

# Haopeng Cai

## List of Publications by Citations

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19  
papers

173  
citations

6  
h-index

12  
g-index

25  
ext. papers

292  
ext. citations

3.4  
avg, IF

3.08  
L-index

#	Paper	IF	Citations
19	Synthesis of a DOPO-containing imidazole curing agent and its application in reactive flame retarded epoxy resin. <i>Polymer Degradation and Stability</i> , <b>2019</b> , 159, 79-89	4.7	53
18	Synergistic effect between a novel triazine-based flame retardant and DOPO/HPCP on epoxy resin. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 2774-2783	3.2	29
17	Electrospun Polyethylene Terephthalate Nonwoven Reinforced Polypropylene Separator: Scalable Synthesis and Its Lithium Ion Battery Performance. <i>Polymers</i> , <b>2018</b> , 10,	4.5	20
16	Enhanced microwave absorption property of epoxy nanocomposites based on PANI@Fe <sub>3</sub> O <sub>4</sub> @CNFs nanoparticles with three-phase heterostructure. <i>Materials Research Express</i> , <b>2018</b> , 5, 025304	1.7	11
15	Study on properties of flame-retardant cyanate esters modified with DOPO and triazine compounds. <i>Polymers for Advanced Technologies</i> , <b>2018</b> , 29, 2574-2582	3.2	10
14	Synthesis of Fe <sub>3</sub> O <sub>4</sub> /rGO@PANI with three-dimensional flower-like nanostructure and microwave absorption properties. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 893, 162227	5.7	7
13	Preparation of flame-retardant cyanate ester with low dielectric constants and dissipation factors modified with novel phosphorus-contained Schiff base. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 3153-3164	4.1	6
12	Synthesis of rGO/p-Fe <sub>3</sub> O <sub>4</sub> @PANI three-phase nanomaterials and electromagnetic wave absorption properties. <i>Materials Research Express</i> , <b>2019</b> , 6, 125621	1.7	6
11	Liquid oxygen compatibility and toughness of epoxy resin modified by a novel hyperbranched polysiloxane. <i>Materials Research Express</i> , <b>2019</b> , 6, 085338	1.7	5
10	Nitrogen-doped porous carbon derived from imidazole-functionalized polyhedral oligomeric silsesquioxane. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 456-465	4.3	5
9	Preparation of flame-retardant cyanate ester resin combined with phosphorus-containing maleimide. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 132, 1617-1628	4.1	4
8	Water-Dispersed Poly(p-Phenylene Terephthamide) Boosting Nano-AlO-Coated Polyethylene Separator with Enhanced Thermal Stability and Ion Diffusion for Lithium-Ion Batteries. <i>Polymers</i> , <b>2019</b> , 11,	4.5	3
7	Enhancement of the electrochemical performance of lithium-ion batteries by SiO@poly(2-acrylamido-2-methylpropanesulfonic acid) nanosphere addition into a polypropylene membrane.. <i>RSC Advances</i> , <b>2020</b> , 10, 5077-5087	3.7	3
6	Preparation and microwave absorption properties of petal CoO/CNFs composites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 7606-7615	2.1	2
5	Isocyanate-terminated polyethers toughened epoxy resin: Chemical modification, thermal properties, and mechanical strength. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2007</b> , 22, 256-260	1	1
4	Microwave absorption properties of Ni-substituted cobalt ferrite-loaded carbon nanofiber composites. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 8429-8439	2.1	1
3	Research on core-shell nanofiber self-healing composites for structural applications. <i>Polymer Composites</i> , <b>2021</b> , 42, 3281-3292	3	1

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| 2 | A phosphorus-containing imidazole derivative towards the liquid oxygen compatibility and toughness of epoxy resin.. <i>RSC Advances</i> , <b>2022</b> , 12, 7046-7054   | 3.7 | 1 |
| 1 | The P/Si synergistic effect enduing epoxy resin with improved flame retardancy and outstanding mechanical properties. <i>High Performance Polymers</i> ,095400832210806 | 1.6 | 0 |