266.	1.3	67
41	Transparent conducting films based on graphene oxide/silver nanowire hybrids with high flexibility. Synthetic Metals, 2012, 162, 1364-1368.	2.1	67
42	Ultraâ€Thin Hollow Carbon Nanospheres for Pseudocapacitive Sodiumâ€Ion Storage. ChemElectroChem, 2015, 2, 359-365.	1.7	66
43	Multiple light scattering measurement and stability analysis of aqueous carbon nanotube dispersions. Journal of Physics and Chemistry of Solids, 2008, 69, 1209-1212.	1.9	64
44	Thermal and electrical conductivity of poly(l-lactide)/multiwalled carbon nanotube nanocomposites. Current Applied Physics, 2008, 8, 803-806.	1.1	62
45	Microporous carbon nanosheets with redox-active heteroatoms for pseudocapacitive charge storage. Nanoscale, 2015, 7, 15051-15058.	2.8	62
46	Porous graphene/carbon nanotube composite cathode for proton exchange membrane fuel cell. Synthetic Metals, 2011, 161, 2460-2465.	2.1	60
47	Difference of dispersion behavior between graphene oxide and oxidized carbon nanotubes in polar organic solvents. Current Applied Physics, 2012, 12, 637-642.	1.1	57
48	Conversion Reaction of Copper Sulfide Based Nanohybrids for Sodium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2017, 5, 9802-9808.	3.2	57
49	Transparent nanocomposites prepared by incorporating microbial nanofibrils into poly(l-lactic acid). Current Applied Physics, 2009, 9, S69-S71.	1.1	56
50	Waste coffee grounds-derived nanoporous carbon nanosheets for supercapacitors. Carbon Letters, 2016, 19, 66-71.	3.3	55
51	Multiwalled carbon nanotube cryogels with aligned and non-aligned porous structures. Polymer, 2009, 50, 2786-2792.	1.8	54
52	Ultra strong pyroprotein fibres with long-range ordering. Nature Communications, 2017, 8, 74.	5.8	51
53	Free-standing heterogeneous hybrid papers based on mesoporous Î³-MnO2 particles and carbon nanotubes for lithium-ion battery anodes. Journal of Power Sources, 2013, 244, 747-751.	4.0	50
54	Preparation of multiwalled carbon nanotubes incorporated silk fibroin nanofibers by electrospinning. Current Applied Physics, 2009, 9, S95-S97.	1.1	49

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55	Facile and green fabrication of silk sericin films reinforced with bamboo-derived cellulose nanofibrils. Journal of Cleaner Production, 2018, 200, 1034-1042.	4.6	47
56	Fluorescent silk fibroin nanoparticles prepared using a reverse microemulsion. Macromolecular Research, 2008, 16, 604-608.	1.0	46
57	Prevention of cellulose nanofibril agglomeration during dehydration and enhancement of redispersibility by hydrophilic gelatin. Cellulose, 2019, 26, 4357-4369.	2.4	46
58	Influence of cellulose nanofibers on the morphology and physical properties of poly(lactic acid) foaming by supercritical carbon dioxide. Macromolecular Research, 2013, 21, 529-533.	1.0	45
59	Restoration of thermally reduced graphene oxide by atomic-level selenium doping. NPG Asia Materials, 2016, 8, e338-e338.	3.8	45
60	Silk protein as a fascinating biomedical polymer: Structural fundamentals and applications. Macromolecular Research, 2009, 17, 935-942.	1.0	42
61	High and rapid alkali cation storage in ultramicroporous carbonaceous materials. Journal of Power Sources, 2016, 313, 142-151.	4.0	42
62	Pyroproteinâ€Based Electronic Textiles with High Stability. Advanced Materials, 2017, 29, 1605479.	11.1	42
63	Waste Beverage Coffee-Induced Hard Carbon Granules for Sodium-Ion Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 12734-12740.	3.2	41
