

Chaoji Chen

List of Publications by Citations

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142
papers

14,451
citations

67
h-index

119
g-index

150
ext. papers

18,869
ext. citations

16.7
avg, IF

6.99
L-index

#	Paper	IF	Citations
142	Na(+) intercalation pseudocapacitance in graphene-coupled titanium oxide enabling ultra-fast sodium storage and long-term cycling. <i>Nature Communications</i> , 2015 , 6, 6929	17.4	834
141	Processing bulk natural wood into a high-performance structural material. <i>Nature</i> , 2018 , 554, 224-228	50.4	558
140	All-wood, low tortuosity, aqueous, biodegradable supercapacitors with ultra-high capacitance. <i>Energy and Environmental Science</i> , 2017 , 10, 538-545	35.4	451
139	Highly Flexible and Efficient Solar Steam Generation Device. <i>Advanced Materials</i> , 2017 , 29, 1701756	24	424
138	Challenges and Opportunities for Solar Evaporation. <i>Joule</i> , 2019 , 3, 683-718	27.8	420
137	A radiative cooling structural material. <i>Science</i> , 2019 , 364, 760-763	33.3	419
136	3D-Printed, All-in-One Evaporator for High-Efficiency Solar Steam Generation under 1 Sun Illumination. <i>Advanced Materials</i> , 2017 , 29, 1700981	24	387
135	A Hierarchical N/S-Codoped Carbon Anode Fabricated Facilely from Cellulose/Polyaniline Microspheres for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2016 , 6, 1501929	21.8	378
134	A High-Performance Self-Regenerating Solar Evaporator for Continuous Water Desalination. <i>Advanced Materials</i> , 2019 , 31, e1900498	24	336
133	High-capacity, low-tortuosity, and channel-guided lithium metal anode. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3584-3589	11.5	331
132	Nitrogen-rich hard carbon as a highly durable anode for high-power potassium-ion batteries. <i>Energy Storage Materials</i> , 2017 , 8, 161-168	19.4	316
131	Nature-inspired salt resistant bimodal porous solar evaporator for efficient and stable water desalination. <i>Energy and Environmental Science</i> , 2019 , 12, 1558-1567	35.4	269
130	Muscle-Inspired Highly Anisotropic, Strong, Ion-Conductive Hydrogels. <i>Advanced Materials</i> , 2018 , 30, e1801934	24	257
129	Scalable and Highly Efficient Mesoporous Wood-Based Solar Steam Generation Device: Localized Heat, Rapid Water Transport. <i>Advanced Functional Materials</i> , 2018 , 28, 1707134	15.6	254
128	Flexible membranes of MoS ₂ /C nanofibers by electrospinning as binder-free anodes for high-performance sodium-ion batteries. <i>Scientific Reports</i> , 2015 , 5, 9254	4.9	235
127	Lightweight, Mesoporous, and Highly Absorptive All-Nanofiber Aerogel for Efficient Solar Steam Generation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1104-1112	9.5	227
126	Graphene oxide-based evaporator with one-dimensional water transport enabling high-efficiency solar desalination. <i>Nano Energy</i> , 2017 , 41, 201-209	17.1	226

