

# He-qing Fu

## List of Publications by Year in descending order

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64  
papers

1,217  
citations

430442

18  
h-index

414034

32  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of vegetable oil-based waterborne polyurethane/silver-halloysite antibacterial nanocomposites. <i>Composites Science and Technology</i> , 2016, 126, 86-93.	3.8	87
2	Robust Hyperbranched Polyester-Based Anti-Smudge Coatings for Self-Cleaning, Anti-Graffiti, and Chemical Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14305-14312.	4.0	74
3	Study on mussel-inspired tough TA/PANI@CNCs nanocomposite hydrogels with superior self-healing and self-adhesive properties for strain sensors. <i>Composites Part B: Engineering</i> , 2020, 201, 108356.	5.9	74
4	Synergistic microstructure of sandwich-like NiFe <sub>2</sub> O <sub>4</sub> @SiO <sub>2</sub> @MXene nanocomposites for enhancement of microwave absorption in the whole Ku-band. <i>Composites Part B: Engineering</i> , 2021, 224, 109178.	5.9	74
5	Effects of Surface Structure and Morphology of Nanoclays on the Properties of Jatropha Curcas Oil-Based Waterborne Polyurethane/Clay Nanocomposites. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 11689-11699.	1.8	54
6	Reinforcement of waterborne polyurethane with chitosan-modified halloysite nanotubes. <i>Applied Surface Science</i> , 2015, 346, 372-378.	3.1	47
7	Synthesis of Silanized MoS <sub>2</sub> /Reduced Graphene Oxide for Strong Radar Wave Absorption. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 10667-10677.	1.8	47
8	A novel UV/sunlight-curable anti-smudge coating system for various substrates. <i>Chemical Engineering Journal</i> , 2018, 345, 659-668.	6.6	42
9	Nano-SiO <sub>2</sub> /fluorinated waterborne polyurethane nanocomposite adhesive for laminated films. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1623-1632.	2.9	41
10	Bio-based coatings with liquid repellency for various applications. <i>Chemical Engineering Journal</i> , 2020, 382, 123042.	6.6	40
11	Tough and stretchable Fe <sub>3</sub> O <sub>4</sub> /MoS <sub>2</sub> /PANI composite hydrogels with conductive and magnetic properties. <i>Composites Part B: Engineering</i> , 2020, 182, 107623.	5.9	40
12	Preparation and characterization of a novel organic montmorillonite/fluorinated waterborne polyurethane nanocomposites: Effect of OMMT and HFBMA. <i>Composites Science and Technology</i> , 2013, 85, 65-72.	3.8	36
13	Fabrication of Magnetically Inorganic/Organic Superhydrophobic Fabrics and Their Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45296-45305.	4.0	35
14	Self-healable ZnO@ multiwalled carbon nanotubes (MWCNTs) /DA-PDMS nanocomposite via Diels-Alder chemistry as microwave absorber: A novel multifunctional material. <i>Carbon</i> , 2020, 169, 235-247.	5.4	33
15	In situ growth of BaTiO <sub>3</sub> nanotube on the surface of reduced graphene oxide: A lightweight electromagnetic absorber. <i>Journal of Alloys and Compounds</i> , 2019, 773, 423-431.	2.8	30
16	Highly Elastic Anti-fatigue and Anti-freezing Conductive Double Network Hydrogel for Human Body Sensors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 6162-6172.	1.8	28
17	Preparation and study of Al <sub>2</sub> O <sub>3</sub> @PPy@rGO composites with microwave absorption properties. <i>Journal of Alloys and Compounds</i> , 2020, 832, 152957.	2.8	22
18	A novel silanized CoFe <sub>2</sub> O <sub>4</sub> /fluorinated waterborne polyurethane pressure sensitive adhesive. <i>Applied Surface Science</i> , 2015, 351, 1204-1212.	3.1	21