64	Chain extension and biodegradation of poly(butylene succinate) with maleic acid units. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 2240-2246.	2.4	39
65	Synthesis of bacterial celluloses in multiwalled carbon nanotube-dispersed medium. Carbohydrate Polymers, 2009, 77, 457-463.	5.1	39
66	Magnetomotility of untethered helical soft robots. RSC Advances, 2019, 9, 11272-11280.	1.7	39
67	Thermal and mechanical properties of mandelic acid-copolymerized poly(butylene succinate) and poly(ethylene adipate). Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 1504-1511.	2.4	38
68	Pyroprotein-Derived Hard Carbon Fibers Exhibiting Exceptionally High Plateau Capacities for Sodium Ion Batteries. ACS Applied Energy Materials, 2019, 2, 1185-1191.	2.5	38
69	Porous carbon nanotube electrodes supported by natural polymeric membranes for PEMFC. Synthetic Metals, 2010, 160, 561-565.	2.1	37
70	pH-Sensitive Multiwalled Carbon Nanotube Dispersion with Silk Fibroins. Biomacromolecules, 2009, 10, 82-86.	2.6	35
71	Electrically conducting electrospun silk membranes fabricated by adsorption of carbon nanotubes. Colloid and Polymer Science, 2007, 285, 1163-1167.	1.0	34
72	Multiwalled Carbon Nanotubes-Embedded Electrospun Bacterial Cellulose Nanofibers. Molecular Crystals and Liquid Crystals, 2010, 519, 169-178.	0.4	34

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73	Carbon aerogels based on regenerated silk proteins and graphene oxide for supercapacitors. Macromolecular Research, 2014, 22, 509-514.	1.0	34
74	Anodeâ€Free Sodium Metal Batteries Based on Nanohybrid Coreâ€“Shell Templates. Small, 2019, 15, e1901274.	5.2	34
75	pH-Triggered transition of silk fibroin from spherical micelles to nanofibrils in water. Macromolecular Research, 2008, 16, 539-543.	1.0	33
76	Nylon 610/functionalized multiwalled carbon nanotubes composites by in situ interfacial polymerization. Materials Letters, 2007, 61, 2251-2254.	1.3	32
77	Preparation, properties and application of polyamide/carbon nanotube nanocomposites. Macromolecular Research, 2009, 17, 207-217.	1.0	32
78	Aspect ratio control of acid modified multiwalled carbon nanotubes. Current Applied Physics, 2010, 10, 1046-1052.	1.1	32
79	Amphichargeâ€Storable Pyropolymers Containing Multitiered Nanopores. Advanced Energy Materials, 2017, 7, 1700629.	10.2	32
80	Sulfur-Doped Carbon Nanotemplates for Sodium Metal Anodes. ACS Applied Energy Materials, 2018, 1, 1846-1852.	2.5	32
81	Properties of aliphatic polyesters withn-paraffinic side branches. Journal of Applied Polymer Science, 2000, 77, 547-555.	1.3	31
82	Asymmetric Energy Storage Devices Based on Surface-Driven Sodium-Ion Storage. ACS Sustainable Chemistry and Engineering, 2017, 5, 616-624.	3.2	30
83	Tin Sulfideâ€Based Nanohybrid for Highâ€Performance Anode of Sodiumâ€Ion Batteries. Small, 2017, 13, 1700767.	5.2	30
84	Synergistic catalytic effects of oxygen and nitrogen functional groups on active carbon electrodes for all-vanadium redox flow batteries. RSC Advances, 2017, 7, 43227-43232.	1.7	30
85	Location-selective incorporation of multiwalled carbon nanotubes in polycarbonate microspheres. Polymer, 2008, 49, 2071-2076.	1.8	29
86	Three-dimensionally branched carbon nanowebs as air-cathode for redox-mediated Li-O2 batteries. Carbon, 2017, 118, 114-119.	5.4	29
87	All-carbon-based cathode for a true high-energy-density Li-O2 battery. Carbon, 2017, 114, 311-316.	5.4	29
