

Alexander J Marsden

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,326
citations

516710

16
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

3091
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of band offsets, hybridization, and exciton binding in 2D semiconductor heterostructures. <i>Science Advances</i> , 2017, 3, e1601832.	10.3	293
2	Electrical percolation in graphene-polymer composites. <i>2D Materials</i> , 2018, 5, 032003.	4.4	266
3	Sulfur-Functionalized Graphene Oxide by Epoxide Ring-Opening. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7613-7618.	13.8	130
4	Quantitative determination of the spatial orientation of graphene by polarized Raman spectroscopy. <i>Carbon</i> , 2015, 88, 215-224.	10.3	80
5	Weak mismatch epitaxy and structural Feedback in graphene growth on copper foil. <i>Nano Research</i> , 2013, 6, 99-112.	10.4	73
6	A nanoscopic approach to studying evolution in graphene wettability. <i>Carbon</i> , 2014, 80, 784-792.	10.3	64
7	Ligand-Induced Control of Photoconductive Gain and Doping in a Hybrid Graphene-Quantum Dot Transistor. <i>Advanced Electronic Materials</i> , 2015, 1, 1500062.	5.1	59
8	van der Waals epitaxy of monolayer hexagonal boron nitride on copper foil: growth, crystallography and electronic band structure. <i>2D Materials</i> , 2015, 2, 025003.	4.4	51
9	Effect of oxygen and nitrogen functionalization on the physical and electronic structure of graphene. <i>Nano Research</i> , 2015, 8, 2620-2635.	10.4	47
10	A single step strategy to fabricate graphene fibres via electrochemical exfoliation for micro-supercapacitor applications. <i>Electrochimica Acta</i> , 2019, 299, 645-653.	5.2	35
11	Is graphene on copper doped?. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 643-646.	2.4	30
12	Fabrication of a Graphene-Based Paper-Like Electrode for Flexible Solid-State Supercapacitor Devices. <i>Journal of the Electrochemical Society</i> , 2018, 165, A3481-A3486.	2.9	27
13	Adsorbate-Induced Curvature and Stiffening of Graphene. <i>Nano Letters</i> , 2015, 15, 159-164.	9.1	24
14	Covalently Binding Atomically Designed Au ₉ Clusters to Chemically Modified Graphene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9560-9563.	13.8	18
15	From graphene to graphene oxide: the importance of extended topological defects. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 2318-2331.	2.8	18
16	Monolayer-to-thin-film transition in supramolecular assemblies: the role of topological protection. <i>Nanoscale</i> , 2017, 9, 11959-11968.	5.6	16
17	Reduced graphene oxide/Fe-phthalocyanine nanosphere cathodes for lithium-ion batteries. <i>Journal of Materials Science</i> , 2018, 53, 9170-9179.	3.7	16
18	Graphene-Based Materials as Strain Sensors in Glass Fiber/Epoxy Model Composites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31338-31345.	8.0	14

#	ARTICLE	IF	CITATIONS
19	Interlayer and interfacial stress transfer in hBN nanosheets. <i>2D Materials</i> , 2021, 8, 035058.	4.4	13
20	Non-covalent functionalization of graphene with a hydrophilic self-limiting monolayer for macro-molecule immobilization. <i>FlatChem</i> , 2017, 1, 52-56.	5.6	12
21	Growth of Large Crystalline Grains of Vanadyl-Phthalocyanine without Epitaxy on Graphene. <i>Advanced Functional Materials</i> , 2016, 26, 1188-1196.	14.9	9
22	Interfacial energy dissipation in bio-inspired graphene nanocomposites. <i>Composites Science and Technology</i> , 2022, 219, 109216.	7.8	9
23	Long-range oriented graphene-like nanosheets with corrugated structure. <i>Chemical Communications</i> , 2018, 54, 13543-13546.	4.1	3