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19	An ultrasensitive and highly compressive piezoresistive sensor based on a biopolyol-reinforced polyurethane sponge coated with silver nanoparticles and carbon nanotubes/cellulose nanocrystals. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16603-16614.	2.7	20
20	Multiple interfacial polarization from 3D net-like ZnO@MWCNTs@NiFe <sub>2</sub> O <sub>4</sub> nanocomposites as broadband microwave absorbers. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160300.	2.8	19
21	Boosted Interfacial Polarization from the Multidimensional Core-Shell-Flat Heterostructure CNP@PDA@GO/rGO for Enhanced Microwave Absorption. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 12343-12352.	1.8	18
22	Preparation of super hydrophobic mMoS <sub>2</sub> /PDMS coating for fabrics. <i>Reactive and Functional Polymers</i> , 2019, 143, 104315.	2.0	17
23	Study on novel flame retarded LDH-TDI-HEA-VTES-acrylate composites and their flame retardant mechanism. <i>Reactive and Functional Polymers</i> , 2020, 147, 104371.	2.0	17
24	Preparation and Study of Novel Modified [(1-x)MnO <sub>2</sub> -xMWCNTs]/Waterborne Polyurethane Composites with Microwave Absorption Properties. <i>Industrial &amp; Engineering Chemistry Research</i> , 2018, 57, 13406-13416.	1.8	16
25	A reversible and highly conductive adhesive: towards self-healing and recyclable flexible electronics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7772-7785.	2.7	16
26	Fabrication of UV curable coating for super hydrophobic cotton fabrics. <i>Polymer Engineering and Science</i> , 2019, 59, E452.	1.5	15
27	A self-healing flexible urea-g-MWCNTs/poly(urethane-sulfide) nanocomposite for sealing electronic devices. <i>Journal of Materials Chemistry C</i> , 2020, 8, 607-618.	2.7	15
28	Ultralight, compressible and superhydrophobic hybrid foam with highly efficient electromagnetic interference shielding in damping and high humidity environment. <i>Journal of Alloys and Compounds</i> , 2022, 911, 165086.	2.8	15
29	Synthesis of 1,4-Bis[(3-Aryl)-1,2,4-triazolo(3,4-b)-1,3,4-thiadiazole-6-yl]benzenes. <i>Synthetic Communications</i> , 2005, 35, 2495-2500.	1.1	13
30	Properties of Aqueous Polyurethane Dispersion Modified by Epoxide Resin and Their Use as Adhesive. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 634-638.	1.3	13
31	UV-curable polyurethane acrylate-Ag/TiO <sub>2</sub> nanocomposites with superior UV light antibacterial activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2017, 66, 835-843.	1.8	13
32	Room temperature self-healing and recyclable conductive composites for flexible electronic devices based on imine reversible covalent bond. <i>Journal of Alloys and Compounds</i> , 2022, 894, 162433.	2.8	13
33	Self-healing, conductive and magnetic ZnFe <sub>2</sub> O <sub>4</sub> /MCNT/PPy ternary composite hydrogels. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161083.	2.8	12
34	Self-Healing, Water-Retaining, Antifreeze, Conductive PVA/PAA-PAM-ClS/GC Composite Hydrogels for Strain and Temperature Sensors. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	12
35	Preparation and characterization of novel modified halloysite-Fe <sub>3</sub> O <sub>4</sub> -Ag/polyurea nanocomposites with antibacterial property. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 863-871.	1.8	10
36	Self-Cleaning, Chemically Stable, Reshapeable, Highly Conductive Nanocomposites for Electrical Circuits and Flexible Electronic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 25697-25705.	4.0	10

