

Chao Jia

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

4,550
citations

30
h-index

59
g-index

59
ext. papers

5,893
ext. citations

12.5
avg, IF

5.51
L-index

#	Paper	IF	Citations
53	Flexible Ceramic Fibers: Recent Development in Preparation and Application.. <i>Advanced Fiber Materials</i> , 2022 , 1-31	10.9	4
52	Lignin hydrogel-based solar-driven evaporator for cost-effective and highly efficient water purification. <i>Desalination</i> , 2022 , 531, 115706	10.3	3
51	Ultra-fast bacterial inactivation of Cu ₂ O@halloysite nanotubes hybrids with charge adsorption and physical piercing ability for medical protective fabrics. <i>Journal of Materials Science and Technology</i> , 2022 , 122, 1-9	9.1	0
50	Mass Production of Ultrafine Fibers by a Versatile Solution Blow Spinning Method. <i>Accounts of Materials Research</i> , 2021 , 2, 432-446	7.5	8
49	Free-Standing Ultrafine Nanofiber Papers with High PM Mechanical Filtration Efficiency by Scalable Blow and Electro-Blow Spinning. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34773-34781	9.5	3
48	Molecular Weight Discrete Distribution-Induced Orientation of High-Strength Copolyamide Fibers: Effects of Component Proportion and Molecular Weight. <i>Macromolecules</i> , 2021 , 54, 7529-7539	5.5	3
47	Thermal-responsive, super-strong, ultrathin firewalls for quenching thermal runaway in high-energy battery modules. <i>Energy Storage Materials</i> , 2021 , 40, 329-336	19.4	13
46	A Foldable All-Ceramic Air Filter Paper with High Efficiency and High-Temperature Resistance. <i>Nano Letters</i> , 2020 , 20, 4993-5000	11.5	27
45	A large-area AgNW-modified textile with high-performance electromagnetic interference shielding. <i>Npj Flexible Electronics</i> , 2020 , 4,	10.7	26
44	Large-scale blow spinning of heat-resistant nanofibrous air filters. <i>Nano Research</i> , 2020 , 13, 861-867	10	19
43	Solution-blow spun PLA/SiO ₂ nanofiber membranes toward high efficiency oil/water separation. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49103	2.9	16
42	High-Performance, Scalable Wood-Based Filtration Device with a Reversed-Tree Design. <i>Chemistry of Materials</i> , 2020 , 32, 1887-1895	9.6	29
41	Nanocomposites membranes from cellulose nanofibers, SiO and carboxymethyl cellulose with improved properties. <i>Carbohydrate Polymers</i> , 2020 , 233, 115818	10.3	12
40	Highly compressible and anisotropic lamellar ceramic sponges with superior thermal insulation and acoustic absorption performances. <i>Nature Communications</i> , 2020 , 11, 3732	17.4	64
39	A Flexible, Robust, and Gel-Free Electroencephalogram Electrode for Noninvasive Brain-Computer Interfaces. <i>Nano Letters</i> , 2019 , 19, 6853-6861	11.5	80
38	Clear Wood toward High-Performance Building Materials. <i>ACS Nano</i> , 2019 , 13, 9993-10001	16.7	70
37	Observation and implication of halide exchange beyond CsPbX perovskite nanocrystals. <i>Nanoscale</i> , 2019 , 11, 3123-3128	7.7	11

