

Qingshi Meng

List of Publications by Year in descending order

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75
papers

3,822
citations

147801

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docs citations

76
times ranked

3703
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Epoxy/graphene platelets nanocomposites with two levels of interface strength. <i>Polymer</i> , 2011, 52, 1603-1611. | 3.8 | 466 |
| 2 | A Facile Approach to Chemically Modified Graphene and its Polymer Nanocomposites. <i>Advanced Functional Materials</i> , 2012, 22, 2735-2743. | 14.9 | 244 |
| 3 | Electrically and thermally conductive elastomer/graphene nanocomposites by solution mixing. <i>Polymer</i> , 2014, 55, 201-210. | 3.8 | 239 |
| 4 | Graphene Platelets and Their Polymer Composites: Fabrication, Structure, Properties, and Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1706705. | 14.9 | 183 |
| 5 | Covalently bonded interfaces for polymer/graphene composites. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4255. | 10.3 | 163 |
| 6 | Development of polymer composites using modified, high-structural integrity graphene platelets. <i>Composites Science and Technology</i> , 2014, 91, 82-90. | 7.8 | 136 |
| 7 | Mechanical and electrical properties of graphene and carbon nanotube reinforced epoxy adhesives: Experimental and numerical analysis. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 120, 116-126. | 7.6 | 135 |
| 8 | Melt compounding with graphene to develop functional, high-performance elastomers. <i>Nanotechnology</i> , 2013, 24, 165601. | 2.6 | 124 |
| 9 | Processable 3-nm thick graphene platelets of high electrical conductivity and their epoxy composites. <i>Nanotechnology</i> , 2014, 25, 125707. | 2.6 | 119 |
| 10 | Elastomeric composites based on carbon nanomaterials. <i>Nanotechnology</i> , 2015, 26, 112001. | 2.6 | 119 |
| 11 | PEDOT-based composites as electrode materials for supercapacitors. <i>Nanotechnology</i> , 2016, 27, 042001. | 2.6 | 113 |
| 12 | Recent advances in carbon-based nanomaterials for flame retardant polymers and composites. <i>Composites Part B: Engineering</i> , 2021, 212, 108675. | 12.0 | 110 |
| 13 | Electrically conductive, mechanically robust, pH-sensitive graphene/polymer composite hydrogels. <i>Composites Science and Technology</i> , 2016, 127, 119-126. | 7.8 | 99 |
| 14 | Flexible, mechanically resilient carbon nanotube composite films for high-efficiency electromagnetic interference shielding. <i>Carbon</i> , 2018, 136, 387-394. | 10.3 | 79 |
| 15 | Mechanical, toughness and thermal properties of 2D material- reinforced epoxy composites. <i>Polymer</i> , 2019, 184, 121884. | 3.8 | 77 |
| 16 | Free-standing, flexible, electrically conductive epoxy/graphene composite films. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 92, 42-50. | 7.6 | 74 |
| 17 | Thermally and electrically conductive multifunctional sensor based on epoxy/graphene composite. <i>Nanotechnology</i> , 2020, 31, 075702. | 2.6 | 64 |
| 18 | Electrically and thermally conductive elastomer by using MXene nanosheets with interface modification. <i>Chemical Engineering Journal</i> , 2020, 397, 125439. | 12.7 | 61 |

