

# Qiong Nian

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

566  
citations

840776

11  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

670  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable nanomanufacturing of holey graphene <i>via</i> chemical etching: an investigation into process mechanisms. <i>Nanoscale</i> , 2022, 14, 4762-4769.	5.6	4
2	First-principles study of the impact of chemical doping and functional groups on the absorption spectra of graphene. <i>Semiconductor Science and Technology</i> , 2022, 37, 025013.	2.0	4
3	Nanocrystal Ordering Enhances Thermal Transport and Mechanics in Single-Domain Colloidal Nanocrystal Superlattices. <i>Nano Letters</i> , 2022, 22, 4669-4676.	9.1	6
4	Understanding the mechanism of shockwave induced graphite-to-diamond phase transition. <i>Materialia</i> , 2022, 24, 101487.	2.7	0
5	Limpet Tooth-Inspired Painless Microneedles Fabricated by Magnetic Field-Assisted 3D Printing. <i>Advanced Functional Materials</i> , 2021, 31, 2003725.	14.9	54
6	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
7	3D Printing-Enabled Nanoparticle Alignment: A Review of Mechanisms and Applications. <i>Small</i> , 2021, 17, e2100817.	10.0	61
8	Aligned $\text{Ti}_3\text{C}_2\text{Tx}$ MXene for 3D Micropatterning <i>via</i> Additive Manufacturing. <i>ACS Nano</i> , 2021, 15, 12057-12068.	14.6	23
9	Thermal conductivity of metal coated polymer foam: Integrated experimental and modeling study. <i>International Journal of Thermal Sciences</i> , 2021, 169, 107045.	4.9	9
10	Preparation of high-quality graphene oxide-carbon quantum dots composites and their application for electrochemical sensing of uric acid and ascorbic acid. <i>Nanotechnology</i> , 2021, 32, 135501.	2.6	6
11	Understanding mechanical behavior of metallic foam with hollow struts using the hollow pentagonal dodecahedron model. <i>Scripta Materialia</i> , 2020, 182, 114-119.	5.2	10
12	Ligand Crosslinking Boosts Thermal Transport in Colloidal Nanocrystal Solids. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9556-9563.	13.8	11
13	Scalable and controlled creation of nanoholes in graphene by microwave-assisted chemical etching for improved electrochemical properties. <i>Carbon</i> , 2020, 161, 880-891.	10.3	27
14	Ligand Crosslinking Boosts Thermal Transport in Colloidal Nanocrystal Solids. <i>Angewandte Chemie</i> , 2020, 132, 9643-9650.	2.0	2
15	Bulk titanium-graphene nanocomposites fabricated by selective laser melting. <i>Journal of Materials Research</i> , 2019, 34, 1744-1753.	2.6	13
16	3D printing graphene-aluminum nanocomposites. <i>Journal of Alloys and Compounds</i> , 2018, 746, 269-276.	5.5	115
17	Ultrafast Laser-Induced Confined Metaphase Transformation for Direct Writing of Black Phosphorus Thin Films. <i>Advanced Materials</i> , 2018, 30, 1704405.	21.0	17
18	First-principles modeling of laser-matter interaction and plasma dynamics in nanosecond pulsed laser shock processing. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	19

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19	Fabricating graphene-titanium composites by laser sintering PVA bonding graphene titanium coating: Microstructure and mechanical properties. <i>Composites Part B: Engineering</i> , 2018, 134, 133-140.	12.0	47
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	Laser sintered single layer graphene oxide reinforced titanium matrix nanocomposites. <i>Composites Part B: Engineering</i> , 2016, 93, 352-359.	12.0	77
22	Laser sintered graphene nickel nanocomposites. <i>Journal of Materials Processing Technology</i> , 2016, 231, 143-150.	6.3	59
23	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