

# Dongzhi Yang

## List of Publications by Year in descending order

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72  
papers

3,316  
citations

126907

33  
h-index

149698

56  
g-index

73  
all docs

73  
docs citations

73  
times ranked

5057  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superelastic and responsive anisotropic silica nanofiber/polyvinylpyrrolidone/MXene hybrid aerogels for efficient thermal insulation and overheating alarm applications. <i>Composites Science and Technology</i> , 2022, 225, 109484.	7.8	19
2	Super-Hygroscopic Calcium Chloride/Graphene Oxide/Poly(N-isopropylacrylamide) Gels for Spontaneous Harvesting of Atmospheric Water and Solar-Driven Water Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 33881-33891.	8.0	24
3	Antifreezing and stretchable all-gel-state supercapacitor with enhanced capacitances established by graphene/PEDOT-polyvinyl alcohol hydrogel fibers with dual networks. <i>Carbon</i> , 2021, 171, 201-210.	10.3	120
4	Cold-Resistant Nitrogen/Sulfur Dual-Doped Graphene Fiber Supercapacitors with Solar-Thermal Energy Conversion Effect. <i>Chemistry - A European Journal</i> , 2021, 27, 3473-3482.	3.3	13
5	Ultraflexible Reedlike Carbon Nanofiber Membranes Decorated with Ni-Co-S Nanosheets and Fe <sub>2</sub> O <sub>3</sub> Core-Shell Nanoneedle Arrays as Electrodes of Flexible Quasi-Solid-State Asymmetric Supercapacitors. <i>ACS Applied Energy Materials</i> , 2021, 4, 1505-1516.	5.1	21
6	Superelastic and ultralight electrospun carbon nanofiber/MXene hybrid aerogels with anisotropic microchannels for pressure sensing and energy storage. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 264-274.	9.4	61
7	Oil-Water Separation Performance of Electrospray Reduced Graphene Oxide Microspheres with a Local Radially Aligned and Porous Structure. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 528-534.	2.6	0
8	Nanoscale Polyacrylamide Copolymer/Silica Hydrogel Microspheres with High Compressive Strength and Satisfactory Dispersion Stability for Efficient Profile Control and Plugging. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 10193-10202.	3.7	23
9	Continuous photocatalytic removal of chromium (VI) with structurally stable and porous Ag/Ag <sub>3</sub> PO <sub>4</sub> /reduced graphene oxide microspheres. <i>Chemical Engineering Journal</i> , 2020, 379, 122200.	12.7	38
10	Synthesis of novel bimetallic nickel cobalt telluride nanotubes on nickel foam for high-performance hybrid supercapacitors. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 477-486.	6.0	42
11	Elastic and hierarchical carbon nanofiber aerogels and their hybrids with carbon nanotubes and cobalt oxide nanoparticles for high-performance asymmetric supercapacitors. <i>Carbon</i> , 2020, 158, 873-884.	10.3	35
12	Hierarchical TiO <sub>2</sub> Nanorod Arrays/Carbon Nanofiber Membranes for Oil-in-Water Emulsion Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 21097-21105.	3.7	19
13	Beadlike Porous Fibrous Membrane with Switchable Wettability for Efficient Oil/Water Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 10894-10903.	3.7	12
14	Photothermal hierarchical carbon nanotube/reduced graphene oxide microspherical aerogels with radially orientated microchannels for efficient cleanup of crude oil spills. <i>Journal of Colloid and Interface Science</i> , 2020, 570, 61-71.	9.4	83
15	Photothermal graphene/UiO-66-NH <sub>2</sub> fabrics for ultrafast catalytic degradation of chemical warfare agent simulants. <i>Journal of Hazardous Materials</i> , 2020, 393, 122332.	12.4	60
16	Hierarchical Transition Metal Oxide Arrays Grown on Graphene-Based Fibers with Enhanced Interface by Thin Layer of Carbon toward Solid-State Asymmetric Supercapacitors. <i>ChemElectroChem</i> , 2020, 7, 1860-1868.	3.4	8
17	Anisotropic CoFe <sub>2</sub> O <sub>4</sub> @Graphene Hybrid Aerogels with High Flux and Excellent Stability as Building Blocks for Rapid Catalytic Degradation of Organic Contaminants in a Flow-Type Setup. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34222-34231.	8.0	40
18	Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> nanowires with TiO <sub>2</sub> and N-doped carbon dual-shells as binder-free electrodes for efficient sodium storage. <i>Electrochimica Acta</i> , 2019, 321, 134714.	5.2	10