125	Thick Electrode Batteries: Principles, Opportunities, and Challenges. <i>Advanced Energy Materials</i> , 2019 , 9, 1901457	21.8	221
124	Structure-property-function relationships of natural and engineered wood. <i>Nature Reviews Materials</i> , 2020 , 5, 642-666	73.3	220
123	Highly Compressible, Anisotropic Aerogel with Aligned Cellulose Nanofibers. <i>ACS Nano</i> , 2018 , 12, 140-147	47.7	215
122	Developing fibrillated cellulose as a sustainable technological material. <i>Nature</i> , 2021 , 590, 47-56	50.4	213
121	Anisotropic, lightweight, strong, and super thermally insulating nanowood with naturally aligned nanocellulose. <i>Science Advances</i> , 2018 , 4, eaar3724	14.3	204
120	Encapsulation of Metallic Na in an Electrically Conductive Host with Porous Channels as a Highly Stable Na Metal Anode. <i>Nano Letters</i> , 2017 , 17, 3792-3797	11.5	191
119	3D-Printed All-Fiber Li-Ion Battery toward Wearable Energy Storage. <i>Advanced Functional Materials</i> , 2017 , 27, 1703140	15.6	184
118	High-Performance Solar Steam Device with Layered Channels: Artificial Tree with a Reversed Design. <i>Advanced Energy Materials</i> , 2018 , 8, 1701616	21.8	174
117	Scalable and Sustainable Approach toward Highly Compressible, Anisotropic, Lamellar Carbon Sponge. <i>Chem</i> , 2018 , 4, 544-554	16.2	167
116	Three-Dimensional Printed Thermal Regulation Textiles. <i>ACS Nano</i> , 2017 , 11, 11513-11520	16.7	165
115	Flexible and Binder-Free Electrodes of Sb/rGO and Na ₃ V ₂ (PO ₄) ₃ /rGO Nanocomposites for Sodium-Ion Batteries. <i>Small</i> , 2015 , 11, 3822-9	11	164
114	Highly Conductive, Lightweight, Low-Tortuosity Carbon Frameworks as Ultrathick 3D Current Collectors. <i>Advanced Energy Materials</i> , 2017 , 7, 1700595	21.8	156
113	3D Wettable Framework for Dendrite-Free Alkali Metal Anodes. <i>Advanced Energy Materials</i> , 2018 , 8, 1800635	26.35	155
112	Nanocellulose toward Advanced Energy Storage Devices: Structure and Electrochemistry. <i>Accounts of Chemical Research</i> , 2018 , 51, 3154-3165	24.3	152
111	Highly porous Li ₄ Ti ₅ O ₁₂ /C nanofibers for ultrafast electrochemical energy storage. <i>Nano Energy</i> , 2014 , 10, 163-171	17.1	150
110	High Performance, Flexible, Solid-State Supercapacitors Based on a Renewable and Biodegradable Mesoporous Cellulose Membrane. <i>Advanced Energy Materials</i> , 2017 , 7, 1700739	21.8	141
109	A carbon-based 3D current collector with surface protection for Li metal anode. <i>Nano Research</i> , 2017 , 10, 1356-1365	10	139
108	Integrated Intercalation-Based and Interfacial Sodium Storage in Graphene-Wrapped Porous Li ₄ Ti ₅ O ₁₂ Nanofibers Composite Aerogel. <i>Advanced Energy Materials</i> , 2016 , 6, 1600322	21.8	127

107	NASICON-Structured NaTi ₂ (PO ₄) ₃ @C Nanocomposite as the Low Operation-Voltage Anode Material for High-Performance Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2238-46	9.5	124
106	Sandwich-like Ni ₂ P nanoarray/nitrogen-doped graphene nanoarchitecture as a high-performance anode for sodium and lithium ion batteries. <i>Energy Storage Materials</i> , 2018 , 15, 234-241	19.4	122
105	TiN as a simple and efficient polysulfide immobilizer for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17711-17717	13	122
104	Narrow bandgap semiconductor decorated wood membrane for high-efficiency solar-assisted water purification. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18839-18846	13	121
103	Enabling High-Areal-Capacity Lithium-Sulfur Batteries: Designing Anisotropic and Low-Tortuosity Porous Architectures. <i>ACS Nano</i> , 2017 , 11, 4801-4807	16.7	113
102	Hierarchically Porous, Ultrathick, Breathable Wood-Derived Cathode for Lithium-Oxygen Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1701203	21.8	109
101	Conductive Cellulose Nanofiber Enabled Thick Electrode for Compact and Flexible Energy Storage Devices. <i>Advanced Energy Materials</i> , 2018 , 8, 1802398	21.8	108
100	Three-Dimensional, Solid-State Mixed Electron-Ion Conductive Framework for Lithium Metal Anode. <i>Nano Letters</i> , 2018 , 18, 3926-3933	11.5	108
99	Conformal N-doped carbon on nanoporous TiO ₂ spheres as a high-performance anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10375	13	103
98	A Dynamic Gel with Reversible and Tunable Topological Networks and Performances. <i>Matter</i> , 2020 , 2, 390-403	12.7	98
97	Transparent, Anisotropic Biofilm with Aligned Bacterial Cellulose Nanofibers. <i>Advanced Functional Materials</i> , 2018 , 28, 1707491	15.6	96
96	3D-Printed Graphene Oxide Framework with Thermal Shock Synthesized Nanoparticles for Li-CO ₂ Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1805899	15.6	95
95	Scalable, anisotropic transparent paper directly from wood for light management in solar cells. <i>Nano Energy</i> , 2017 , 36, 366-373	17.1	90
94	Cellulose-Nanofiber-Enabled 3D Printing of a Carbon-Nanotube Microfiber Network. <i>Small Methods</i> , 2017 , 1, 1700222	12.8	89
93	Superflexible Wood. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23520-23527	9.5	88
92	Lignin as a Wood-Inspired Binder Enabled Strong, Water Stable, and Biodegradable Paper for Plastic Replacement. <i>Advanced Functional Materials</i> , 2020 , 30, 1906307	15.6	87
91	A nanofluidic ion regulation membrane with aligned cellulose nanofibers. <i>Science Advances</i> , 2019 , 5, eaau4238	14.38	81
90	3D interconnected porous NiMoO ₄ nanoplate arrays on Ni foam as high-performance binder-free electrode for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22081-22087	13	81