88	Highly efficient Cr(VI) remediation by cationic functionalized nanocellulose beads. Journal of Hazardous Materials, 2022, 426, 128078.	6.5	29
89	High-performance supercapacitors based on freestanding carbon-based composite paper electrodes. Journal of Power Sources, 2014, 246, 540-547.	4.0	28
90	Fallen-leaf-derived microporous pyropolymers for supercapacitors. Journal of Industrial and Engineering Chemistry, 2017, 45, 223-228.	2.9	28

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91	Polyaniline nanofiber-coated polystyrene/graphene oxide core-shell microsphere composites. Macromolecular Research, 2012, 20, 84-92.	1.0	27
92	Alkylated and restored graphene oxide nanoribbon-reinforced isotactic-polypropylene nanocomposites. Carbon, 2016, 108, 274-282.	5.4	27
93	Dispersion stability of chemically reduced graphene oxide nanoribbons in organic solvents. RSC Advances, 2016, 6, 19389-19393.	1.7	27
94	The effect of chitosan content on the crystallinity, thermal stability, and mechanical properties of bacterial celluloseâ€"chitosan composites. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2009, 223, 2225-2230.	1.1	26
95	Nitrogen-enriched multimodal porous carbons for supercapacitors, fabricated from inclusion complexes hosted by urea hydrates. RSC Advances, 2012, 2, 4353.	1.7	26
96	Electrochemical performance of heteroatom-enriched amorphous carbon with hierarchical porous structure as anode for lithium-ion batteries. Materials Letters, 2013, 108, 311-315.	1.3	26
97	Sodium-ion supercapacitors based on nanoporous pyroproteins containing redox-active heteroatoms. Journal of Power Sources, 2016, 329, 536-545.	4.0	26
98	Grafting of polystyrene branches to polyethylene and polypropylene. Journal of Applied Polymer Science, 2002, 83, 1103-1111.	1.3	25
99	Adsorption of multi-walled carbon nanotube onto poly(methyl methacrylate) microsphere and its electrorheology. Diamond and Related Materials, 2006, 15, 1094-1097.	1.8	25
100	Sericin-derived activated carbon-loaded alginate bead: An effective and recyclable natural polymer-based adsorbent for methylene blue removal. International Journal of Biological Macromolecules, 2018, 120, 906-914.	3.6	25
101	Unique surface morphology of electrospun polystyrene fibers from aN,N-dimethylformamide solution. Macromolecular Research, 2005, 13, 533-537.	1.0	24
102	Polyaniline/Silver Nanoparticle-Doped Multiwalled Carbon Nanotube Composites. Journal of Dispersion Science and Technology, 2012, 33, 750-755.	1.3	24
103	Magnesiophilic Graphitic Carbon Nanosubstrate for Highly Efficient and Fast-Rechargeable Mg Metal Batteries. ACS Applied Materials & Interfaces, 2019, 11, 38754-38761.	4.0	24
104	Effects of fluoroethylene carbonate-induced solid-electrolyte-interface layers on carbon-based anode materials for potassium ion batteries. Applied Surface Science, 2021, 547, 149193.	3.1	24
105	Cellulose nanowhisker-incorporated poly(lactic acid) composites for high thermal stability. Fibers and Polymers, 2013, 14, 1001-1005.	1.1	23
106	Synthesis and properties of poly(butylene succinate) withN-hexenyl side branches. Journal of Applied Polymer Science, 2001, 81, 2219-2226.	1.3	22
107	Dispersion of Pt Nanoparticle-Doped Reduced Graphene Oxide Using Aniline as a Stabilizer. Materials, 2012, 5, 2927-2936.	1.3	22
108	Enhanced mechanical properties of silk fibroin-based composite plates for fractured bone healing. Fibers and Polymers, 2013, 14, 266-270.	1.1	22

