

# Graphene, related two-dimensional crystals, and hybrid storage

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Citation Report

#	ARTICLE	IF	CITATIONS
1	An Advanced Lithium-Ion Battery Based on a Graphene Anode and a Lithium Iron Phosphate Cathode. Nano Letters, 2014, 14, 4901-4906.	4.5	402
2	Enhancing the Liquid-Phase Exfoliation of Graphene in Organic Solvents upon Addition of n-Octylbenzene. Scientific Reports, 2015, 5, 16684.	1.6	79
3	Effect of Interlayer Coupling on Ultrafast Charge Transfer from Semiconducting Molecules to Mono- and Bilayer Graphene. Physical Review Applied, 2015, 4, .	1.5	19
4	Excitonic effects in two-dimensional semiconductors: Path integral Monte Carlo approach. Physical Review B, 2015, 92, .	1.1	49
5	Universal roles of hydrogen in electrochemical performance of graphene: high rate capacity and atomistic origins. Scientific Reports, 2015, 5, 16190.	1.6	15
6	Exciton size and quantum transport in nanoplatelets. Journal of Chemical Physics, 2015, 143, 224106.	1.2	5
8	Graphene-based electrodes for flexible electronics. Polymer International, 2015, 64, 1676-1684.	1.6	33
9	Nanomanufacturing of 2D Transition Metal Dichalcogenide Materials Using Self-Assembled DNA Nanotubes. Small, 2015, 11, 5520-5527.	5.2	29
10	Carbon/Silicon Heterojunction Solar Cells: State of the Art and Prospects. Advanced Materials, 2015, 27, 6549-6574.	11.1	159
11	Design Considerations for Unconventional Electrochemical Energy Storage Architectures. Advanced Energy Materials, 2015, 5, 1402115.	10.2	271
13	Ultrafast Electron Transfer Kinetics of Graphene Grown by Chemical Vapor Deposition. Angewandte Chemie - International Edition, 2015, 54, 15134-15137.	7.2	49
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18	Synthetic Covalent and Non-Covalent 2D Materials. Angewandte Chemie - International Edition, 2015, 54, 13876-13894.	7.2	157
19	The Rapid Exfoliation and Subsequent Restacking of Layered Titanates Driven by an Acid-Base Reaction. Angewandte Chemie - International Edition, 2015, 54, 9239-9243.	7.2	35
20	Graphene-Based Materials for Lithium-Ion Hybrid Supercapacitors. Advanced Materials, 2015, 27, 5296-5308.	11.1	424

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22	Advanced Graphene-Based Binder-Free Electrodes for High-Performance Energy Storage. <i>Advanced Materials</i> , 2015, 27, 5264-5279.	11.1	153
23	Foldable Conductive Cellulose Fiber Networks Modified by Graphene Nanoplatelet-Bio-Based Composites. <i>Advanced Electronic Materials</i> , 2015, 1, 1500224.	2.6	54
25	In Situ Synthesis of Porous Carbons by Using Room-Temperature, Atmospheric-Pressure Dielectric Barrier Discharge Plasma as High-Performance Adsorbents for Solid-Phase Microextraction. <i>Chemistry - A European Journal</i> , 2015, 21, 13618-13624.	1.7	14
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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1184	Recent Development of Metallic (1T) Phase of Molybdenum Disulfide for Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1703482.	10.2	317
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1199	Hierarchical NiCo LDH/rGO/Ni Foam Composite as Electrode Material for High-Performance Supercapacitors. <i>Transactions of Tianjin University</i> , 2019, 25, 266-275.	3.3	17
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#	ARTICLE	IF	CITATIONS
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1912	Strain tunable pudding-mold-type band structure and thermoelectric properties of SnP <sub>3</sub> monolayer. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	16
1913	Highly Safe and Ultra Stable All Flexible Gel Polymer Lithium Ion Batteries Aiming for Scalable Applications. <i>Advanced Energy Materials</i> , 2020, 10, 1904281.	10.2	48
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1926	Graphene quantum dots synthesis and energy application: a review. <i>Carbon Letters</i> , 2021, 31, 1-12.	3.3	59
1927	Hog plum ( <i>spondias mombin</i> ) assisted ZnO nanoparticles synthesis: Characterization and its impact on the performance of dye-sensitized solar cells. <i>Materials Today: Proceedings</i> , 2021, 37, 434-439.	0.9	3
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1931	Fabrication and applications of 2D black phosphorus in catalyst, sensing and electrochemical energy storage. <i>Journal of Alloys and Compounds</i> , 2021, 850, 156580.	2.8	35
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1939	Polymer gel electrolytes for flexible supercapacitors: Recent progress, challenges, and perspectives. <i>Energy Storage Materials</i> , 2021, 34, 320-355.	9.5	98

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1954	Surface and interface engineering of two-dimensional bismuth-based photocatalysts for ambient molecule activation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 196-233.	5.2	50
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2206	Substitutional doping effect of C <sub>3</sub> N anode material: A first principles calculations study. <i>Applied Surface Science</i> , 2022, 571, 151330.	3.1	11
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2208	Physics of electron emission and injection in 2D materials: Theory and simulation. <i>Informa Mater</i> , 2021, 3, 502-535.	8.5	66
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2698	Facile synthesis of nitrogen-doped graphene, and its advanced electrochemical activity toward efficient lithium ion storage. <i>Functional Materials Letters</i> , 0, , .	0.7	0
2699	Theoretical investigations of Ti <sub>4</sub> C <sub>3</sub> and Ti <sub>4</sub> C <sub>3</sub> T <sub>2</sub> (T = F, O and OH) monolayers as anode materials for Li-ion batteries. <i>FlatChem</i> , 2023, 38, 100491.	2.8	1
2700	Deformable moisture-activated all-solid-state planar microsupercapacitors. <i>Applied Physics Letters</i> , 2023, 122, .	1.5	5
2701	2D material-based sensing devices: an update. <i>Journal of Materials Chemistry A</i> , 2023, 11, 6016-6063.	5.2	16
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2714	Scaling of MoS <sub>2</sub> Transistors and Inverters to Sub-10 nm Channel Length with High Performance. <i>Nano Letters</i> , 2023, 23, 2764-2770.	4.5	7
2715	A Graphene Oxide-Thioamide Polymer Hybrid for High-Performance Supercapacitor Electrodes. <i>Small Science</i> , 2023, 3, .	5.8	5

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2887	Introduction to Low-carbon Supercapacitors: New Prospects. , 2023, , 34-62.		0
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