89	Transient, in situ synthesis of ultrafine ruthenium nanoparticles for a high-rate Li ₂ O ₂ battery. <i>Energy and Environmental Science</i> , 2019 , 12, 1100-1107	35.4	77
88	A strategy of selective and dendrite-free lithium deposition for lithium batteries. <i>Nano Energy</i> , 2017 , 42, 262-268	17.1	75
87	From Wood to Textiles: Top-Down Assembly of Aligned Cellulose Nanofibers. <i>Advanced Materials</i> , 2018 , 30, e1801347	24	75
86	In Operando Mechanism Analysis on Nanocrystalline Silicon Anode Material for Reversible and Ultrafast Sodium Storage. <i>Advanced Materials</i> , 2017 , 29, 1604708	24	75
85	Nature-Inspired Tri-Pathway Design Enabling High-Performance Flexible Li ₂ O ₂ Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1802964	21.8	74
84	A strong, biodegradable and recyclable lignocellulosic bioplastic. <i>Nature Sustainability</i> , 2021 , 4, 627-635	22.1	74
83	Flexible lithium ₂ O ₂ battery with ultrahigh capacity and stable cycling. <i>Energy and Environmental Science</i> , 2018 , 11, 3231-3237	35.4	74
82	3D lithium metal anodes hosted in asymmetric garnet frameworks toward high energy density batteries. <i>Energy Storage Materials</i> , 2018 , 14, 376-382	19.4	73
81	All-in-one lithium-sulfur battery enabled by a porous-dense-porous garnet architecture. <i>Energy Storage Materials</i> , 2018 , 15, 458-464	19.4	73
80	Facile fabrication of CuO nanosheets on Cu substrate as anode materials for electrochemical energy storage. <i>Journal of Alloys and Compounds</i> , 2014 , 586, 208-215	5.7	72
79	Controllable growth of TiO ₂ -B nanosheet arrays on carbon nanotubes as a high-rate anode material for lithium-ion batteries. <i>Carbon</i> , 2014 , 69, 302-310	10.4	71
78	Scalable aesthetic transparent wood for energy efficient buildings. <i>Nature Communications</i> , 2020 , 11, 3836	17.4	71
77	Clear Wood toward High-Performance Building Materials. <i>ACS Nano</i> , 2019 , 13, 9993-10001	16.7	70
76	A Strong, Tough, and Scalable Structural Material from Fast-Growing Bamboo. <i>Advanced Materials</i> , 2020 , 32, e1906308	24	69
75	Coordination of Surface-Induced Reaction and Intercalation: Toward a High-Performance Carbon Anode for Sodium-Ion Batteries. <i>Advanced Science</i> , 2017 , 4, 1600500	13.6	64
74	Bioinspired Solar-Heated Carbon Absorbent for Efficient Cleanup of Highly Viscous Crude Oil. <i>Advanced Functional Materials</i> , 2019 , 29, 1900162	15.6	64
73	Dense, Self-Formed Char Layer Enables a Fire-Retardant Wood Structural Material. <i>Advanced Functional Materials</i> , 2019 , 29, 1807444	15.6	63
72	Textile Inspired Lithium-Oxygen Battery Cathode with Decoupled Oxygen and Electrolyte Pathways. <i>Advanced Materials</i> , 2018 , 30, 1704907	24	63

