

Sebastian Barwich

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10462202/publications.pdf>

Version: 2024-02-01

12
papers

3,321
citations

759190

12
h-index

1199563

12
g-index

12
all docs

12
docs citations

12
times ranked

6133
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable production of large quantities of defect-free few-layer graphene by shear exfoliation in liquids. <i>Nature Materials</i> , 2014, 13, 624-630.	27.5	1,958
2	Sensitive electromechanical sensors using viscoelastic graphene-polymer nanocomposites. <i>Science</i> , 2016, 354, 1257-1260.	12.6	676
3	High capacity silicon anodes enabled by MXene viscous aqueous ink. <i>Nature Communications</i> , 2019, 10, 849.	12.8	253
4	Additive Manufacturing of Ti ₃ C ₂ MXene-Functionalized Conductive Polymer Hydrogels for Electromagnetic Interference Shielding. <i>Advanced Materials</i> , 2022, 34, e2106253.	21.0	115
5	Exfoliation of 2D materials by high shear mixing. <i>2D Materials</i> , 2019, 6, 015008.	4.4	67
6	Boron nitride nanosheets as barrier enhancing fillers in melt processed composites. <i>Nanoscale</i> , 2015, 7, 4443-4450.	5.6	56
7	A Technique To Pretreat Graphite Which Allows the Rapid Dispersion of Defect-Free Graphene in Solvents at High Concentration. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19212-19218.	3.1	51
8	Graphene-coated polymer foams as tuneable impact sensors. <i>Nanoscale</i> , 2018, 10, 5366-5375.	5.6	50
9	High stiffness nano-composite fibres from polyvinylalcohol filled with graphene and boron nitride. <i>Carbon</i> , 2016, 99, 280-288.	10.3	40
10	On the relationship between morphology and conductivity in nanosheet networks. <i>Carbon</i> , 2021, 171, 306-319.	10.3	22
11	Yielding and flow of highly concentrated, few-layer graphene suspensions. <i>Soft Matter</i> , 2015, 11, 3159-3164.	2.7	17
12	Printable G-putty for Frequency- and Rate-Independent, High-Performance Strain Sensors. <i>Small</i> , 2021, 17, e2006542.	10.0	16