

Jian-Bin Xu

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/10642792/jian-bin-xu-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26
papers

3,415
citations

22
h-index

30
g-index

30
ext. papers

4,045
ext. citations

13.1
avg, IF

5.42
L-index

#	Paper	IF	Citations
26	Phase-controlled epitaxial growth of MoTe ₂ : Approaching high-quality 2D materials for electronic devices with low contact resistance. <i>Journal of Applied Physics</i> , 2022 , 131, 110902	2.5	0
25	Enhancing light-matter interaction in 2D materials by optical micro/nano architectures for high-performance optoelectronic devices. <i>Information Materials</i> , 2021 , 3, 36-60	23.1	29
24	High-speed infrared two-dimensional platinum diselenide photodetectors. <i>Applied Physics Letters</i> , 2020 , 116, 211101	3.4	23
23	Graphene-assisted electro-optomechanical integration on a silicon-on-insulator platform. <i>Optics Express</i> , 2020 , 28, 14386-14395	3.3	0
22	Bound-States-in-Continuum Hybrid Integration of 2D Platinum Diselenide on Silicon Nitride for High-Speed Photodetectors. <i>ACS Photonics</i> , 2020 , 7, 2643-2649	6.3	13
21	Spherical core-shell Al@Al ₂ O ₃ filled epoxy resin composites as high-performance thermal interface materials. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 123, 260-269	8.4	54
20	Nacre-inspired polymer composites with high thermal conductivity and enhanced mechanical strength. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 121, 92-99	8.4	49
19	Spray-assisted assembled spherical boron nitride as fillers for polymers with enhanced thermally conductivity. <i>Chemical Engineering Journal</i> , 2019 , 370, 166-175	14.7	74
18	Polymer composite with enhanced thermal conductivity and mechanical strength through orientation manipulating of BN. <i>Composites Science and Technology</i> , 2018 , 160, 127-137	8.6	118
17	Graphene size-dependent modulation of graphene frameworks contributing to the superior thermal conductivity of epoxy composites. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 12091-12097	13	67
16	Advances in graphene-based polymer composites with high thermal conductivity 2018 , 2, 1-17		11
15	Core-shell Cu@rGO hybrids filled in epoxy composites with high thermal conduction. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 257-265	7.1	45
14	A Combination of Boron Nitride Nanotubes and Cellulose Nanofibers for the Preparation of a Nanocomposite with High Thermal Conductivity. <i>ACS Nano</i> , 2017 , 11, 5167-5178	16.7	297
13	Graphene and related two-dimensional materials: Structure-property relationships for electronics and optoelectronics. <i>Applied Physics Reviews</i> , 2017 , 4, 021306	17.3	368
12	Polymer Composite with Improved Thermal Conductivity by Constructing a Hierarchically Ordered Three-Dimensional Interconnected Network of BN. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13544-13553	9.5	278
11	Flexible Piezoelectric-Induced Pressure Sensors for Static Measurements Based on Nanowires/Graphene Heterostructures. <i>ACS Nano</i> , 2017 , 11, 4507-4513	16.7	315
10	Synergistic Effects of Plasmonics and Electron Trapping in Graphene Short-Wave Infrared Photodetectors with Ultrahigh Responsivity. <i>ACS Nano</i> , 2017 , 11, 430-437	16.7	153

9	High-Quality Monolithic Graphene Films via Laterally Stitched Growth and Structural Repair of Isolated Flakes for Transparent Electronics. <i>Chemistry of Materials</i> , 2017 , 29, 7808-7815	9.6	35
8	The physics and chemistry of graphene-on-surfaces. <i>Chemical Society Reviews</i> , 2017 , 46, 4417-4449	58.5	247
7	Interfacial Engineering of Silicon Carbide Nanowire/Cellulose Microcrystal Paper toward High Thermal Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31248-31255	9.5	106
6	Electronic Properties of MoS ₂ -WS ₂ Heterostructures Synthesized with Two-Step Lateral Epitaxial Strategy. <i>ACS Nano</i> , 2015 , 9, 9868-76	16.7	225
5	High Responsivity, Broadband, and Fast Graphene/Silicon Photodetector in Photoconductor Mode. <i>Advanced Optical Materials</i> , 2015 , 3, 1207-1214	8.1	111
4	Graphene photodetector integrated on silicon nitride waveguide. <i>Journal of Applied Physics</i> , 2015 , 117, 144504	2.5	39
3	High-responsivity graphene/silicon-heterostructure waveguide photodetectors. <i>Nature Photonics</i> , 2013 , 7, 888-891	33.9	584
2	High-performance graphene devices on SiO ₂ /Si substrate modified by highly ordered self-assembled monolayers. <i>Advanced Materials</i> , 2011 , 23, 2464-8	24	93
1	Quantitative Analysis of Graphene Doping by Organic Molecular Charge Transfer. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7596-7602	3.8	81