

Guangfa Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,060
citations

687363

13
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713466

21
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21
all docs

21
docs citations

21
times ranked

1465
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Flexible Polydimethylsilane Nanocomposites Enhanced with a Three-Dimensional Graphene/Carbon Nanotube Bicontinuous Framework for High-Performance Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2018, 10, 26723-26732. | 8.0 | 159 |
| 2 | Silicone Oil-Infused Slippery Surfaces Based on Solâ€“Gel Process-Induced Nanocomposite Coatings: A Facile Approach to Highly Stable Bioinspired Surface for Biofouling Resistance. ACS Applied Materials & Interfaces, 2016, 8, 34810-34819. | 8.0 | 147 |
| 3 | Bio-inspired underwater superoleophobic PVDF membranes for highly-efficient simultaneous removal of insoluble emulsified oils and soluble anionic dyes. Chemical Engineering Journal, 2019, 369, 576-587. | 12.7 | 132 |
| 4 | Robust Graphene/Poly(vinyl alcohol) Janus Aerogels with a Hierarchical Architecture for Highly Efficient Switchable Separation of Oil/Water Emulsions. ACS Applied Materials & Interfaces, 2019, 11, 36638-36648. | 8.0 | 84 |
| 5 | Polyols-Infused Slippery Surfaces Based on Magnetic Fe ₃ O ₄ -Functionalized Polymer Hybrids for Enhanced Multifunctional Anti-Icing and Deicing Properties. Langmuir, 2018, 34, 4052-4058. | 3.5 | 81 |
| 6 | Novel Fluorinated Polymers Containing Short Perfluorobutyl Side Chains and Their Super Wetting Performance on Diverse Substrates. ACS Applied Materials & Interfaces, 2016, 8, 10513-10523. | 8.0 | 75 |
| 7 | Facile fabrication of highly conductive and robust three-dimensional graphene/silver nanowires bicontinuous skeletons for electromagnetic interference shielding silicone rubber nanocomposites. Composites Part A: Applied Science and Manufacturing, 2019, 119, 101-110. | 7.6 | 65 |
| 8 | Ultralow Oil-Fouling Heterogeneous Poly(ether sulfone) Ultrafiltration Membrane via Blending with Novel Amphiphilic Fluorinated Gradient Copolymers. Langmuir, 2016, 32, 1380-1388. | 3.5 | 63 |
| 9 | Amphiphilic poly(ether sulfone) membranes for oil/water separation: Effect of sequence structure of the modifier. AIChE Journal, 2017, 63, 739-750. | 3.6 | 50 |
| 10 | Highly conductive and light-weight acrylonitrile-butadiene-styrene copolymer/reduced graphene nanocomposites with segregated conductive structure. Composites Part A: Applied Science and Manufacturing, 2019, 122, 1-7. | 7.6 | 41 |
| 11 | Enhanced oil-fouling resistance of poly(ether sulfone) membranes by incorporation of novel amphiphilic zwitterionic copolymers. RSC Advances, 2016, 6, 7532-7543. | 3.6 | 34 |
| 12 | Boron nitride nanosheet embedded bio-inspired wet adhesives with switchable adhesion and oxidation resistance. Journal of Materials Chemistry A, 2019, 7, 12266-12275. | 10.3 | 32 |
| 13 | Robust and Multifunctional 3D Graphene-Based Aerogels Reinforced by Hydroxyapatite Nanowires for Highly Efficient Organic Solvent Adsorption and Fluoride Removal. ACS Applied Materials & Interfaces, 2022, 14, 25385-25396. | 8.0 | 21 |
| 14 | The interaction between N,N-dimethylacrylamide and pristine graphene and its role in fabricating a strong nanocomposite hydrogel. Journal of Materials Science, 2020, 55, 7652-7664. | 3.7 | 14 |
| 15 | An alternative avenue for high-performance phenolic resin/graphene composite. Polymer Composites, 2019, 40, 4248-4256. | 4.6 | 12 |
| 16 | Facile fabrication of long-chain alkyl functionalized ultrafine reduced graphene oxide nanocomposites for enhanced tribological performance. RSC Advances, 2019, 9, 7324-7333. | 3.6 | 12 |
| 17 | Preparation, surface wetting properties, and protein adsorption resistance of well-defined amphiphilic fluorinated diblock copolymers. Journal of Applied Polymer Science, 2014, 131, . | 2.6 | 10 |
| 18 | High-speed shear dispersion of MWCNTs assisted by PVP in water and its effective combination with wet-mixing technology for NR/MWCNTs nanocomposites. Polymer Composites, 2022, 43, 3858-3870. | 4.6 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Functional nanoscale metal-organic particles synthesized from a new vinylimidazole-based polymeric ligand and dysprosium ions. <i>Journal of Materials Chemistry C</i> , 2018, 6, 280-289. | 5.5 | 7 |
| 20 | Facile construction of gas diode membrane towards in situ gas consumption via coupling two chemical reactions. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 282-290. | 9.4 | 7 |
| 21 | Synthesis and properties of gradient copolymers of butyl methacrylate and fluorinated acrylate via RAFT miniemulsion copolymerizations. <i>Journal of Applied Polymer Science</i> , 2016, 133, . | 2.6 | 6 |