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109	Sulfur-doped, reduced graphene oxide nanoribbons for sodium-ion batteries. Materials Letters, 2017, 198, 106-109.	1.3	22
110	Electrolyteâ€Dependent Sodium Ion Transport Behaviors in Hard Carbon Anode. Small, 2020, 16, 2001053.	5.2	22
111	Solubility of 1-hexene in LLDPE synthesized by (2-MeInd)2ZrCl2/MAO and by Mg(OEt)2/DIBP/TiCl4-TEA. Journal of Applied Polymer Science, 2002, 84, 1566-1571.	1.3	21
112	Poly(methyl methacrylate)/multiwalled carbon nanotube microspheres fabricated via inâ€situ dispersion polymerization. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 182-189.	2.4	21
113	Flexible Graphene Stacks for Sodiumâ€Ion Storage. ChemElectroChem, 2017, 4, 716-720.	1.7	21
114	Pyrolytic Carbon Nanosheets for Ultrafast and Ultrastable Sodiumâ€Ion Storage. Small, 2018, 14, 1703043.	5.2	21
115	Understanding hydroscopic properties of silk fibroin and its use as a gate-dielectric in organic field-effect transistors. Organic Electronics, 2018, 59, 213-219.	1.4	21
116	Catalytic Pyroprotein Seed Layers for Sodium Metal Anodes. ACS Applied Materials & Interfaces, 2019, 11, 12401-12407.	4.0	21
117	3D-structured organic-inorganic hybrid solid-electrolyte-interface layers for Lithium metal anode. Energy Storage Materials, 2021, 37, 567-575.	9.5	21
118	Preparation and characterization of poly[(butylene succinate)-co-(butylene adipate)]/carbon nanotube-coated silk fiber composites. Polymer International, 2007, 56, 1035-1039.	1.6	19
119	Percolation of two-dimensional multiwall carbon nanotube networks. Applied Physics Letters, 2009, 95, 134104.	1.5	19
120	Enhanced impact properties of polylactide by poly(lactide-b-butadiene-b-lactide) triblock copolymer. Macromolecular Research, 2011, 19, 943-947.	1.0	19
121	Silk fibroin particles as templates for mineralization of calciumâ€deficient hydroxyapatite. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 2029-2034.	1.6	19
122	Carbon nanofibers prepared by the carbonization of self-assembled cellulose nanocrystals. Macromolecular Research, 2014, 22, 753-756.	1.0	19
123	Preparation and characterization of electrospun poly(l-lactic acid-co-succinic acid-co-1,4-butane diol) fibrous membranes. Macromolecular Research, 2005, 13, 73-79.	1.0	18
124	Dispersity and stability measurements of functionalized multiwalled carbon nanotubes in organic solvents. Current Applied Physics, 2009, 9, e100-e103.	1.1	18
125	Cellulose nanofiber-reinforced silk fibroin composite film with high transparency. Fibers and Polymers, 2014, 15, 215-219.	1.1	18
126	3D hierarchical porous carbons containing numerous nitrogen atoms as catalyst supports for PEMFCs. Synthetic Metals, 2012, 162, 2337-2341.	2.1	17

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127	Transparent conducting films based on nanofibrous polymeric membranes and singleâ€walled carbon nanotubes. Journal of Applied Polymer Science, 2009, 114, 2864-2872.	1.3	16
128	High-toughness natural polymer nonwoven preforms inspired by silkworm cocoon structure. International Journal of Biological Macromolecules, 2019, 127, 146-152.	3.6	16
129	Atomicâ€Distributed Coordination State of Metalâ€Phenolic Compounds Enabled Low Temperature Graphitization for Highâ€Performance Multioriented Graphite Anode. Small, 2020, 16, e2003104.	5.2	16
130	Copolymerization of ethylene/nonconjugated dienes over a Bis(2-methyl indenyl) zirconium dichloride/methylaluminoxane catalyst system. Journal of Applied Polymer Science, 2002, 84, 1048-1058.	1.3	15