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|----|---|------|-----------|
| 19 | Synergistic effect of graphene and carbon nanotube on lap shear strength and electrical conductivity of epoxy adhesives. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48056. | 2.6 | 56 |
| 20 | Fabrication, Structure and Properties of Epoxy/Metal Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 465-474. | 3.6 | 54 |
| 21 | Nanosilica-toughened polymer adhesives. <i>Materials & Design</i> , 2014, 61, 75-86. | 5.1 | 50 |
| 22 | A facile approach to fabricate highly sensitive, flexible strain sensor based on elastomeric/graphene platelet composite film. <i>Journal of Materials Science</i> , 2019, 54, 10856-10870. | 3.7 | 50 |
| 23 | Real-time cure behaviour monitoring of polymer composites using a highly flexible and sensitive CNT buckypaper sensor. <i>Composites Science and Technology</i> , 2017, 152, 181-189. | 7.8 | 49 |
| 24 | Epoxy/graphene film for lifecycle self-sensing and multifunctional applications. <i>Composites Science and Technology</i> , 2020, 198, 108312. | 7.8 | 49 |
| 25 | Mechanically robust, electrically and thermally conductive graphene-based epoxy adhesives. <i>Journal of Adhesion Science and Technology</i> , 2019, 33, 1337-1356. | 2.6 | 45 |
| 26 | A new method for preparation of functionalized graphene and its epoxy nanocomposites. <i>Composites Part B: Engineering</i> , 2020, 196, 108096. | 12.0 | 41 |
| 27 | Facile Fabrication of Graphene Membranes with Readily Tunable Structures. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13745-13757. | 8.0 | 39 |
| 28 | Mechanically robust, highly sensitive and superior cycling performance nanocomposite strain sensors using 3-nm thick graphene platelets. <i>Polymer Testing</i> , 2021, 98, 107178. | 4.8 | 37 |
| 29 | Interface modification of clay and graphene platelets reinforced epoxy nanocomposites: a comparative study. <i>Journal of Materials Science</i> , 2014, 49, 5856-5865. | 3.7 | 35 |
| 30 | Monitoring the glass transition temperature of polymeric composites with carbon nanotube buckypaper sensor. <i>Polymer Testing</i> , 2017, 57, 12-16. | 4.8 | 35 |
| 31 | Elastomer nanocomposites containing MXene for mechanical robustness and electrical and thermal conductivity. <i>Nanotechnology</i> , 2020, 31, 315715. | 2.6 | 31 |
| 32 | A comparative study of two graphene based elastomeric composite sensors. <i>Polymer Testing</i> , 2019, 80, 106106. | 4.8 | 30 |
| 33 | Graphene platelets versus phosphorus compounds for elastomeric composites: flame retardancy, mechanical performance and mechanisms. <i>Nanotechnology</i> , 2019, 30, 385703. | 2.6 | 30 |
| 34 | Flexible strain sensors based on epoxy/graphene composite film with long molecular weight curing agents. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47906. | 2.6 | 30 |
| 35 | Toughening polymer adhesives using nanosized elastomeric particles. <i>Journal of Materials Research</i> , 2014, 29, 665-674. | 2.6 | 29 |
| 36 | Improvement of adhesive toughness measurement. <i>Polymer Testing</i> , 2011, 30, 243-250. | 4.8 | 28 |

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|----|---|------|-----------|
| 37 | Effect of interface modification on PMMA/graphene nanocomposites. <i>Journal of Materials Science</i> , 2014, 49, 5838-5849. | 3.7 | 28 |
| 38 | Monitoring the manufacturing process of glass fiber reinforced composites with carbon nanotube buckypaper sensor. <i>Polymer Testing</i> , 2016, 52, 79-84. | 4.8 | 26 |
| 39 | Development of flame-retarding elastomeric composites with high mechanical performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 109, 257-266. | 7.6 | 26 |
| 40 | Enhancement of mechanical properties of epoxy/graphene nanocomposite. <i>Journal of Physics: Conference Series</i> , 2017, 914, 012036. | 0.4 | 24 |
| 41 | Stretchable, mechanically resilient, and high electromagnetic shielding polymer/MXene nanocomposites. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50509. | 2.6 | 23 |
| 42 | Multifunctional, durable and highly conductive graphene/sponge nanocomposites. <i>Nanotechnology</i> , 2020, 31, 465502. | 2.6 | 22 |
| 43 | Compressible, electrically conductive, fibre-like, three-dimensional PEDOT-based composite aerogels towards energy storage applications. <i>Composites Science and Technology</i> , 2016, 127, 36-46. | 7.8 | 21 |
| 44 | Non-oxidized graphene/elastomer composite films for wearable strain and pressure sensors with ultra-high flexibility and sensitivity. <i>Polymers for Advanced Technologies</i> , 2020, 31, 214-225. | 3.2 | 20 |
| 45 | Noncovalent Modification of Boron Nitride Nanosheets for Thermally Conductive, Mechanically Resilient Epoxy Nanocomposites. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 20701-20710. | 3.7 | 20 |
| 46 | Flexible, mechanically robust, multifunctional and sustainable cellulose/graphene nanocomposite films for wearable human-motion monitoring. <i>Composites Science and Technology</i> , 2022, 230, 109451. | 7.8 | 20 |
| 47 | Chemically Bonded Sn Nanoparticles Using the Crosslinked Epoxy Binder for High Energy Density Li Ion Battery. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600662. | 3.7 | 17 |
| 48 | Smart thin-film piezoelectric composite sensors based on high lead zirconate titanate content. <i>Structural Health Monitoring</i> , 2015, 14, 214-227. | 7.5 | 16 |
| 49 | A highly flexible, electrically conductive, and mechanically robust graphene/epoxy composite film for its self-damage detection. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48991. | 2.6 | 16 |
| 50 | Fabrication of single/multi-walled hybrid buckypaper composites and their enhancement of electromagnetic interference shielding performance. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 445308. | 2.8 | 14 |
| 51 | Surface-tunable, electrically conductive and inexpensive graphene platelets and their hydrophilic polymer nanocomposites. <i>Polymer</i> , 2020, 205, 122851. | 3.8 | 14 |
| 52 | Superior piezoelectric composite films: taking advantage of carbon nanomaterials. <i>Nanotechnology</i> , 2014, 25, 045501. | 2.6 | 13 |
| 53 | 3D printing interface-modified PDMS/MXene nanocomposites for stretchable conductors. <i>Journal of Materials Science and Technology</i> , 2022, 117, 174-182. | 10.7 | 13 |
| 54 | Development of high thermally conductive and electrically insulated epoxy nanocomposites with high mechanical performance. <i>Polymer Composites</i> , 2021, 42, 4217-4226. | 4.6 | 12 |

