

Dechao Hu

List of Publications by Year in descending order

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38
papers

880
citations

393982

19
h-index

500791

28
g-index

38
all docs

38
docs citations

38
times ranked

737
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction strategies and thermal energy storage applications of shape-stabilized phase change materials. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51550.	1.3	19
2	Tailoring superhydrophobic PDMS/CeFe ₂ O ₄ /MWCNTs nanocomposites with conductive network for highly efficient microwave absorption. <i>Chemical Engineering Journal</i> , 2022, 432, 134226.	6.6	31
3	Construction of boron nitride nanosheets-based nanohybrids by electrostatic self-assembly for highly thermally conductive composites. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 3201-3211.	9.9	22
4	Interfacial design of nanocellulose/boron nitride nanosheets composites via calcium ion cross-linking for enhanced thermal conductivity and mechanical robustness. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 158, 106970.	3.8	15
5	UV-shielding and strong poly(vinyl alcohol) composite films reinforced with zinc oxide@polydopamine core-shell nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129311.	2.3	4
6	Fabrication and characterization of a novel polyurethane microencapsulated phase change material for thermal energy storage. <i>Progress in Organic Coatings</i> , 2021, 151, 106006.	1.9	20
7	Facile preparation and flame retardancy mechanism of cyclophosphazene derivatives for highly flame-retardant silicone rubber composites. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50297.	1.3	13
8	Large-scale and green production of multi-layer graphene in deep eutectic solvents. <i>Journal of Materials Science</i> , 2021, 56, 4615-4623.	1.7	12
9	Surface engineering of nanoparticles for highly efficient UV-shielding composites. <i>Polymers for Advanced Technologies</i> , 2021, 32, 6-16.	1.6	18
10	Synergistic improvement of mechanical and thermal properties in epoxy composites via polyimide microspheres. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50869.	1.3	3
11	Recent advances in carbon nanotubes-based microwave absorbing composites. <i>Ceramics International</i> , 2021, 47, 23749-23761.	2.3	63
12	UV-thermal-cured cycloaliphatic epoxy composites with enhanced mechanical properties via Ca ²⁺ -modified nanocrystalline cellulose. <i>Polymer International</i> , 2021, 70, 1692-1700.	1.6	3
13	A new reutilization strategy of waste printed circuit board nonmetal powders for constructing superhydrophobic coatings. <i>Polymer Engineering and Science</i> , 2021, 61, 2193-2199.	1.5	5
14	Synergetic integration of thermal conductivity and flame resistance in nacre-like nanocellulose composites. <i>Carbohydrate Polymers</i> , 2021, 264, 118058.	5.1	28
15	Cinnamic acid-functionalized ZnO nanoparticles for constructing UV-shielding and mechanically robust polyvinyl butyral composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 629, 127438.	2.3	10
16	Multifunctional UV-shielding nanocellulose films modified with halloysite nanotubes-zinc oxide nanohybrid. <i>Cellulose</i> , 2020, 27, 401-413.	2.4	44
17	Nanocellulose as a Sustainable Building Block to Construct Eco-Friendly Thermally Conductive Composites. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19465-19484.	1.8	17
18	Rational design of nanohybrids for highly thermally conductive polymer composites. <i>Composites Communications</i> , 2020, 21, 100427.	3.3	38

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19	Synthesis and characterization of microencapsulated methyl laurate with polyurethane shell materials via interfacial polymerization in Pickering emulsions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 600, 124958.	2.3	29
20	Dual Bio-Inspired Design of Highly Thermally Conductive and Superhydrophobic Nanocellulose Composite Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11115-11125.	4.0	64
21	Reutilization of waste printed circuit boards nonmetallic powders in elastomer composites: Significant improvements of curing and mechanical properties. <i>Polymer Composites</i> , 2020, 41, 2224-2232.	2.3	5
22	In situ assembly of halloysite nanotubes@cerium oxide nanohybrid for highly UV-shielding and superhydrophobic coating. <i>Journal of Alloys and Compounds</i> , 2019, 811, 151986.	2.8	15
23	Mesoporous silica as nanocarrier of antioxidant for highly anti-aging elastomer composites. <i>Polymer Degradation and Stability</i> , 2019, 169, 108987.	2.7	11
24	Nonsolvent-assisted surface modification of silica by silane and antioxidant for rubber reinforcement. <i>Polymer Testing</i> , 2019, 78, 105949.	2.3	22
25	Immobilization of rubber additive on graphene for high-performance rubber composites. <i>Journal of Colloid and Interface Science</i> , 2019, 550, 190-198.	5.0	24
26	Magnetically aligning multilayer graphene to enhance thermal conductivity of silicone rubber composites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47951.	1.3	27
27	Functionalized Halloysite Nanotubes@Silica Hybrid for Enhanced Curing and Mechanical Properties of Elastomers. <i>Polymers</i> , 2019, 11, 883.	2.0	17
28	Enhancing interfacial and mechanical strength of styrene-butadiene rubber composites via in situ fabricated halloysite nanotubes/silica nano hybrid. <i>Polymer Composites</i> , 2019, 40, 677-684.	2.3	7
29	Enhanced Mechanical Performance and Antioxidative Efficiency of Styrene-Butadiene Rubber via 4-Aminodiphenylamine Functionalized Mesoporous Silica. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 4935-4940.	1.8	20
30	Enhanced interfacial interaction and antioxidative behavior of novel halloysite nanotubes/silica hybrid supported antioxidant in styrene-butadiene rubber. <i>Applied Surface Science</i> , 2018, 441, 798-806.	3.1	31
31	Characterization of Waste Printed Circuit Boards Nonmetals and its Reutilization as Reinforcing Filler in Unsaturated Polyester Resin. <i>Journal of Polymers and the Environment</i> , 2018, 26, 1311-1319.	2.4	21
32	In-situ fabrication of halloysite nanotubes/silica nano hybrid and its application in unsaturated polyester resin. <i>Applied Surface Science</i> , 2017, 407, 130-136.	3.1	38
33	Enhancing interfacial interaction and mechanical properties of styrene-butadiene rubber composites via silica-supported vulcanization accelerator. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 96, 129-136.	3.8	55
34	Method for improving the mechanical performance and thermal stability of unsaturated polyester resin/waste-printed circuit board nonmetals composites via isocyanate chemistry. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45129.	1.3	6
35	A novel hybrid filler of halloysite nanotubes/silica fabricated by electrostatic self-assembly. <i>Materials Letters</i> , 2017, 188, 327-330.	1.3	23
36	Surface modification of halloysite nanotubes by vulcanization accelerator and properties of styrene-butadiene rubber nanocomposites with modified halloysite nanotubes. <i>Applied Surface Science</i> , 2016, 366, 193-201.	3.1	40

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37	A facile and green preparation of nanosilica-supported antioxidant and its reinforcement and antioxidation effect on styrene-butadiene rubber. <i>International Journal of Polymer Analysis and Characterization</i> , 2016, 21, 185-197.	0.9	13
38	Reinforcement and reinforcing mechanism of styrene-butadiene rubber by antioxidant-modified silica. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 78, 303-310.	3.8	47