71	Nanocellulose-based films and their emerging applications. <i>Current Opinion in Solid State and Materials Science</i> , 2019 , 23, 100764	12	62
70	Nanocellulose-Enabled, All-Nanofiber, High-Performance Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5919-5927	9.5	60
69	Highly Anisotropic Conductors. <i>Advanced Materials</i> , 2017 , 29, 1703331	24	57
68	All Natural, High Efficient Groundwater Extraction via Solar Steam/Vapor Generation. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1800055	5.9	56
67	Architecting a Floatable, Durable, and Scalable Steam Generator: Hydrophobic/Hydrophilic Bifunctional Structure for Solar Evaporation Enhancement. <i>Small Methods</i> , 2019 , 3, 1800176	12.8	54
66	TiO ₂ -B nanosheets/anatase nanocrystals co-anchored on nanoporous graphene: in situ reduction-hydrolysis synthesis and their superior rate performance as an anode material. <i>Chemistry - A European Journal</i> , 2014 , 20, 1383-8	4.8	53
65	Conductive Wood for High-Performance Structural Electromagnetic Interference Shielding. <i>Chemistry of Materials</i> , 2020 , 32, 5280-5289	9.6	52
64	A printed, recyclable, ultra-strong, and ultra-tough graphite structural material. <i>Materials Today</i> , 2019 , 30, 17-25	21.8	51
63	A Clear, Strong, and Thermally Insulated Transparent Wood for Energy Efficient Windows. <i>Advanced Functional Materials</i> , 2020 , 30, 1907511	15.6	50
62	General, Vertical, Three-Dimensional Printing of Two-Dimensional Materials with Multiscale Alignment. <i>ACS Nano</i> , 2019 , 13, 12653-12661	16.7	49
61	Salinity-Gradient Power Generation with Ionized Wood Membranes. <i>Advanced Energy Materials</i> , 2020 , 10, 1902590	21.8	47
60	Architectural design and phase engineering of N/B-codoped TiO ₂ (B)/anatase nanotube assemblies for high-rate and long-life lithium storage. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22591-22598	13	46
59	In Situ Chainmail Catalyst Assembly in Low-Tortuosity, Hierarchical Carbon Frameworks for Efficient and Stable Hydrogen Generation. <i>Advanced Energy Materials</i> , 2018 , 8, 1801289	21.8	44
58	Binding TiO ₂ -B nanosheets with N-doped carbon enables highly durable anodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8172-8179	13	43
57	A Highly Conductive Cationic Wood Membrane. <i>Advanced Functional Materials</i> , 2019 , 29, 1902772	15.6	42
56	Bismuth oxyiodide nanosheets: a novel high-energy anode material for lithium-ion batteries. <i>Chemical Communications</i> , 2015 , 51, 2798-801	5.8	41
55	Synthesis of Metal Oxide Nanoparticles by Rapid, High-Temperature 3D Microwave Heating. <i>Advanced Functional Materials</i> , 2019 , 29, 1904282	15.6	40
54	Facile synthesis of bimodal porous graphitic carbon nitride nanosheets as efficient photocatalysts for hydrogen evolution. <i>Nano Energy</i> , 2018 , 50, 376-382	17.1	40