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|----|--|-----|-----------|
| 55 | Flexible GnP/EPDM with Excellent Thermal Conductivity and Electromagnetic Interference Shielding Properties. <i>Nano</i> , 2019, 14, 1950075. | 1.0 | 11 |
| 56 | Mechanically strong, stiff, and yet ductile AlSi7Mg/graphene composites by laser metal deposition additive manufacturing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 823, 141749. | 5.6 | 11 |
| 57 | Non-oxidized graphene/metal composites by laser deposition additive manufacturing. <i>Journal of Alloys and Compounds</i> , 2021, 882, 160724. | 5.5 | 11 |
| 58 | Investigation on graphene addition on the quasi-static and dynamic responses of carbon fibre-reinforced metal laminates. <i>Thin-Walled Structures</i> , 2022, 174, 109092. | 5.3 | 11 |
| 59 | Preparation and microwave-absorbing properties of hollow glass microspheres double-coated with Co-Ni/Fe ₃ O ₄ composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8878-8884. | 2.2 | 10 |
| 60 | Multifunctional Graphene-Based Composite Sponge. <i>Sensors</i> , 2020, 20, 329. | 3.8 | 10 |
| 61 | Thermal conductivity and mechanical performance of hexagonal boron nitride nanosheets-based epoxy adhesives. <i>Nanotechnology</i> , 2021, 32, 355707. | 2.6 | 10 |
| 62 | Comparative Study of Nanocarbon-Based Flexible Multifunctional Composite Electrodes. <i>ACS Omega</i> , 2021, 6, 2526-2541. | 3.5 | 10 |
| 63 | Effect of graphene nanoplatelets on water absorption and impact resistance of fibre-metal laminates under varying environmental conditions. <i>Composite Structures</i> , 2022, 281, 114977. | 5.8 | 10 |
| 64 | Multifunctional and durable graphene-based composite sponge doped with antimonene nanosheets. <i>Journal of Materials Research and Technology</i> , 2022, 17, 2466-2479. | 5.8 | 10 |
| 65 | Detection of Physiological Signals Based on Graphene Using a Simple and Low-Cost Method. <i>Sensors</i> , 2019, 19, 1656. | 3.8 | 9 |
| 66 | Accurate self-damage detection by electrically conductive epoxy/graphene nanocomposite film. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50452. | 2.6 | 9 |
| 67 | Graphene/nanorubber reinforced electrically conductive epoxy composites with enhanced toughness. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50163. | 2.6 | 7 |
| 68 | Preparation of antimonene nanosheets and their thermoelectric nanocomposites. <i>Composites Communications</i> , 2021, 28, 100968. | 6.3 | 7 |
| 69 | Porous polyvinyl alcohol/graphene oxide composite film for strain sensing and energy-storage applications. <i>Nanotechnology</i> , 2022, 33, 415701. | 2.6 | 6 |
| 70 | Investigation of flexural properties and failure behaviour of biaxial braided CFRP. <i>Polymer Testing</i> , 2020, 87, 106545. | 4.8 | 5 |
| 71 | Multifunctional, flexible and mechanically resilient porous polyurea/graphene composite film. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 549-562. | 5.8 | 4 |
| 72 | Role of Interface of Epoxy/Clay Nanocomposites and its Effect on Structure-Property Relationship. <i>Advanced Materials Research</i> , 0, 476-478, 859-862. | 0.3 | 1 |

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|----|--|-----|-----------|
| 73 | Effect of graphene on the mechanical and electrochemical properties of GLARE. Journal of Adhesion Science and Technology, 2022, 36, 2159-2175. | 2.6 | 1 |
| 74 | Smart multifunctional elastomeric nanocomposite materials containing graphene nanoplatelets. , 2023, 1, 100006. | | 1 |
| 75 | Effect of graphene nanosheets on interlaminar mechanical properties of carbon fiber reinforced metal laminates. Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University, 2022, 40, 141-147. | 0.5 | 0 |