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19	Electrospun and photocrosslinked gelatin/dextran- $\alpha$ -maleic anhydride composite fibers for tissue engineering. <i>European Polymer Journal</i> , 2019, 113, 142-147.	5.4	25
20	Reduced graphene oxide/carbon nanotube hybrid fibers with narrowly distributed mesopores for flexible supercapacitors with high volumetric capacitances and satisfactory durability. <i>Carbon</i> , 2019, 152, 134-143.	10.3	85
21	Silver Phosphate/Graphene Oxide Aerogel Microspheres with Radially Oriented Microchannels for Highly Efficient and Continuous Removal of Pollutants from Wastewaters. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11228-11240.	6.7	23
22	Optimizing the interface of C/titania@reduced graphene oxide nanofibers for improved photocatalytic activity. <i>Journal of Materials Science</i> , 2019, 54, 8907-8918.	3.7	19
23	Robust binder-free anodes assembled with ultralong mischcrystal TiO <sub>2</sub> nanowires and reduced graphene oxide for high-rate and long cycle life lithium-ion storage. <i>Journal of Power Sources</i> , 2018, 383, 115-123.	7.8	11
24	Restorative dental resin functionalized with methacryloxy propyl trimethoxy silane to induce reversible in situ generation of enamel-like hydroxyapatite. <i>Journal of Materials Science</i> , 2018, 53, 16183-16197.	3.7	7
25	Sb Nanoparticles Embedded in a Nitrogen-Doped Carbon Matrix with Tuned Voids and Interfacial Bonds for High-Rate Lithium Storage. <i>ChemElectroChem</i> , 2018, 5, 2653-2659.	3.4	15
26	Efficient Photocatalytic Reduction Approach for Synthesizing Chemically Bonded N-Doped TiO <sub>2</sub> /Reduced Graphene Oxide Hybrid as a Freestanding Electrode for High-Performance Lithium Storage. <i>ACS Applied Energy Materials</i> , 2018, 1, 4186-4195.	5.1	11
27	Aligned porous chitosan/graphene oxide scaffold for bone tissue engineering. <i>Materials Letters</i> , 2018, 233, 78-81.	2.6	35
28	Highly Efficient High-Pressure Homogenization Approach for Scalable Production of High-Quality Graphene Sheets and Sandwich-Structured $\text{TiO}_2/\text{O}_3$ /Graphene Hybrids for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 11025-11034.	8.0	75
29	Graphene Oxide/Chitosan Aerogel Microspheres with Honeycomb-Cobweb and Radially Oriented Microchannel Structures for Broad-Spectrum and Rapid Adsorption of Water Contaminants. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21809-21819.	8.0	264
30	Polylactic Acid Nanofiber Scaffold Decorated with Chitosan Islandlike Topography for Bone Tissue Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21094-21104.	8.0	138
31	Tetrahedral Silver Phosphate/Graphene Oxide Hybrids as Highly Efficient Visible Light Photocatalysts with Excellent Cyclic Stability. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25172-25179.	3.1	29
32	Fabrication of PAN@TiO <sub>2</sub> /Ag nanofibrous membrane with high visible light response and satisfactory recyclability for dye photocatalytic degradation. <i>Applied Surface Science</i> , 2017, 426, 622-629.	6.1	78
33	FeCl <sub>3</sub> intercalated few-layer graphene for high lithium-ion storage performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15498-15504.	10.3	38
34	Electrospun polyacrylonitrile nanofibers loaded with silver nanoparticles by silver mirror reaction. <i>Materials Science and Engineering C</i> , 2015, 51, 346-355.	7.3	51
35	The effect of the prefrozen process on properties of a chitosan/hydroxyapatite/poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tj	3.6	29
36	The DOPA-functionalized bioadhesive with properties of photocrosslinked and thermoresponsive. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	21

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37	Photocrosslinkable bioadhesive based on dextran and PEG derivatives. <i>Materials Science and Engineering C</i> , 2014, 35, 300-306.	7.3	31
38	Electrospinning of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanofibers with feature surface microstructure. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2867-2874.	2.6	15
39	Study on the biocomposites with poly(ethylene glycol) dimethacrylate and surfaced-grafted hydroxyapatite nanoparticles. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1737-1743.	2.6	6
40	Preparation and characterization of a bioadhesive with poly (vinyl alcohol) crosslinking agent. <i>Journal of Applied Polymer Science</i> , 2013, 127, 5051-5058.	2.6	11
41	Preparation and characterization of a photocrosslinkable bioadhesive inspired by marine mussel. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 119, 31-36.	3.8	20
42	The photocrosslinkable tissue adhesive based on copolymeric dextran/HEMA. <i>Carbohydrate Polymers</i> , 2013, 92, 1423-1431.	10.2	30
43	Study on the synthesis and properties of mussel mimetic poly(ethylene glycol) bioadhesive. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 120, 183-190.	3.8	27
44	Dextran and gelatin based photocrosslinkable tissue adhesive. <i>Carbohydrate Polymers</i> , 2012, 90, 1428-1436.	10.2	91
45	Study on poly(lactic acid)/natural fibers composites. <i>Journal of Applied Polymer Science</i> , 2012, 125, E526.	2.6	55
46	Glucose-responsive insulin delivery microhydrogels from methacrylated dextran/concanavalin A: Preparation and in vitro release study. <i>Carbohydrate Polymers</i> , 2012, 89, 117-123.	10.2	46
47	Investigation on the preparation and application of chitosan/alginate microcapsules. <i>Journal of Controlled Release</i> , 2011, 152, e71-e72.	9.9	6
48	Photocrosslinkable tissue adhesive based on dextran. <i>Carbohydrate Polymers</i> , 2011, 86, 1578-1585.	10.2	46
49	The mineralization of electrospun chitosan/poly(vinyl alcohol) nanofibrous membranes. <i>Carbohydrate Polymers</i> , 2011, 84, 990-996.	10.2	41
50	Aligned polymer fibers produced via an additive electric field. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2011, 6, 44-47.	0.4	2
51	Preparation of chitosan/alginate microcapsules by high-voltage electrostatic method. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2011, 6, 48-53.	0.4	3
52	Electrospun composite nanofibrous membrane as wound dressing with good adhesion. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2011, 6, 221-226.	0.4	3
53	Electrospinning of methoxy poly(ethylene glycol)-grafted chitosan and poly(ethylene oxide) blend aqueous solution. <i>Carbohydrate Polymers</i> , 2011, 83, 270-276.	10.2	34
54	Preparation and properties of water-soluble chitosan and polyvinyl alcohol blend films as potential bone tissue engineering matrix. <i>Polymers for Advanced Technologies</i> , 2010, 21, 189-195.	3.2	10