36	Carboxymethyl Cellulose Nanofibrils with a Treelike Matrix: Preparation and Behavior of Pickering Emulsions Stabilization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 12887-12896	8.3	21
35	Low-cost and robust production of multi-doped 2D carbon nanosheets for high-performance lithium-ion capacitors. <i>Chemical Engineering Journal</i> , 2019 , 370, 508-517	14.7	16
34	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
33	Direct Blow Spinning of Flexible and Transparent Ag Nanofiber Heater. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900045	6.8	12
32	Bioinspired Solar-Heated Carbon Absorbent for Efficient Cleanup of Highly Viscous Crude Oil. <i>Advanced Functional Materials</i> , 2019 , 29, 1900162	15.6	64
31	A nanofluidic ion regulation membrane with aligned cellulose nanofibers. <i>Science Advances</i> , 2019 , 5, eaau4238	14.3	81
30	All Natural, High Efficient Groundwater Extraction via Solar Steam/Vapor Generation. <i>Advanced Sustainable Systems</i> , 2019 , 3, 1800055	5.9	56
29	Fe ₃ O ₄ /Nitrogen-Doped Carbon Electrodes from Tailored Thermal Expansion toward Flexible Solid-State Asymmetric Supercapacitors. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901250	4.6	5
28	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
27	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
26	Anisotropic, lightweight, strong, and super thermally insulating nanowood with naturally aligned nanocellulose. <i>Science Advances</i> , 2018 , 4, eaar3724	14.3	204
25	Anisotropic, Mesoporous Microfluidic Frameworks with Scalable, Aligned Cellulose Nanofibers. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 7362-7370	9.5	33
24	Facile synthesis of magnetic fluorescent nanoparticles: adsorption and selective detection of Hg(II) in water. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2360-2369	7.1	24
23	Isotropic Paper Directly from Anisotropic Wood: Top-Down Green Transparent Substrate Toward Biodegradable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 28566-28571	9.5	49
22	Muscle-Inspired Highly Anisotropic, Strong, Ion-Conductive Hydrogels. <i>Advanced Materials</i> , 2018 , 30, e1801934	24	257
21	From Wood to Textiles: Top-Down Assembly of Aligned Cellulose Nanofibers. <i>Advanced Materials</i> , 2018 , 30, e1801347	24	75
20	Chemical Synthesis and Applications of Colloidal Metal Phosphide Nanocrystals. <i>Frontiers in Chemistry</i> , 2018 , 6, 652	5	15
19	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

18	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
17	CsPbX/CsPbX core/shell perovskite nanocrystals. <i>Chemical Communications</i> , 2018 , 54, 6300-6303	5.8	69
16	Biomass-based O, N-codoped activated carbon aerogels with ultramicropores for supercapacitors. <i>Journal of Materials Science</i> , 2018 , 53, 12374-12387	4.3	37
15	Scalable, anisotropic transparent paper directly from wood for light management in solar cells. <i>Nano Energy</i> , 2017 , 36, 366-373	17.1	90
14	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
13	Cellulosic Biomass-Reinforced Polyvinylidene Fluoride Separators with Enhanced Dielectric Properties and Thermal Tolerance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 20885-20894	9.5	34
12	Highly Flexible and Efficient Solar Steam Generation Device. <i>Advanced Materials</i> , 2017 , 29, 1701756	24	424
11	Using a fully recyclable dicarboxylic acid for producing dispersible and thermally stable cellulose nanomaterials from different cellulosic sources. <i>Cellulose</i> , 2017 , 24, 2483-2498	5.5	55
10	Anisotropic, Transparent Films with Aligned Cellulose Nanofibers. <i>Advanced Materials</i> , 2017 , 29, 1606284	24	137
9	Tree-Inspired Design for High-Efficiency Water Extraction. <i>Advanced Materials</i> , 2017 , 29, 1704107	24	346
8	Nitrogen and oxygen-codoped carbon nanospheres for excellent specific capacitance and cyclic stability supercapacitor electrodes. <i>Chemical Engineering Journal</i> , 2017 , 330, 1166-1173	14.7	80
7	Highly Anisotropic Conductors. <i>Advanced Materials</i> , 2017 , 29, 1703331	24	57
6	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
5	Thermally Stable Cellulose Nanocrystals toward High-Performance 2D and 3D Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28922-28929	9.5	39
4	Rich Mesostructures Derived from Natural Woods for Solar Steam Generation. <i>Joule</i> , 2017 , 1, 588-599	27.8	242
3	Barium titanate as a filler for improving the dielectric property of cyanoethyl cellulose/antimony tin oxide nanocomposite films. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 86, 1-8	8.4	21
2	Preparation and dielectric properties of cyanoethyl cellulose/BaTiO ₃ flexible nanocomposite films. <i>RSC Advances</i> , 2015 , 5, 15283-15291	3.7	22
1	Mass Production of Hierarchically Designed Engine-Intake Air Filters by Multinozzle Electroblow Spinning. <i>Nano Letters</i> ,	11.5	0

