

Hua Li

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.

71 papers	2,405 citations	25 h-index	48 g-index
75 ext. papers	3,130 ext. citations	6.7 avg, IF	5.39 L-index

#	Paper	IF	Citations
71	Dual-network sodium alginate/polyacrylamide/laponite nanocomposite hydrogels with high toughness and cyclic mechano-responsiveness. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 633, 127867	5.1	2
70	Harvesting yolk-shell nanocomposites from Fe-MIL-101 self-template in NaCl/KCl molten salt environment for high-performance microwave absorber. <i>Chemical Engineering Journal</i> , 2021 , 133112	14.7	2
69	Ionic Conductive Organohydrogels with Dynamic Pattern Behavior and Multi-Environmental Stability. <i>Advanced Functional Materials</i> , 2021 , 31, 2101464	15.6	26
68	Reversible Writing/Re-Writing Polymeric Paper in Multiple Environments. <i>Advanced Functional Materials</i> , 2021 , 31, 2104784	15.6	8
67	Tailoring conductive network nanostructures of ZIF-derived cobalt-decorated N-doped graphene/carbon nanotubes for microwave absorption applications. <i>Journal of Colloid and Interface Science</i> , 2021 , 591, 463-473	9.3	24
66	Multiple-Stimuli-Responsive and Cellulose Conductive Ionic Hydrogel for Smart Wearable Devices and Thermal Actuators. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1353-1366	9.5	37
65	High-energy-density shape memory materials with ultrahigh strain for reconfigurable artificial muscles. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 7371-7380	7.3	1
64	Dual-gradient PNIPAM-based hydrogel capable of rapid response and tunable actuation. <i>Chemical Engineering Journal</i> , 2021 , 424, 130562	14.7	9
63	Ferromagnetic TiCNCl-decorated RGO aerogel: From 3D interconnecting conductive network construction to ultra-broadband microwave absorber with thermal insulation property. <i>Journal of Colloid and Interface Science</i> , 2021 , 604, 402-414	9.3	6
62	Multifunctional conductive hydrogels and their applications as smart wearable devices. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 2561-2583	7.3	40
61	Multiresponse Shape-Memory Nanocomposite with a Reversible Cycle for Powerful Artificial Muscles. <i>Chemistry of Materials</i> , 2021 , 33, 987-997	9.6	20
60	Fabrication of Co _x Zn _{1-x} stannate (Co _x Zn _{1-x} SnO ₃) hollow balls based 3D rGO aerogels with excellent electromagnetic wave absorption properties. <i>Journal of Alloys and Compounds</i> , 2020 , 845, 156165	5.7	11
59	Ultralight, flexible carbon hybrid aerogels from bacterial cellulose for strong microwave absorption. <i>Carbon</i> , 2020 , 162, 283-291	10.4	36
58	Phase investigation and crystal structure analysis of zinc stannate (Zn ₂ SnO ₄). <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126205	2.3	3
57	A Biocompatible, Stimuli-Responsive, and Injectable Hydrogel with Triple Dynamic Bonds. <i>Molecules</i> , 2020 , 25,	4.8	5
56	Surface-hydrophilic-modified carbon aerogels via surface-initiated electrochemically mediated atom transfer radical polymerization for high-performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 21379-21388	2.1	
55	Shape-Memory Polymeric Artificial Muscles: Mechanisms, Applications and Challenges. <i>Molecules</i> , 2020 , 25,	4.8	17

