

CITATION REPORT

List of articles citing

Shear-force-dominated dual-drive planetary ball milling for the scalable production of graphene and its electrocatalytic application with Pd nanostructures

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#	Paper	IF	Citations
40	Facile synthesis of Pd/PDDA-GN/PMo11Co composite and its enhanced catalytic performance for formic acid oxidation. <i>RSC Advances</i> , 2016 , 6, 107370-107378	3.7	5
39	Exfoliation of graphene sheets via high energy wet milling of graphite in 2-ethylhexanol and kerosene. <i>Journal of Advanced Research</i> , 2017 , 8, 209-215	13	44
38	Graphite-to-Graphene: Total Conversion. <i>Advanced Materials</i> , 2017 , 29, 1603528	24	73
37	Ball-Milled Carbon Nanomaterials for Energy and Environmental Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9568-9585	8.3	118
36	Sucrose-mediated mechanical exfoliation of graphite: a green method for the large scale production of graphene and its application in catalytic reduction of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2017 , 41, 11969-11978	3.6	15
35	Dependences of phase stability and thermoelectric properties of type-I clathrate Ba8Cu4.5Si6Ge35.5 on synthesis process parameters. <i>Journal of Alloys and Compounds</i> , 2017 , 725, 783-797	5.7	3
34	Top-Down, Scalable Graphene Sheets Production: It Is All about the Precipitate. <i>Chemistry of Materials</i> , 2017 , 29, 9998-10006	9.6	30
33	Synthetic routes to graphene preparation from the perspectives of possible biological applications. 2017 , 17-44		1
32	In Situ synthesis of SiC-graphene core-shell nanoparticles using wet ball milling. <i>Ceramics International</i> , 2018 , 44, 8283-8289	5.1	25
31	Hydrogen storage kinetics: The graphene nanoplatelet size effect. <i>Carbon</i> , 2018 , 130, 369-376	10.4	23
30	Amorphization of Graphite Flakes in Gray Cast Iron Under Tribological Load. <i>Materials Research</i> , 2018 , 21,	1.5	6
29	Atomic dispersion of Fe/Co/N on graphene by ball-milling for efficient oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 10351-10358	6.7	32
28	Two-Step Exfoliation of WS for NO, H and Humidity Sensing Applications. <i>Nanomaterials</i> , 2019 , 9,	5.4	10
27	Microstructural and morphological changes during ball milling of Copper-Silver-Graphite flake mixtures. <i>Advanced Powder Technology</i> , 2019 , 30, 2759-2767	4.6	5
26	Recent Advancements and New Perspectives of Nanomaterials. <i>Nanotechnology in the Life Sciences</i> , 2019 , 1-32	1.1	
25	The experimental and theoretical insights towards the CO induced Pd-Graphene and their multifunctional energy conversion applications. <i>Carbon</i> , 2019 , 149, 307-317	10.4	6
24	Synthesis and Surface Modification. <i>Interface Science and Technology</i> , 2019 , 27, 67-108	2.3	1

23	Production of few-layer graphene by wet media milling using organic solvents and different types of graphite. <i>Ceramics International</i> , 2020 , 46, 2413-2420	5.1	4
22	Spheroidal growth of graphite in arc plasma treatment. <i>Chemical Physics Letters</i> , 2020 , 739, 136986	2.5	1
21	The Hybrids of Core-Shell Chain-like Nanostructure of Au@Porous Pd with Graphene for Energy Conversion Application. <i>ChemistrySelect</i> , 2020 , 5, 6048-6053	1.8	1
20	Synthesis of Al ₂ O ₃ /graphene composite: a novel product to provide multi-functionalities on steel strip surface. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	7
19	Study on microstructural influence of graphene on synthesis of BaTiO ₃ . <i>Materials Today: Proceedings</i> , 2021 , 43, 447-450	1.4	1
18	Graphene/Alumina Composite: The Advanced Coating Material for Developing Harder Surface of Steel Strip Substrate. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 441-447	0.4	
17	Synthesis and analysis of structural properties of (Ba _{0.592} Sr _{0.0406})TiO ₃ compound. <i>Materials Today: Proceedings</i> , 2021 , 43, 362-365	1.4	
16	One step mechanosynthesis of graphene oxide directly from graphite. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021 , 29, 352-364	1.8	2
15	Room-temperature deposition of ZnO-graphene nanocomposite hybrid photocatalysts for improved visible-light-driven degradation of methylene blue. <i>Ceramics International</i> , 2021 , 47, 12812-12825	5.1	18
14	Scalable preparation of graphene from graphite ore via mechano-chemical ball milling. <i>Materials and Manufacturing Processes</i> , 1-10	4.1	1
13	Facile one-step deposition of ZnO-graphene nanosheets hybrid photoanodes for enhanced photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2021 , 870, 159430	5.7	6
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11	Microstructural and Spectroscopic Studies of Aluminium/Graphene Nanocomposites Synthesized by Solid State Reaction. <i>Springer Proceedings in Materials</i> , 2021 , 281-287	0.2	0
10	Retaining graphene structure in the synthesis of its composite with BiFeO ₃ . <i>Materials Today: Proceedings</i> , 2021 , 43, 216-219	1.4	0
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8	Green and facile production of high-quality graphene from graphite by the combination of hydroxyl radicals and electrical exfoliation in different electrolyte systems.. <i>RSC Advances</i> , 2019 , 9, 3693-3703	3.7	15
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3	Graphene reinforced silicon composites and their characterizations. <i>Materials Today: Proceedings</i> , 2022 ,	1.4	0
2	An Overview of Coating Processes on Metal Substrates Based on Graphene-Related Materials for Multifarious Applications. 2022 , 61, 13763-13786		0
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