53	All-Natural, Degradable, Rolled-Up Straws Based on Cellulose Micro- and Nano-Hybrid Fibers. <i>Advanced Functional Materials</i> , 2020 , 30, 1910417	15.6	38
52	Selectively aligned cellulose nanofibers towards high-performance soft actuators. <i>Extreme Mechanics Letters</i> , 2019 , 29, 100463	3.9	37
51	Fire-Resistant Structural Material Enabled by an Anisotropic Thermally Conductive Hexagonal Boron Nitride Coating. <i>Advanced Functional Materials</i> , 2020 , 30, 1909196	15.6	37
50	Rapid Processing of Whole Bamboo with Exposed, Aligned Nanofibrils toward a High-Performance Structural Material. <i>ACS Nano</i> , 2020 , 14, 5194-5202	16.7	36
49	Synthesis of Hierarchically Porous Sandwich-Like Carbon Materials for High-Performance Supercapacitors. <i>Chemistry - A European Journal</i> , 2016 , 22, 16863-16871	4.8	36
48	Highly Elastic Hydrated Cellulosic Materials with Durable Compressibility and Tunable Conductivity. <i>ACS Nano</i> , 2020 ,	16.7	35
47	Uniform, Scalable, High-Temperature Microwave Shock for Nanoparticle Synthesis through Defect Engineering. <i>Matter</i> , 2019 , 1, 759-769	12.7	34
46	Flexible Solid-State Electrolyte with Aligned Nanostructures Derived from Wood 2019 , 1, 354-361		34
45	Anisotropic, Mesoporous Microfluidic Frameworks with Scalable, Aligned Cellulose Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7362-7370	9.5	33
44	High-Performance, Scalable Wood-Based Filtration Device with a Reversed-Tree Design. <i>Chemistry of Materials</i> , 2020 , 32, 1887-1895	9.6	29
43	Single-digit-micrometer thickness wood speaker. <i>Nature Communications</i> , 2019 , 10, 5084	17.4	28
42	Ionic-Liquid-Assisted Synthesis of Self-Assembled TiO ₂ -B Nanosheets under Microwave Irradiation and Their Enhanced Lithium Storage Properties. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5320-5328	2.3	28
41	An Energy-Efficient, Wood-Derived Structural Material Enabled by Pore Structure Engineering towards Building Efficiency. <i>Small Methods</i> , 2020 , 4, 1900747	12.8	28
40	Reed Leaves Inspired Silica Nanofibrous Aerogels with Parallel-Arranged Vessels for Salt-Resistant Solar Desalination. <i>ACS Nano</i> , 2021 ,	16.7	28
39	Solar-assisted fabrication of large-scale, patternable transparent wood. <i>Science Advances</i> , 2021 , 7,	14.3	28
38	Holey three-dimensional wood-based electrode for vanadium flow batteries. <i>Energy Storage Materials</i> , 2020 , 27, 327-332	19.4	27
37	A strong, flame-retardant, and thermally insulating wood laminate. <i>Chemical Engineering Journal</i> , 2020 , 383, 123109	14.7	27
36	In Situ Lignin Modification toward Photonic Wood. <i>Advanced Materials</i> , 2021 , 33, e2001588	24	27

35	Highly Efficient Water Treatment via a Wood-Based and Reusable Filter 2020 , 2, 430-437		24
34	Biomaterial-assisted synthesis of AgCl@Ag concave cubes with efficient visible-light-driven photocatalytic activity. <i>CrystEngComm</i> , 2014 , 16, 649-653	3.3	24
33	Nanoscale Ion Regulation in Wood-Based Structures and Their Device Applications. <i>Advanced Materials</i> , 2021 , 33, e2002890	24	24
32	Self-assembled 3D hierarchical sheaf-like Nb ₃ O ₇ (OH) nanostructures with enhanced photocatalytic activity. <i>Nanoscale</i> , 2015 , 7, 1963-9	7.7	20
31	Decoupling Ionic and Electronic Pathways in Low-Dimensional Hybrid Conductors. <i>Journal of the American Chemical Society</i> , 2019 , 141, 17830-17837	16.4	20
30	Precision Imprinted Nanostructural Wood. <i>Advanced Materials</i> , 2019 , 31, e1903270	24	20
29	Rational synthesis of carbon-coated hollow Ge nanocrystals with enhanced lithium-storage properties. <i>Nanoscale</i> , 2016 , 8, 12215-20	7.7	19
28	Lightweight, strong, moldable wood via cell wall engineering as a sustainable structural material. <i>Science</i> , 2021 , 374, 465-471	33.3	18
27	Stamping Flexible Li Alloy Anodes. <i>Advanced Materials</i> , 2021 , 33, e2005305	24	16
26	Strong, Water-Stable Ionic Cable from Bio-Hydrogel. <i>Chemistry of Materials</i> , 2019 , 31, 9288-9294	9.6	15
25	A self-buffering structure for application in high-performance sodium-ion batteries. <i>Energy Storage Materials</i> , 2018 , 15, 242-248	19.4	14
24	In Situ Wood Delignification toward Sustainable Applications. <i>Accounts of Materials Research</i> , 2021 , 2, 606-620	7.5	14
23	Phase control of TiO ₂ nanobelts by microwave irradiation as anode materials with tunable Li-diffusion kinetics. <i>Materials Research Bulletin</i> , 2017 , 96, 365-371	5.1	13
22	Microwave-assisted synthesis of self-assembled Bi _{0.84} H _{0.08} hierarchical nanostructures as a new photocatalyst. <i>Applied Surface Science</i> , 2014 , 319, 244-249	6.7	13
21	Tailoring grain growth and densification toward a high-performance solid-state electrolyte membrane. <i>Materials Today</i> , 2021 , 42, 41-48	21.8	13
20	Granadilla-Inspired Structure Design for Conversion/Alloy-Reaction Electrode with Integrated Lithium Storage Behaviors. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 15470-15476	9.5	11
19	A Stiffness-Switchable, Biomimetic Smart Material Enabled by Supramolecular Reconfiguration.. <i>Advanced Materials</i> , 2021 , e2107857	24	11
18	Scalable Synthesis of High Entropy Alloy Nanoparticles by Microwave Heating. <i>ACS Nano</i> , 2021 , 15, 14928-14937	26.1	11

