

# Dongzhi Yang

## List of Publications by Year in descending order

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72  
papers

3,316  
citations

126907

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149698

56  
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73  
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73  
docs citations

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times ranked

5057  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Alginate-chitosan/hydroxyapatite polyelectrolyte complex porous scaffolds: Preparation and characterization. <i>International Journal of Biological Macromolecules</i> , 2010, 46, 199-205.	7.5	197
4	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
5	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
6	Dextran and gelatin based photocrosslinkable tissue adhesive. <i>Carbohydrate Polymers</i> , 2012, 90, 1428-1436.	10.2	91
7	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
8	In Situ Mineralization of Hydroxyapatite on Electrospun Chitosan-Based Nanofibrous Scaffolds. <i>Macromolecular Bioscience</i> , 2008, 8, 239-246.	4.1	84
9	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
10	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
11	Electrospinning of chitosan/poly(vinyl alcohol)/acrylic acid aqueous solutions. <i>Journal of Applied Polymer Science</i> , 2006, 102, 5692-5697.	2.6	76
12	Highly Efficient High-Pressure Homogenization Approach for Scalable Production of High-Quality Graphene Sheets and Sandwich-Structured Fe <sub>2</sub> O <sub>3</sub> /Graphene Hybrids for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 11025-11034.	8.0	75
13	Preparation of porous ultrafine polyacrylonitrile (PAN) fibers by electrospinning. <i>Polymers for Advanced Technologies</i> , 2009, 20, 147-150.	3.2	69
14	Synthesis and characterization of chitosan-based hydrogels. <i>International Journal of Biological Macromolecules</i> , 2009, 44, 121-127.	7.5	64
15	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
16	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
17	Fabrication and characterization of chitosan/PVA with hydroxyapatite biocomposite nanoscaffolds. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3328-3335.	2.6	55
18	Study on poly(lactic acid)/natural fibers composites. <i>Journal of Applied Polymer Science</i> , 2012, 125, E526.	2.6	55

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19	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
20	Photocrosslinked electrospun chitosan-based biocompatible nanofibers. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3337-3343.	2.6	46
21	Photocrosslinkable tissue adhesive based on dextran. <i>Carbohydrate Polymers</i> , 2011, 86, 1578-1585.	10.2	46
22	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
23	Aligned electrospun nanofibers induced by magnetic field. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3368-3372.	2.6	44
24	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
25	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
26	The mineralization of electrospun chitosan/poly(vinyl alcohol) nanofibrous membranes. <i>Carbohydrate Polymers</i> , 2011, 84, 990-996.	10.2	41
27	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
28	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
29	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
30	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
31	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
32	Aligned porous chitosan/graphene oxide scaffold for bone tissue engineering. <i>Materials Letters</i> , 2018, 233, 78-81.	2.6	35
33	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
34	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
35	Photocrosslinkable bioadhesive based on dextran and PEG derivatives. <i>Materials Science and Engineering C</i> , 2014, 35, 300-306.	7.3	31
36	The photocrosslinkable tissue adhesive based on copolymeric dextran/HEMA. <i>Carbohydrate Polymers</i> , 2013, 92, 1423-1431.	10.2	30

