

Qiong Nian

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

566
citations

840776

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h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

670
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 3D printing graphene-aluminum nanocomposites. Journal of Alloys and Compounds, 2018, 746, 269-276. | 5.5 | 115 |
| 2 | Laser sintered single layer graphene oxide reinforced titanium matrix nanocomposites. Composites Part B: Engineering, 2016, 93, 352-359. | 12.0 | 77 |
| 3 | 3D Printingâ€Enabled Nanoparticle Alignment: A Review of Mechanisms and Applications. Small, 2021, 17, e2100817. | 10.0 | 61 |
| 4 | Laser sintered graphene nickel nanocomposites. Journal of Materials Processing Technology, 2016, 231, 143-150. | 6.3 | 59 |
| 5 | Limpet Toothâ€Inspired Painless Microneedles Fabricated by Magnetic Fieldâ€Assisted 3D Printing. Advanced Functional Materials, 2021, 31, 2003725. | 14.9 | 54 |
| 6 | Fabricating graphene-titanium composites by laser sintering PVA bonding graphene titanium coating: Microstructure and mechanical properties. Composites Part B: Engineering, 2018, 134, 133-140. | 12.0 | 47 |
| 7 | Scalable and controlled creation of nanoholes in graphene by microwave-assisted chemical etching for improved electrochemical properties. Carbon, 2020, 161, 880-891. | 10.3 | 27 |
| 8 | Aligned Ti ₃ C ₂ T _x MXene for 3D Micropatterning <i>via</i> Additive Manufacturing. ACS Nano, 2021, 15, 12057-12068. | 14.6 | 23 |
| 9 | First-principles modeling of laser-matter interaction and plasma dynamics in nanosecond pulsed laser shock processing. Journal of Applied Physics, 2018, 123, . | 2.5 | 19 |
| 10 | Ultrafast Laserâ€Shockâ€Induced Confined Metaphase Transformation for Direct Writing of Black Phosphorus Thin Films. Advanced Materials, 2018, 30, 1704405. | 21.0 | 17 |
| 11 | Bulk titaniumâ€graphene nanocomposites fabricated by selective laser melting. Journal of Materials Research, 2019, 34, 1744-1753. | 2.6 | 13 |
| 12 | Ligand Crosslinking Boosts Thermal Transport in Colloidal Nanocrystal Solids. Angewandte Chemie - International Edition, 2020, 59, 9556-9563. | 13.8 | 11 |
| 13 | Understanding mechanical behavior of metallic foam with hollow struts using the hollow pentagonal dodecahedron model. Scripta Materialia, 2020, 182, 114-119. | 5.2 | 10 |
| 14 | Thermal conductivity of metal coated polymer foam: Integrated experimental and modeling study. International Journal of Thermal Sciences, 2021, 169, 107045. | 4.9 | 9 |
| 15 | Preparation of high-quality graphene oxide-carbon quantum dots composites and their application for electrochemical sensing of uric acid and ascorbic acid. Nanotechnology, 2021, 32, 135501. | 2.6 | 6 |
| 16 | Nanocrystal Ordering Enhances Thermal Transport and Mechanics in Single-Domain Colloidal Nanocrystal Superlattices. Nano Letters, 2022, 22, 4669-4676. | 9.1 | 6 |
| 17 | Scalable nanomanufacturing of holey graphene <i>via</i> chemical etching: an investigation into process mechanisms. Nanoscale, 2022, 14, 4762-4769. | 5.6 | 4 |
| 18 | First-principles study of the impact of chemical doping and functional groups on the absorption spectra of graphene. Semiconductor Science and Technology, 2022, 37, 025013. | 2.0 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Ligand Crosslinking Boosts Thermal Transport in Colloidal Nanocrystal Solids. <i>Angewandte Chemie</i> , 2020, 132, 9643-9650. | 2.0 | 2 |
| 20 | Comparison of scanning laser annealing and microwave annealing for As+ implanted Si. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2017, 35, 011202. | 1.2 | 1 |
| 21 | Painless Microneedles: Limpet Tooth-Inspired Painless Microneedles Fabricated by Magnetic Field-Assisted 3D Printing (<i>Adv. Funct. Mater.</i> 5/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170033. | 14.9 | 1 |
| 22 | Three-dimensional hollow graphene-metallic nanocomposite foam manufactured by polymer-templated electrochemical co-deposition. <i>Journal of Materials Research</i> , 0, , 1. | 2.6 | 0 |
| 23 | Understanding the mechanism of shockwave induced graphite-to-diamond phase transition. <i>Materialia</i> , 2022, 24, 101487. | 2.7 | 0 |