17	Scalable Wood Hydrogel Membrane with Nanoscale Channels. <i>ACS Nano</i> , 2021 ,	16.7	10
16	Sustainable high-strength macrofibres extracted from natural bamboo. <i>Nature Sustainability</i> , 2022 , 5, 235-244	22.1	10
15	Thermal Shock Synthesis of Nanocatalyst by 3D-Printed Miniaturized Reactors. <i>Small</i> , 2020 , 16, e2000509	11	9
14	Strong and Superhydrophobic Wood with Aligned Cellulose Nanofibers as a Waterproof Structural Material. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 823-829	4.9	9
13	Sandwich-like NiP nanoarray/nitrogen-doped graphene nanoarchitecture as a high-performance anode for sodium and lithium ion batteries. <i>Data in Brief</i> , 2018 , 20, 1999-2002	1.2	9
12	Super Elastic and Thermally Insulating Carbon Aerogel: Go Tubular Like Polar Bear Hair. <i>Matter</i> , 2019 , 1, 36-38	12.7	7
11	Shape-driven arrest of coffee stain effect drives the fabrication of carbon-nanotube-graphene-oxide inks for printing embedded structures and temperature sensors. <i>Nanoscale</i> , 2019 , 11, 23402-23415	7.7	7
10	Janus Fibrous Mats Based Suspended Type Evaporator for Salt Resistant Solar Desalination and Salt Recovery.. <i>Small</i> , 2022 , e2107156	11	6
9	Catalyst-Free Carbon Nanotube Growth in Confined Space High Temperature Gradient. <i>Research</i> , 2018 , 2018, 1793784	7.8	6
8	One-Step, Catalyst-Free, Scalable in Situ Synthesis of Single-Crystal Aluminum Nanowires in Confined Graphene Space. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6009-6014	9.5	6
7	Extremely strong and tough chitosan films mediated by unique hydrated chitosan crystal structures. <i>Materials Today</i> , 2021 , 51, 27-27	21.8	5
6	3D-Printed, High-Porosity, High-Strength Graphite Aerogel.. <i>Small Methods</i> , 2021 , 5, e2001188	12.8	5
5	Continuous Fly-Through High-Temperature Synthesis of Nanocatalysts. <i>Nano Letters</i> , 2021 , 21, 4517-4523	11.5	2
4	A bio-inspired, hierarchically porous structure with a decoupled fluidic transportation and evaporative pathway toward high-performance evaporation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 9745-9752	13	2
3	Wood Ionic Cable. <i>Small</i> , 2021 , 17, e2008200	11	2
2	Potential of Zero Charge Regulating Highly Selective Removal of Nitrate Anions through Capacitive Deionization. <i>Chemical Engineering Journal</i> , 2022 , 136287	14.7	0
1	A low-corrosivity structural timber. <i>Cell Reports Physical Science</i> , 2022 , 100921	6.1	0