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37	The effect of the prefrozen process on properties of a chitosan/hydroxyapatite/poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 T5 Advances, 2015, 5, 79679-79686.	3.6	29
38	Tetrahedral Silver Phosphate/Graphene Oxide Hybrids as Highly Efficient Visible Light Photocatalysts with Excellent Cyclic Stability. Journal of Physical Chemistry C, 2017, 121, 25172-25179.	3.1	29
39	Study on the synthesis and properties of mussel mimetic poly(ethylene glycol) bioadhesive. Journal of Photochemistry and Photobiology B: Biology, 2013, 120, 183-190.	3.8	27
40	Electrospun and photocrosslinked gelatin/dextranâ€‘maleic anhydride composite fibers for tissue engineering. European Polymer Journal, 2019, 113, 142-147.	5.4	25
41	Super-Hygroscopic Calcium Chloride/Graphene Oxide/Poly(N-isopropylacrylamide) Gels for Spontaneous Harvesting of Atmospheric Water and Solar-Driven Water Release. ACS Applied Materials & Interfaces, 2022, 14, 33881-33891.	8.0	24
42	Silver Phosphate/Graphene Oxide Aerogel Microspheres with Radially Oriented Microchannels for Highly Efficient and Continuous Removal of Pollutants from Wastewaters. ACS Sustainable Chemistry and Engineering, 2019, 7, 11228-11240.	6.7	23
43	Nanoscale Polyacrylamide Copolymer/Silica Hydrogel Microspheres with High Compressive Strength and Satisfactory Dispersion Stability for Efficient Profile Control and Plugging. Industrial & Engineering Chemistry Research, 2021, 60, 10193-10202.	3.7	23
44	The DOPAâ€‘functionalized bioadhesive with properties of photocrosslinked and thermoresponsive. Journal of Applied Polymer Science, 2014, 131, .	2.6	21
45	Ultraflexible Reedlike Carbon Nanofiber Membranes Decorated with Niâ€‘Coâ€‘S Nanosheets and Fe<sub>2</sub>O<sub>3</sub>â€‘C Coreâ€‘Shell Nanoneedle Arrays as Electrodes of Flexible Quasi-Solid-State Asymmetric Supercapacitors. ACS Applied Energy Materials, 2021, 4, 1505-1516.	5.1	21
46	Preparation of silica/polyurethane nanocomposites by UVâ€‘induced polymerization from surfaces of silica. Journal of Applied Polymer Science, 2009, 111, 1936-1941.	2.6	20
47	Injectable Poly(ethylene glycol) Dimethacrylate-based Hydrogels with Hydroxyapatite. Journal of Bioactive and Compatible Polymers, 2009, 24, 405-423.	2.1	20
48	Preparation and characterization of a photocrosslinkable bioadhesive inspired by marine mussel. Journal of Photochemistry and Photobiology B: Biology, 2013, 119, 31-36.	3.8	20
49	Optimizing the interface of C/titania@reduced graphene oxide nanofibers for improved photocatalytic activity. Journal of Materials Science, 2019, 54, 8907-8918.	3.7	19
50	Hierarchical TiO<sub>2</sub> Nanorod Arrays/Carbon Nanofiber Membranes for Oil-in-Water Emulsion Separation. Industrial & Engineering Chemistry Research, 2020, 59, 21097-21105.	3.7	19
51	Superelastic and responsive anisotropic silica nanofiber/polyvinylpyrrolidone/MXene hybrid aerogels for efficient thermal insulation and overheating alarm applications. Composites Science and Technology, 2022, 225, 109484.	7.8	19
52	Electrospinning of Poly(3â€‘hydroxybutyrateâ€‘i>co</i>â€‘3â€‘hydroxyvalerate) nanofibers with feature surface microstructure. Journal of Applied Polymer Science, 2013, 127, 2867-2874.	2.6	15
53	Sb Nanoparticles Embedded in a Nitrogenâ€‘Doped Carbon Matrix with Tuned Voids and Interfacial Bonds for Highâ€‘Rate Lithium Storage. ChemElectroChem, 2018, 5, 2653-2659.	3.4	15
54	Preparation and characterization of chitosan/poly(vinyl alcohol)/poly(vinyl pyrrolidone) electrospun fibers. Frontiers of Materials Science in China, 2007, 1, 432-436.	0.5	14

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55	Preparation and characterization of N-alkylated chitosan derivatives. Journal of Applied Polymer Science, 2008, 109, 1093-1098.	2.6	14
56	Cold-Resistant Nitrogen/Sulfur Dual-Doped Graphene Fiber Supercapacitors with Solar-Thermal Energy Conversion Effect. Chemistry - A European Journal, 2021, 27, 3473-3482.	3.3	13
57	Beadlike Porous Fibrous Membrane with Switchable Wettability for Efficient Oil/Water Separation. Industrial & Engineering Chemistry Research, 2020, 59, 10894-10903.	3.7	12
58	Preparation and characterization of a bioadhesive with poly (vinyl alcohol) crosslinking agent. Journal of Applied Polymer Science, 2013, 127, 5051-5058.	2.6	11
59	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. Journal of Power Sources, 2018, 383, 115-123.	7.8	11
60	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. ACS Applied Energy Materials, 2018, 1, 4186-4195.	5.1	11
61	Preparation and properties of water-soluble chitosan and polyvinyl alcohol blend films as potential bone tissue engineering matrix. Polymers for Advanced Technologies, 2010, 21, 189-195.	3.2	10
62	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. Electrochimica Acta, 2019, 321, 134714.	5.2	10
63	Hierarchical Transition Metal Oxide Arrays Grown on Graphene-Based Fibers with Enhanced Interface by Thin Layer of Carbon toward Solid-State Asymmetric Supercapacitors. ChemElectroChem, 2020, 7, 1860-1868.	3.4	8
64	Electrospun ultrafine composite fibers from organic-soluble chitosan and poly(ethylene oxide). Journal of Applied Polymer Science, 2010, 117, 2113-2120.	2.6	7
65	Restorative dental resin functionalized with methacryloxy propyl trimethoxy silane to induce reversible in situ generation of enamel-like hydroxyapatite. Journal of Materials Science, 2018, 53, 16183-16197.	3.7	7
66	Investigation on the preparation and application of chitosan/alginate microcapsules. Journal of Controlled Release, 2011, 152, e71-e72.	9.9	6
67	Study on the biocomposites with poly(ethylene glycol) dimethacrylate and surfaced-grafted hydroxyapatite nanoparticles. Journal of Applied Polymer Science, 2013, 127, 1737-1743.	2.6	6
68	Preparation of chitosan/alginate microcapsules by high-voltage electrostatic method. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2011, 6, 48-53.	0.4	3
69	Electrospun composite nanofibrous membrane as wound dressing with good adhesion. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2011, 6, 221-226.	0.4	3
70	Aligned polymer fibers produced via an additive electric field. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2011, 6, 44-47.	0.4	2
71	Preparation of biaxial orientation mats from single fibers. Polymers for Advanced Technologies, 2010, 21, 606-608.	3.2	1
72	Oil-Water Separation Performance of Electro Spray Reduced Graphene Oxide Microspheres with a Local Radially Aligned and Porous Structure. Chemical Research in Chinese Universities, 2021, 37, 528-534.	2.6	0