131	Hierarchically nanoporous pyropolymer nanofibers for surface-induced sodium-ion storage. Electrochimica Acta, 2017, 242, 38-46.	2.6	15
132	Cationic surface-modified regenerated nanocellulose hydrogel for efficient Cr(VI) remediation. Carbohydrate Polymers, 2022, 278, 118930.	5.1	15
133	Critical role of silk fibroin secondary structure on the dielectric performances of organic thin-film transistors. RSC Advances, 2016, 6, 5907-5914.	1.7	14
134	Nanoconfinement effects of chemically reduced graphene oxide nanoribbons on poly(vinyl chloride). Nanoscale, 2018, 10, 2025-2033.	2.8	14
135	Thermal Properties of Poly(Îµ-Caprolactone)/Multiwalled Carbon Nanotubes Composites. Advanced Composite Materials, 2008, 17, 157-166.	1.0	13
136	Morphological effects of alkylated multiwalled carbon nanotubes on poly(L-lactic acid)-based composites. Macromolecular Research, 2010, 18, 828-833.	1.0	13
137	Promoting Helix-Rich Structure in Silk Fibroin Films through Molecular Interactions with Carbon Nanotubes and Selective Heating for Transparent Biodegradable Devices. ACS Applied Nano Materials, 2018, 1, 5441-5450.	2.4	13
138	Nano-patching defects of reduced graphene oxide by cellulose nanocrystals in scalable polymer nanocomposites. Carbon, 2020, 165, 18-25.	5.4	13
139	Improvement in Barrier Properties Using a Large Lateral Size of Exfoliated Graphene Oxide. Macromolecular Research, 2020, 28, 709-713.	1.0	13
140	Effect of cross-linkable bacterial cellulose nanocrystals on the physicochemical properties of silk sericin films. Polymer Testing, 2021, 97, 107161.	2.3	13
141	Silk Protein-Derived carbon fabric as an electrode with high Electro-Catalytic activity for All-Vanadium redox flow batteries. Applied Surface Science, 2021, 567, 150810.	3.1	13
142	High-performance solid-solution potassium-ion intercalation mechanism of multilayered turbostratic graphene nanosheets. Journal of Energy Chemistry, 2022, 67, 814-823.	7.1	13
143	Multiwalled Carbon Nanotube-Reinforced Poly(vinyl chloride). Macromolecular Symposia, 2007, 249-250, 259-264.	0.4	12
144	Electrically conductive transparent films based on nylon 6 membranes and single-walled carbon nanotubes. Current Applied Physics, 2010, 10, S468-S472.	1.1	12

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145	Enhanced dielectric properties of electrospun titanium dioxide/polyvinylidene fluoride nanofibrous composites. Fibers and Polymers, 2013, 14, 1521-1525.	1.1	12
146	Amorphous Carbon Nanotube/MnO₂/Graphene Oxide Ternary Composite Electrodes for Electrochemical Capacitors. Journal of Nanoscience and Nanotechnology, 2013, 13, 1765-1768.	0.9	12
147	Fluorous-inorganic hybrid dielectric materials for solution-processed electronic devices. New Journal of Chemistry, 2015, 39, 836-842.	1.4	12
148	Relationship between Multivalent Cation Charge Carriers and Organic Solvents on Nanoporous Carbons in 4ÂVâ€Window Magnesium Ion Supercapacitors. Advanced Energy Materials, 2021, 11, 2101054.	10.2	12
149	Flow-Induced Liquid Crystalline Solutions Prepared from Aspect Ratio-Controlled Bacterial Cellulose Nanowhiskers. Molecular Crystals and Liquid Crystals, 2010, 519, 141-148.	0.4	11
150	Nanoporous pyropolymer nanosheets fabricated from renewable bio-resources for supercapacitors. Journal of Industrial and Engineering Chemistry, 2016, 43, 158-163.	2.9	11
151	Nitrogen-Rich Magnetic Bio-Activated Carbon from Sericin: A Fast Removable and Easily Separable Superadsorbent for Anionic Dye Removal. Macromolecular Research, 2020, 28, 986-996.	1.0	11
