

Jiaqing Xiong

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

2,336
citations

24
h-index

48
g-index

59
ext. papers

3,184
ext. citations

9.9
avg, IF

5.8
L-index

#	Paper	IF	Citations
53	Sustainable Natural Bio-Origin Materials for Future Flexible Devices.. <i>Advanced Science</i> , 2022 , e2200560	13.6	9
52	New optimization approach for amphoteric/magnetic ramie biosorbent in dyestuff adsorption. <i>Biochemical Engineering Journal</i> , 2022 , 181, 108379	4.2	1
51	Regenerated cellulose microspheres-aerogel enabled sustainable removal of metal ions for water remediation. <i>Journal of Materials Science</i> , 2022 , 57, 8016	4.3	0
50	Silk inspired in-situ interlocked superelastic microfibers for permeable stretchable triboelectric nanogenerator. <i>Nano Energy</i> , 2022 , 98, 107347	17.1	5
49	Improving the Sensitivity of SPR Sensors with AuAg alloys and 2D Materials via Simulation-Based Approach. <i>Advanced Theory and Simulations</i> , 2021 , 4, 2100292	3.5	1
48	Breathable Nanogenerators for an On-Plant Self-Powered Sustainable Agriculture System. <i>ACS Nano</i> , 2021 , 15, 5307-5315	16.7	32
47	Functional Fibers and Fabrics for Soft Robotics, Wearables, and Human-Robot Interface. <i>Advanced Materials</i> , 2021 , 33, e2002640	24	94
46	A Tailorable Spray-Assembly Strategy of Silver Nanowires-Bundle Mesh for Transferable High-Performance Transparent Conductor. <i>Advanced Functional Materials</i> , 2021 , 31, 2006120	15.6	9
45	Printable elastomeric electrodes with sweat-enhanced conductivity for wearables. <i>Science Advances</i> , 2021 , 7,	14.3	17
44	Inkjet-Printed Iontronics for Transparent, Elastic, and Strain-Insensitive Touch Sensing Matrix. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2000088	6	7
43	Amphiprotic cellulose mediated graphene oxide magnetic aerogels for water remediation. <i>Chemical Engineering Journal</i> , 2020 , 400, 125890	14.7	30
42	A transparent superhydrophobic coating with mechanochemical robustness for anti-icing, photocatalysis and self-cleaning. <i>Chemical Engineering Journal</i> , 2020 , 399, 125746	14.7	119
41	All 3D-printed stretchable piezoelectric nanogenerator with non-protruding kirigami structure. <i>Nano Energy</i> , 2020 , 72, 104676	17.1	76
40	Molecular Level Assembly for High-Performance Flexible Electrochromic Energy-Storage Devices. <i>ACS Energy Letters</i> , 2020 , 5, 1159-1166	20.1	54
39	Photothermal actuated origamis based on graphene oxide-cellulose programmable bilayers. <i>Nanoscale Horizons</i> , 2020 , 5, 730-738	10.8	15
38	Meter-scale fabrication of water-driven triboelectric nanogenerator based on in-situ grown layered double hydroxides through a bottom-up approach. <i>Nano Energy</i> , 2020 , 71, 104646	17.1	19
37	Encapsulation of MnS Nanocrystals into N, S-Co-doped Carbon as Anode Material for Full Cell Sodium-Ion Capacitors. <i>Nano-Micro Letters</i> , 2020 , 12, 34	19.5	19

