

# Zhen Hu

## List of Publications by Citations

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68

papers

2,104

citations

27

h-index

44

g-index

73

ext. papers

2,421

ext. citations

6.6

avg, IF

4.96

L-index

#	Paper	IF	Citations
68	Multistimuli-Responsive Intrinsic Self-Healing Epoxy Resin Constructed by Host-Guest Interactions. <i>Macromolecules</i> , <b>2018</b> , 51, 5294-5303	5.5	140
67	Visible light driven photodynamic anticancer activity of graphene oxide/TiO <sub>2</sub> hybrid. <i>Carbon</i> , <b>2012</b> , 50, 994-1004	10.4	126
66	Correlation between the acoustic and porous cell morphology of polyurethane foam: Effect of interconnected porosity. <i>Materials &amp; Design</i> , <b>2012</b> , 41, 319-325		112
65	Light triggered interfacial damage self-healing of poly(p-phenylene benzobisoxazole) fiber composites. <i>Nanotechnology</i> , <b>2018</b> , 29, 185602	3.4	106
64	Carbon Nanomaterials in Direct Liquid Fuel Cells. <i>Chemical Record</i> , <b>2018</b> , 18, 1365-1372	6.6	100
63	Grafting of silane and graphene oxide onto PBO fibers: Multifunctional interphase for fiber/polymer matrix composites with simultaneously improved interfacial and atomic oxygen resistant properties. <i>Composites Science and Technology</i> , <b>2015</b> , 106, 32-38	8.6	85
62	Solvothermal synthesis, characterization and photocatalytic property of zirconium dioxide doped titanium dioxide spinous hollow microspheres with sunflower pollen as bio-templates. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 529, 111-121	9.3	85
61	Flexible, conductive, porous, fibrillar polymer-gold nanocomposites with enhanced electromagnetic interference shielding and mechanical properties. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1095-1105	7.1	83
60	Folic acid-conjugated graphene-ZnO nanohybrid for targeting photodynamic therapy under visible light irradiation. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 5003-5013	7.3	82
59	Fabrication of a graphene/C nanohybrid via Cyclodextrin host-guest chemistry for photodynamic and photothermal therapy. <i>Nanoscale</i> , <b>2017</b> , 9, 8825-8833	7.7	78
58	Nondestructive Functionalization of Graphene by Surface-Initiated Atom Transfer Radical Polymerization: An Ideal Nanofiller for Poly(p-phenylene benzobisoxazole) Fibers. <i>Macromolecules</i> , <b>2017</b> , 50, 1422-1429	5.5	54
57	Facile fabrication of a C <sub>60</sub> -polydopamine-graphene nanohybrid for single light induced photothermal and photodynamic therapy. <i>Chemical Communications</i> , <b>2014</b> , 50, 10815-8	5.8	54
56	Photodynamic anticancer activities of water-soluble C(60) derivatives and their biological consequences in a HeLa cell line. <i>Chemico-Biological Interactions</i> , <b>2012</b> , 195, 86-94	5	53
55	Interfacial microstructure and properties of poly (phenylene benzobisoxazole) fiber grafted with graphene oxide via solvothermal method. <i>Applied Surface Science</i> , <b>2013</b> , 266, 306-312	6.7	50
54	Synthesis of amphiphilic amino acid C <sub>60</sub> derivatives and their protective effect on hydrogen peroxide-induced apoptosis in rat pheochromocytoma cells. <i>Carbon</i> , <b>2008</b> , 46, 99-109	10.4	49
53	POSS-bound ZnO nanowires as interphase for enhancing interfacial strength and hydrothermal aging resistance of PBO fiber/epoxy resin composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2017</b> , 96, 1-8	8.4	43
52	One-pot preparation and continuous spinning of carbon nanotube/poly(p-phenylene benzobisoxazole) copolymer fibers. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 19863		41