152	Antioxidant and UV-blocking glucose-crosslinked sericin films with enhanced structural integrity. Reactive and Functional Polymers, 2021, 165, 104942.	2.0	11
153	Waste-induced pyrolytic carbon nanotube forest as a catalytic host electrode for high-performance aluminum metal anodes. Chemical Engineering Journal, 2022, 437, 135416.	6.6	11
154	High-performance Li-ion hybrid supercapacitors based on microporous pyropolymer nanoplates and orthorhombic Nb 2 O 5 nanocomposites. Journal of Industrial and Engineering Chemistry, 2018, 57, 284-289.	2.9	10
155	Surface-Modified Cellulose Nanocrystal-incorporated Poly(butylene succinate) Nanocomposites. Fibers and Polymers, 2018, 19, 1395-1402.	1.1	10
156	Effects of Carbon-Based Electrode Materials for Excess Sodium Metal Anode Engineered Rechargeable Sodium Batteries. ACS Sustainable Chemistry and Engineering, 2020, 8, 17697-17706.	3.2	10
157	Potassium-ion storage behavior of microstructure-engineered hard carbons. Journal of Materials Chemistry A, 2022, 10, 2055-2063.	5.2	10
158	Polystyrene composites containing crosslinked polystyreneâ€multiwalled carbon nanotube balls. Journal of Applied Polymer Science, 2008, 110, 3737-3744.	1.3	9
159	Incorporation of multiwalled carbon nanotubes on the surface of polystyrene microspheres via In Situ suspension polymerization. Macromolecular Research, 2011, 19, 227-232.	1.0	9
160	High-performance nanohybrid anode based on FeS2 nanocubes and nitrogen-rich graphene oxide nanoribbons for sodium ion batteries. Journal of Industrial and Engineering Chemistry, 2020, 81, 61-66.	2.9	9
161	Unveiling the pseudocapacitive effects of ultramesopores on nanoporous carbon. Applied Surface Science, 2021, 537, 148037.	3.1	9
162	Sulfur-enriched, hierarchically nanoporous carbonaceous materials for sodium-ion storage. Synthetic Metals, 2015, 210, 357-362.	2.1	8

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163	Energy storage capabilities of nitrogen-enriched pyropolymer nanoparticles fabricated through rapid pyrolysis. Journal of Power Sources, 2016, 331, 507-514.	4.0	8
164	Quantitative characterization of a voltage-dependent pseudocapacitance on heteroatom-enriched nanoporous carbons. Electrochimica Acta, 2019, 302, 71-77.	2.6	8
165	Multiscale Hybridization of Natural Silkâ€“Nanocellulose Fibrous Composites With Exceptional Mechanical Properties. Frontiers in Materials, 2020, 7, .	1.2	8
166	Microspherical Poly(methyl methacrylate)/Multiwalled Carbon Nanotube Composites Prepared via In Situ Dispersion Polymerization. Journal of Nanoscience and Nanotechnology, 2007, 7, 4045-4048.	0.9	7
167	Preparation of carbon nanotubes-incorporated polymeric microspheres for electrorheological fluids. Current Applied Physics, 2008, 8, 807-809.	1.1	7
168	Synthesis and Electrorheological Response of Graphene Oxide/Polydiphenylamine Microsheet Composite Particles. Polymers, 2020, 12, 1984.	2.0	7
169	Dual Electrorheological and Magnetorheological Behaviors of Poly(N-methyl aniline) Coated ZnFe2O4 Composite Particles. Materials, 2022, 15, 2677.	1.3	7
170	Nanoconfinement effect of nanoporous carbon electrodes for ionic liquid-based aluminum metal anode. Journal of Energy Chemistry, 2022, 74, 121-127.	7.1	7
171	Preparation of Aspect Ratio-Controlled Carbon Nanotubes. Molecular Crystals and Liquid Crystals, 2009, 510, 79/[1213]-86/[1220].	0.4	6
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