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37	Preparation of water-borne non-fluorinated anti-smudge surfaces and their applications. Progress in Organic Coatings, 2020, 142, 105581.	1.9	10
38	The Synthesis and Fungicidal Activities of 2,6-Bis[(3-aryl)-s-triazolo[3,4-b]-[1,3,4]thiadiazole-6-yl]pyridines. Phosphorus, Sulfur and Silicon and the Related Elements, 2006, 181, 2079-2087.	0.8	8
39	Fabrication of flower clusters-like superhydrophobic surface via a UV curable coating of ODA and $\text{V}\alpha\text{PDMS}$ . Journal of Applied Polymer Science, 2019, 136, 48210.	1.3	8
40	Room temperature self-healing CIP/PDA/MWCNTs composites based on imine reversible covalent bond as microwave absorber. Reactive and Functional Polymers, 2022, 172, 105179.	2.0	8
41	Synthesis of 1,3-Bis[(3-aryl)-S-triazolo[3,4-b]-[1,3,4]thiadiazole-6-yl]benzenes. Phosphorus, Sulfur and Silicon and the Related Elements, 2006, 181, 519-526.	0.8	7
42	The Film Properties of Waterborne Polyurethane Modified by Epoxidized Soybean Oil and Styrene. International Journal of Polymeric Materials and Polymeric Biomaterials, 2011, 60, 654-664.	1.8	7
43	Study on novel rosin-based polyurethane reactive hot melt adhesive. Polymers for Advanced Technologies, 2021, 32, 4415-4423.	1.6	7
44	Synthesis of acrylate microemulsion modified by alkoxy silane. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 212-217.	0.4	6
45	Bisphosphoric modified amino functional $[\text{x Fe}_3\text{O}_4 \cdot 2 \text{x Al(OH)}_3]$ /waterborne polyurethane nanocomposite with superparamagnetism and flame retardancy. Polymers for Advanced Technologies, 2020, 31, 338-349.	1.6	6
46	Magnetic self-healing nanocomposite material introduced by thiol-epoxy click reaction. Reactive and Functional Polymers, 2020, 157, 104744.	2.0	6
47	Influence of carboxyl groups on the particle size and rheological properties of polyacrylate latices. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 492-498.	0.4	5
48	Polyurethane acrylate-supported $\text{rGO/TiO}_2$ electrical conductive and antibacterial nanocomposites. International Journal of Polymeric Materials and Polymeric Biomaterials, 2019, 68, 319-327.	1.8	5
49	Synthesis and application of phenolic resin internally toughened by chain extension polymer of epoxidized soybean oil. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2008, 3, 235-241.	0.4	4
50	Influence of initiator on synthesis and properties of polyurethane-acrylate hybrid emulsion. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 41-45.	0.4	4
51	Waterborne polyurethane-silanized $\text{CoFe}_2\text{O}_4$ -acrylate magnetic pressure-sensitive adhesive. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 826-834.	1.8	4
52	Preparation of novel hydrophobic magnetic $\text{Fe}_3\text{O}_4$ /waterborne polyurethane nanocomposites. Journal of Applied Polymer Science, 2020, 137, 48546.	1.3	4
53	Research on $\text{WPU}\alpha\text{ERGO/ATP}\alpha\text{Fe}_3\text{O}_4$ /chitosan composites with excellent electrical and magnetic properties. Polymers for Advanced Technologies, 2020, 31, 1164-1171.	1.6	4
54	Study on $\langle\text{scp}\rangle\text{UV}\langle\text{scp}\rangle$ /sunlight curable $\langle\text{scp}\rangle\text{self-healing}\langle\text{scp}\rangle$ topological polysulfide polymer network based on disulfide exchange. Polymers for Advanced Technologies, 2021, 32, 2252-2261.	1.6	4

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55	The Synthesis and Antibacterial Activities of 1,4-Bis[(3-aryl)-1,2,4-triazolo[3,4-b]-[1,3,4]thiadiazole-6-yl]Butanes. Phosphorus, Sulfur and Silicon and the Related Elements, 2007, 182, 1307-1314.	0.8	3
56	Modification of chitosan-Fe <sub>3</sub> O <sub>4</sub> microspheres with isophorone diisocyanate and formation of polyurethane/mchitosan-Fe <sub>3</sub> O <sub>4</sub> antimicrobial polymer. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 711-719.	1.8	3
57	Fluorine-free Bio-based Multifunctional Superhydrophobic Hyperbranched Self-cleaning Coating for Oil-water Separation. Macromolecular Materials and Engineering, 0, , 2100508.	1.7	3
58	Theoretical insights into CO <sub>2</sub> reduction reaction on a CuPc/graphene single-atomic catalyt. New Journal of Chemistry, 2022, 46, 1353-1361.	1.4	3
59	Synthesis and properties of novel epoxidized soybean oilmodified phenolic resin/montmorillonite nanocomposites. Journal Wuhan University of Technology, Materials Science Edition, 2008, 23, 431-435.	0.4	2
60	The Synthesis and Antibacterial Activities of 2,5-Bis[(3-aryl)-1,2,4-triazolo[3,4-b]-[1,3,4]thiadiazole-6-yl]thiophenes. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 2229-2236.	0.8	2
61	Study on polyurethaneacrylate/cerium dioxide modified by 3-(Methylacryloyl)propyltrimethoxy silane and its UV absorption property. Journal of Applied Polymer Science, 2021, 138, 50760.	1.3	2
62	Kinetics for chlorination of maleic anhydride grafted polypropylene. Journal of Applied Polymer Science, 2007, 106, 117-121.	1.3	1
63	Synthesis and properties of electrical conductive and antibacterial siloxane-modified carbon fiber-silveracrylate nanocomposites. International Journal of Polymeric Materials and Polymeric Biomaterials, 2018, 67, 951-960.	1.8	1
64	Study on a novel fluorescent anti-counterfeiting acrylate pressure-sensitive adhesive. Journal of Adhesion, 2022, 98, 1151-1167.	1.8	1