51	Efficient intrinsic self-healing epoxy acrylate formed from host-guest chemistry. <i>Polymer</i> , <b>2019</b> , 164, 79-85	3.9	40
50	Light-triggered C release from a graphene/cyclodextrin nanoplatfrom for the protection of cytotoxicity induced by nitric oxide. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 518-526	7.3	38
49	Protective effect of a novel cystine C(60) derivative on hydrogen peroxide-induced apoptosis in rat pheochromocytoma PC12 cells. <i>Chemico-Biological Interactions</i> , <b>2007</b> , 167, 135-44	5	36
48	Synthesis of beta-alanine C60 derivative and its protective effect on hydrogen peroxide-induced apoptosis in rat pheochromocytoma cells. <i>Cell Biology International</i> , <b>2007</b> , 31, 798-804	4.5	35
47	Functionalized graphene/C60 nanohybrid for targeting photothermally enhanced photodynamic therapy. <i>RSC Advances</i> , <b>2015</b> , 5, 654-664	3.7	34
46	Construction of Anti-Ultraviolet "Shielding Clothes" on Poly(p-phenylene benzobisoxazole) Fibers: Metal Organic Framework-Mediated Absorption Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 43262-43274	9.5	34
45	High-performance polyamide membrane with tailored water channel prepared via bionic neural networks for textile wastewater treatment. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 6695-6707	13	33
44	Redox-responsive nanoreservoirs based on collagen end-capped mesoporous hydroxyapatite nanoparticles for targeted drug delivery. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 6089-6096	7.3	31
43	The protective activities of water-soluble C(60) derivatives against nitric oxide-induced cytotoxicity in rat pheochromocytoma cells. <i>Biomaterials</i> , <b>2010</b> , 31, 8872-81	15.6	29
42	Facile preparation of poly(p-phenylene benzobisoxazole)/graphene composite films via one-pot in situ polymerization. <i>Polymer</i> , <b>2015</b> , 71, 8-14	3.9	28
41	Surface initiated grafting of polymer chains on carbon nanotubes via one-step cycloaddition of diarylcarbene. <i>Composites Science and Technology</i> , <b>2017</b> , 142, 294-301	8.6	26
40	Enhanced interfacial properties of PBO fiber via electroless nickel plating. <i>Surface and Coatings Technology</i> , <b>2013</b> , 235, 669-675	4.4	25
39	A facile method to prepare multifunctional PBO fibers: simultaneously enhanced interfacial properties and UV resistance. <i>RSC Advances</i> , <b>2013</b> , 3, 24664	3.7	25
38	High-hydrophilic and salt rejecting PA-g/co-PVP RO membrane via bionic sand-fixing grass for pharmaceutical wastewater treatment. <i>Chemical Engineering Journal</i> , <b>2019</b> , 357, 269-279	14.7	25
37	Mussel-inspired immobilization of BN nanosheets onto poly(p-phenylene benzobisoxazole) fibers: Multifunctional interface for photothermal self-healing. <i>Applied Surface Science</i> , <b>2018</b> , 440, 1159-1165	6.7	24
36	Graphene-polydopamine-C nanohybrid: an efficient protective agent for NO-induced cytotoxicity in rat pheochromocytoma cells. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 8587-8597	7.3	23
35	Facile Interface Design Strategy for Improving the Uvioresistant and Self-Healing Properties of Poly(phenylene benzobisoxazole) Fibers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 39292-39303	9.5	22
34	A coating of silane modified silica nanoparticles on PET substrate film for inkjet printing. <i>Applied Surface Science</i> , <b>2012</b> , 258, 5131-5134	6.7	20

33	One-step functionalization of graphene by cycloaddition of diarylcarbene and its application as reinforcement in epoxy composites. <i>Composites Science and Technology</i> , <b>2016</b> , 135, 21-27	8.6	19
32	Synthesis of glutathione C60 derivative and its protective effect on hydrogen peroxide-induced apoptosis in rat pheochromocytoma cells. <i>Neuroscience Letters</i> , <b>2007</b> , 429, 81-6	3.3	19
31	Covalent modification of multiwalled carbon nanotubes with a low molecular weight chitosan. <i>Chinese Chemical Letters</i> , <b>2007</b> , 18, 361-364	8.1	18
30	Facile immobilization of graphene nanosheets onto PBO fibers via MOF-mediated coagulation strategy: Multifunctional interface with self-healing and ultraviolet-resistance performance. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 587, 661-671	9.3	16
29	Imine or Secondary Amine-Derived Degradable Polyaminal: Low-Cost Matrix Resin with High Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 1943-1953	8.3	15
28	Highly Conductive PVA/Ag Coating by Aqueous in Situ Reduction and Its Stretchable Structure for Strain Sensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 1427-1435	9.5	15
27	Influence of Flexible Poly(Trimethylene Sebacate) Segments on the Lamellar Twisting Behavior of Poly(Trimethylene Terephthalate) Ring-Banded Spherulites. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 1892-1900	3.9	12
26	In situ polymerization and characterization of graphene oxide-co-poly(phenylene benzobisoxazole) copolymer fibers derived from composite inner salts. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 1831-1842	2.5	11
25	Multimode Self-Oscillating Vesicle Transformers. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 17125-17129	16.4	10
24	Processing and characterization of ZnO nanowire-grown PBO fibers with simultaneously enhanced interfacial and atomic oxygen resistance properties. <i>RSC Advances</i> , <b>2014</b> , 4, 59869-59876	3.7	10
23	Folacin C60 derivative exerts a protective activity against oxidative stress-induced apoptosis in rat pheochromocytoma cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 4159-62	2.9	10
22	Biomimetic nanoporous aerogels from branched aramid nanofibers combining high heat insulation and compressive strength. <i>SmartMat</i> , <b>2021</b> , 2, 76-87	22.8	9
21	Protection of cells from nitric oxide-mediated apoptotic death by glutathione C60 derivative. <i>Cell Biology International</i> , <b>2012</b> , 36, 677-81	4.5	8
20	Synthesis of novel single-walled carbon nanotubes/poly (p-phenylene benzobisoxazole) nanocomposite. <i>Polymer Bulletin</i> , <b>2011</b> , 67, 1731-1739	2.4	8
19	Recycling of carbon fibers from unsaturated polyester composites via a hydrolysis-oxidation synergistic catalytic strategy. <i>Composites Science and Technology</i> , <b>2021</b> , 203, 108589	8.6	8
18	Processing and characterization of nickel-plated PBO fiber with improved interfacial properties. <i>Fibers and Polymers</i> , <b>2014</b> , 15, 1160-1167	2	5
17	Fabrication of uvioresistant poly(p-phenylene benzobisoxazole) fibers based on hydrogen bond. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 48432	2.9	5
16	Preparation and properties of PIPD nanofibers made by a swelling and ultrasonic stripping process. <i>RSC Advances</i> , <b>2016</b> , 6, 78073-78079	3.7	5