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55	Preparation of biaxial orientation mats from single fibers. <i>Polymers for Advanced Technologies</i> , 2010, 21, 606-608.	3.2	1
56	Electrospun ultrafine composite fibers from organic-soluble chitosan and poly(ethylene oxide). <i>Journal of Applied Polymer Science</i> , 2010, 117, 2113-2120.	2.6	7
57	Organic-soluble chitosan/polyhydroxybutyrate ultrafine fibers as skin regeneration prepared by electrospinning. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3619-3624.	2.6	35
58	Alginate-chitosan/hydroxyapatite polyelectrolyte complex porous scaffolds: Preparation and characterization. <i>International Journal of Biological Macromolecules</i> , 2010, 46, 199-205.	7.5	197
59	Preparation of silica/polyurethane nanocomposites by UV-induced polymerization from surfaces of silica. <i>Journal of Applied Polymer Science</i> , 2009, 111, 1936-1941.	2.6	20
60	Preparation of porous ultrafine polyacrylonitrile (PAN) fibers by electrospinning. <i>Polymers for Advanced Technologies</i> , 2009, 20, 147-150.	3.2	69
61	Semi-interpenetrating polymer network hydrogels based on water-soluble N-carboxylethyl chitosan and photopolymerized poly (2-hydroxyethyl methacrylate). <i>Carbohydrate Polymers</i> , 2009, 75, 293-298.	10.2	43
62	Synthesis and characterization of chitosan-based hydrogels. <i>International Journal of Biological Macromolecules</i> , 2009, 44, 121-127.	7.5	64
63	Injectable Poly(ethylene glycol) Dimethacrylate-based Hydrogels with Hydroxyapatite. <i>Journal of Bioactive and Compatible Polymers</i> , 2009, 24, 405-423.	2.1	20
64	A pH-sensitive water-soluble N-carboxyethyl chitosan/poly(hydroxyethyl methacrylate) hydrogel as a potential drug sustained release matrix prepared by photopolymerization technique. <i>Polymers for Advanced Technologies</i> , 2008, 19, 1133-1141.	3.2	38
65	In Situ Mineralization of Hydroxyapatite on Electrospun Chitosan-Based Nanofibrous Scaffolds. <i>Macromolecular Bioscience</i> , 2008, 8, 239-246.	4.1	84
66	Preparation and characterization of N-alkylated chitosan derivatives. <i>Journal of Applied Polymer Science</i> , 2008, 109, 1093-1098.	2.6	14
67	Photocrosslinked electrospun chitosan-based biocompatible nanofibers. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3337-3343.	2.6	46
68	Fabrication and characterization of chitosan/PVA with hydroxyapatite biocomposite nanoscaffolds. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3328-3335.	2.6	55
69	Aligned electrospun nanofibers induced by magnetic field. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3368-3372.	2.6	44
70	Electrospun Water-Soluble Carboxyethyl Chitosan/Poly(vinyl alcohol) Nanofibrous Membrane as Potential Wound Dressing for Skin Regeneration. <i>Biomacromolecules</i> , 2008, 9, 349-354.	5.4	430
71	Preparation and characterization of chitosan/poly(vinyl alcohol)/poly(vinyl pyrrolidone) electrospun fibers. <i>Frontiers of Materials Science in China</i> , 2007, 1, 432-436.	0.5	14
72	Electrospinning of chitosan/poly(vinyl alcohol)/acrylic acid aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2006, 102, 5692-5697.	2.6	76