54	High-efficiency dual-responsive shape memory assisted self-healing of carbon nanotubes enhanced polycaprolactone/thermoplastic polyurethane composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 580, 123731	5.1	27
53	A fast self-healing and conductive nanocomposite hydrogel as soft strain sensor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 567, 139-149	5.1	64
52	A graphene oxide and functionalized carbon nanotube based semi-open cellular network for sound absorption. <i>Soft Matter</i> , 2019 , 15, 2269-2276	3.6	20
51	Electrodeposition behavior of lithium metal on carbon substrates with surface silvering. <i>Carbon</i> , 2019 , 152, 503-510	10.4	10
50	High-cycle-life and high-loading copolymer network with potential application as a soft actuator. <i>Materials and Design</i> , 2019 , 182, 108010	8.1	9
49	Fast and Efficient Electric-Triggered Self-Healing Shape Memory of CNTs@rGO Enhanced PCLPLA Copolymer. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1900281	2.6	5
48	S-Doped ZnSnO ₃ Nanoparticles with Narrow Band Gaps for Photocatalytic Wastewater Treatment. <i>ACS Applied Nano Materials</i> , 2019 , 2, 7755-7765	5.6	13
47	Fe/N-Codoped Hollow Carbonaceous Nanospheres Anchored on Reduced Graphene Oxide for Microwave Absorption. <i>ACS Applied Nano Materials</i> , 2019 , 2, 8063-8074	5.6	25
46	Facile fabrication of polyurethane-based graphene foam/lead zirconate titanate/polydimethylsiloxane composites with good damping performance.. <i>RSC Advances</i> , 2018 , 8, 7916-7923	3.7	8
45	High loss factor piezoelectric damping composite with three-dimensional reduced graphene oxide as the conductive phase.. <i>RSC Advances</i> , 2018 , 8, 12494-12502	3.7	3
44	Facile synthesis of three-dimensional lightweight nitrogen-doped graphene aerogel with excellent electromagnetic wave absorption properties. <i>Journal of Materials Science</i> , 2018 , 53, 4067-4077	4.3	41
43	3D composites of ZnSnO ₃ nanoplates/reduced graphene oxide aerogels as an advanced lithium-ion battery anode. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 5299-5306	2.1	9
42	MOF-Derived Hollow Co ₃ S ₄ Quasi-polyhedron/MWCNT Nanocomposites as Electrodes for Advanced Lithium Ion Batteries and Supercapacitors. <i>ACS Applied Energy Materials</i> , 2018 , 1, 402-410	6.1	49
41	Porous Co-C Core-Shell Nanocomposites Derived from Co-MOF-74 with Enhanced Electromagnetic Wave Absorption Performance. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11333-11342	9.5	240
40	Facile fabrication of polyurethane/epoxy IPNs filled graphene aerogel with improved damping, thermal and mechanical properties.. <i>RSC Advances</i> , 2018 , 8, 27390-27399	3.7	5
39	CoSe/Co nanoparticles wrapped by in situ grown N-doped graphitic carbon nanosheets as anode material for advanced lithium ion batteries. <i>Journal of Power Sources</i> , 2018 , 399, 223-230	8.9	45
38	Low-Weight 3D Al ₂ O ₃ Network as an Artificial Layer to Stabilize Lithium Deposition. <i>ChemSusChem</i> , 2018 , 11, 3243-3252	8.3	18
37	High-Coulombic-Efficiency Carbon/Li Clusters Composite Anode without Precycling or Prelithiation. <i>Small</i> , 2018 , 14, e1802226	11	15

36	Self-Healing Shape Memory PUPCL Copolymer with High Cycle Life. <i>Advanced Functional Materials</i> , 2018 , 28, 1704109	15.6	63
35	Oriented growth of Li metal for stable Li/carbon composite negative electrode. <i>Electrochimica Acta</i> , 2018 , 292, 227-233	6.7	11
34	Ultratough, Self-Healing, and Tissue-Adhesive Hydrogel for Wound Dressing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33523-33531	9.5	216
33	Facile Fabrication of Three-Dimensional Lightweight RGO/PPy Nanotube/FeO Aerogel with Excellent Electromagnetic Wave Absorption Properties. <i>ACS Omega</i> , 2018 , 3, 5735-5743	3.9	45
32	Synthesis of Orthorhombic Perovskite-Type ZnSnO Single-Crystal Nanoplates and Their Application in Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8271-8279	9.5	64
31	Facile preparation of high-quality perovskites for efficient solar cells via a fast conversion of wet PbI ₂ precursor films. <i>RSC Advances</i> , 2017 , 7, 22492-22500	3.7	19
30	Reaction mechanisms of lithium garnet pellets in ambient air: The effect of humidity and CO ₂ . <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2832-2839	3.8	108
29	Facile fabrication of ultra-light and highly resilient PU/RGO foams for microwave absorption. <i>RSC Advances</i> , 2017 , 7, 41321-41329	3.7	15
28	A three dimensional sulfur/reduced graphene oxide with embedded carbon nanotubes composite as a binder-free, free-standing cathode for lithium sulfur batteries. <i>RSC Advances</i> , 2017 , 7, 43483-43490	3.7	3
27	Characterization of the damping and mechanical properties of a novel (ZnSnO ₃ /PVDF)@PPy nanofibers/EP composite. <i>RSC Advances</i> , 2017 , 7, 37130-37138	3.7	7
26	Fabricating fast triggered electro-active shape memory graphite/silver nanowires/epoxy resin composite from polymer template. <i>Scientific Reports</i> , 2017 , 7, 5535	4.9	21
25	The effect of annealing on a 3D SnO ₂ /graphene foam as an advanced lithium-ion battery anode. <i>Scientific Reports</i> , 2016 , 6, 19195	4.9	100
24	3D composites of layered MoS ₂ and graphene nanoribbons for high performance lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 13148-13154	13	42
23	Stretchable, strong and self-healing hydrogel by oxidized CNT-polymer composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 90, 250-260	8.4	18
22	Three dimensional Graphene aerogels as binder-less, freestanding, elastic and high-performance electrodes for lithium-ion batteries. <i>Scientific Reports</i> , 2016 , 6, 27365	4.9	45
21	A facile method to fabricate polyurethane based graphene foams/epoxy/carbon nanotubes composite for electro-active shape memory application. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 91, 292-300	8.4	31
20	Enhanced Photovoltaic Performance of Perovskite Solar Cells Using Polymer P(VDF-TrFE) as a Processed Additive. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 12980-12988	3.8	62
19	Size-controlled synthesis of BiFeO ₃ nanoparticles by a facile and stable sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 10803-10809	2.1	5