15	Mechanical reinforcement of PBO fibers by dicarboxylic acid functionalized carbon nanotubes through in situ copolymerization. <i>RSC Advances</i> , <b>2016</b> , 6, 86245-86252	3.7	5
14	Facile preparation of rapidly recyclable tough thermosetting composites via cross-linking structure regulation. <i>Polymer</i> , <b>2020</b> , 189, 122163	3.9	3
13	One-step chemical functionalization of polyethylene surfaces via diarylcarbene insertion. <i>Materials Letters</i> , <b>2018</b> , 218, 157-160	3.3	3
12	Preparation and characterization of nanocomposites of poly(p-phenylene benzobisoxazole) with aminofunctionalized graphene. <i>Polymer Composites</i> , <b>2018</b> , 39, 2969-2976	3	3
11	Solubility of 2,6-Diamino-3,5-dinitropyridine and 2,5-Dihydroxyterephthalic Acid in N,N-Dimethylformamide, Dimethylsulfoxide, Ethanol, and Methanol, N,N-Dimethylacetamide, and Acetic Acid. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2010</b> , 55, 561-565	2.8	3
10	A simple and efficient route for preparing 2,3,5,6-tetraaminopyridine hydrochloride salt. <i>Molecules</i> , <b>2009</b> , 14, 1652-9	4.8	3
9	Chemical functionalization of polyethylene surfaces by plasma-assisted carbene insertion. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2017</b> , 54, 938-943	2.2	2
8	Solubility of 2-Chloro-4,6-dinitroresorcinol in Ethanol, Methanol, Acetic Acid, Ethyl Acetate, and Water. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 2696-2699	2.8	2
7	Preparation and properties of PBO/SWNT composite fibers <b>2009</b> ,		1
6	Enhanced both in-plane and through-thickness thermal conductivity of carbon fiber/epoxy composites by fabricating high thermal conductive coaxial PAN/PBO carbon fibers. <i>Composites Part B: Engineering</i> , <b>2022</b> , 229, 109468	10	1
5	Multimode Self-Oscillating Vesicle Transformers. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 17273-17277	3.6	1
4	Facile preparation of ultraviolet resistant Bard armors on poly(p-phenylene benzobisoxazole) fibers through heat-induced surface treatment. <i>Polymer Degradation and Stability</i> , <b>2022</b> , 199, 109896	4.7	1
3	Degradable and Recyclable Unsaturated Polyester Resin Based on the Selective Cleavage of a Hindered C=O Bond. <i>ACS Applied Polymer Materials</i> , <b>2022</b> , 4, 999-1009	4.3	0
2	Green Synthesis of Carbon Nitride-Based Conjugated Copolymer for Efficient Photocatalytic Degradation of Tetracycline.. <i>Macromolecular Rapid Communications</i> , <b>2022</b> , e2200043	4.8	0
1	Bending Anchoring Reinforcement of Zinc Nanosheets for Carbon Fiber Composites. <i>Advanced Engineering Materials</i> , 2100818	3.5	