36	Self-healable sticky porous elastomer for gas-solid interacted power generation. <i>Science Advances</i> , 2020 , 6, eabb4246	14.3	35
35	Mechanically interlocked stretchable nanofibers for multifunctional wearable triboelectric nanogenerator. <i>Nano Energy</i> , 2020 , 78, 105358	17.1	36
34	Progress on triboelectric nanogenerator with stretchability, self-healability and bio-compatibility. <i>Nano Energy</i> , 2019 , 59, 237-257	17.1	105
33	Extremely stretchable and self-healing conductor based on thermoplastic elastomer for all-three-dimensional printed triboelectric nanogenerator. <i>Nature Communications</i> , 2019 , 10, 2158	17.4	188
32	Self-restoring, waterproof, tunable microstructural shape memory triboelectric nanogenerator for self-powered water temperature sensor. <i>Nano Energy</i> , 2019 , 61, 584-593	17.1	72
31	Progress on wearable triboelectric nanogenerators in shapes of fiber, yarn, and textile. <i>Science and Technology of Advanced Materials</i> , 2019 , 20, 837-857	7.1	48
30	Transparent and stretchable bimodal triboelectric nanogenerators with hierarchical micro-nanostructures for mechanical and water energy harvesting. <i>Nano Energy</i> , 2019 , 64, 103904	17.1	61
29	Reconfigurable and programmable origami dielectric elastomer actuators with 3D shape morphing and emissive architectures. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	10
28	Printable Superelastic Conductors with Extreme Stretchability and Robust Cycling Endurance Enabled by Liquid-Metal Particles. <i>Advanced Materials</i> , 2018 , 30, e1706157	24	150
27	A Deformable and Highly Robust Ethyl Cellulose Transparent Conductor with a Scalable Silver Nanowires Bundle Micromesh. <i>Advanced Materials</i> , 2018 , 30, e1802803	24	64
26	Core-shell nanofiber mats for tactile pressure sensor and nanogenerator applications. <i>Nano Energy</i> , 2018 , 44, 248-255	17.1	142
25	Diphylleia grayi-Inspired Stretchable Hydrochromics with Large Optical Modulation in the Visible-Near-Infrared Region. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37685-37693	9.5	20
24	Skin-touch-actuated textile-based triboelectric nanogenerator with black phosphorus for durable biomechanical energy harvesting. <i>Nature Communications</i> , 2018 , 9, 4280	17.4	270
23	In situ synthesis of MnO ₂ -loaded biocomposite based on microcrystalline cellulose for Pb ²⁺ removal from wastewater. <i>Cellulose</i> , 2017 , 24, 2591-2604	5.5	26
22	Cellulose/polymer/silica composite cotton fiber based on a hyperbranch-mesostructure system as versatile adsorbent for water treatment. <i>Carbohydrate Polymers</i> , 2017 , 166, 271-280	10.3	20
21	Transparent, Flexible Cellulose Nanofibril/Phosphorene Hybrid Paper as Triboelectric Nanogenerator. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1700651	4.6	55
20	Wearable All-Fabric-Based Triboelectric Generator for Water Energy Harvesting. <i>Advanced Energy Materials</i> , 2017 , 7, 1701243	21.8	149
19	A Stretchable and Transparent Nanocomposite Nanogenerator for Self-Powered Physiological Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42200-42209	9.5	92

18	Synthesis and adsorption properties of polymer-mesoporous SiO ₂ nanocomposite based on cellulose biomass via self-assembly. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 06GJ01	1.4	
17	Hybrid Mesoporous Silica Based on Hyperbranch-Substrate Nanonetwork as Highly Efficient Adsorbent for Water Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 60-68	8.3	47
16	Sodium alginate/graphene oxide aerogel with enhanced strength-toughness and its heavy metal adsorption study. <i>International Journal of Biological Macromolecules</i> , 2016 , 83, 133-41	7.9	140
15	A rational modification route to an amphiprotic cotton fiber as adsorbent for dyes. <i>Fibers and Polymers</i> , 2015 , 16, 1512-1518	2	5
14	Design of amino terminated hyperbranched polymer modified SBA-15 as adsorbent for dyes. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 06FK04	1.4	1
13	Hyperbranched polymer functional cotton fabric for its in situ deposition of silver nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 06FH01	1.4	4
12	Design of high-strength recyclable graphene oxide-based porous composite for the removal of dyes. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 06FF03	1.4	
11	Fabrication of Fe ₃ O ₄ nano-aggregates hybrid material via self-assembly of nanocapsules based on amphiphilic hyperbranched polyglycerols. <i>Materials Letters</i> , 2015 , 139, 173-176	3.3	5
10	Fabrication of Magnetite Nanorods via Polymer-mediated Self-assembly of Magnetite Nanoparticles. <i>Chemistry Letters</i> , 2015 , 44, 58-60	1.7	1
9	Strength-controllable graphene oxide amphiprotic aerogels as highly efficient carrier for anionic and cationic azo molecules. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 06FF07	1.4	1
8	A versatile amphiprotic cotton fiber for the removal of dyes and metal ions. <i>Cellulose</i> , 2014 , 21, 3073-3087	9.5	51
7	Preparation of a Novel Adsorbent and Heavy Metal Ion Adsorption. <i>Journal of Engineered Fibers and Fabrics</i> , 2014 , 9, 155892501400900	0.9	3
6	Synthesis of size tunable gold nanoparticles polymeric hybrid based on molecular nanocages. <i>Micro and Nano Letters</i> , 2014 , 9, 235-238	0.9	6
5	Cellulose for Sustainable Triboelectric Nanogenerators. <i>Advanced Energy and Sustainability Research</i> , 2100161	1.6	6
4	Flexible electrochromic fiber with rapid color switching and high optical modulation. <i>Nano Research</i> , 1	10	4
3	PEDOT: PSS-Based Microfluidic-Spun Microfibers for Tunable Release of Acetaminophen via Electrical Stimulation. <i>Advanced Materials Technologies</i> , 2200103	6.8	3
2	Silk Fabric Decorated with Thermo-Sensitive Hydrogel for Sustained Release of Paracetamol. <i>Macromolecular Bioscience</i> , 2200029	5.5	2
1	Amino-Terminated Hyperbranched Polymer-Based Recyclable Elastic Fibers for a Breathable and Antibacterial Triboelectric Nanogenerator. <i>Macromolecular Materials and Engineering</i> , 2200128	3.9	4