18	Continuously enhanced photoactivity of hierarchical Bi ₂ O ₃ /Bi ₂ S ₃ heterostructure derived from novel BiO ₂ CH ₃ octagonal nanoplates. <i>Applied Catalysis A: General</i> , 2016 , 514, 146-153	5.1	24
17	Ionic Conductivity and Air Stability of Al-Doped Li _{1-x} Al _x ZrO ₃ Interbed in Alumina and Pt Crucibles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5335-42	9.5	173
16	New strategy to rescue the inhibition of osteogenesis of human bone marrow-derived mesenchymal stem cells under oxidative stress: combination of vitamin C and graphene foams. <i>Oncotarget</i> , 2016 , 7, 71998-72010	3.3	12
15	Electron beam curing of poly(ethylene glycol) diglycidyl ether-functionalized MWNTs/epoxy composites. <i>Journal of Composite Materials</i> , 2016 , 50, 1595-1602	2.7	2
14	Oxygen vacancies induced self-assembling synthesis of V ⁴⁺ -BiVO ₄ /rGO core-shell nanorods with enhanced water splitting efficiency and superior sewage purification capability. <i>Applied Catalysis A: General</i> , 2016 , 526, 105-112	5.1	11
13	A green method to prepare TiO ₂ /MWCNT nanocomposites with high photocatalytic activity and insights into the effect of heat treatment on photocatalytic activity. <i>RSC Advances</i> , 2015 , 5, 13430-13436	3.7	19
12	Electro-active shape memory composites enhanced by flexible carbon nanotube/graphene aerogels. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11641-11649	13	71
11	Intrinsically Atomic-oxygen-resistant POSS-containing Polyimide Aerogels: Synthesis and Characterization. <i>Chemistry Letters</i> , 2015 , 44, 1083-1085	1.7	16
10	Fabrication of ultralight three-dimensional graphene networks with strong electromagnetic wave absorption properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3739-3747	13	178
9	Facile synthesis of V(4+) self-doped, [010] oriented BiVO ₄ nanorods with highly efficient visible light-induced photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 24519-26	3.6	110
8	Photoelectrochemical response and electronic structure analysis of mono-dispersed cuboid-shaped Bi ₂ Fe ₄ O ₉ crystals with near-infrared absorption. <i>RSC Advances</i> , 2014 , 4, 28209-28218	3.7	24
7	Photovoltaic effect of TiO ₂ thick films with an ultrathin BiFeO ₃ as buffer layer. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 117, 1301-1306	2.6	4
6	Preparation and Dielectric Characteristics of Semitransparent CoFe ₂ O ₄ /P(VDF-TrFE) Nanocomposite Films. <i>Journal of Electronic Materials</i> , 2013 , 42, 734-738	1.9	1
5	Mechanical properties of 3-glycidoxypropyltrimethoxysilane functionalized multi-walled carbon nanotubes/epoxy composites cured by electron beam irradiation. <i>Journal of Composite Materials</i> , 2013 , 47, 1685-1694	2.7	6
4	Superior volumetric capacitance of nitrogen and fluorine Co-doped holey graphene/PANI composite film for supercapacitor electrodes. <i>Journal of Materials Research</i> , 2013 , 27, 1685-1694	2.5	1
3	Facile synthesis and high volumetric capacitance of holey graphene film for supercapacitor electrodes with optimizing preparation conditions. <i>Soft Materials</i> , 2013 , 11, 1-12	1.7	
2	Mechanisms and applications of bioinspired underwater/wet adhesives. <i>Journal of Polymer Science</i> , 2013 , 51, 1-12	2.4	11
1	Paper-Structure Inspired Multiresponsive Hydrogels with Solvent-Induced Reversible Information Recording, Self-Encryption, and Multidecryption. <i>Advanced Functional Materials</i> , 2013 , 23, 1009-1019	15.6	12

