Mustafa Lotya

List of Publications by Year
in descending order

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Version: 2024-02-01

27 papers	23,390 citations	318942 23 h-index	651938 25 g-index
27 all docs	27 docs citations	27 times ranked	28861 citing authors

#	Article	IF	Citations
1	Inkjet Printing of Silver Nanowire Networks. ACS Applied Materials & Interfaces, 2015, 7, 9254-9261.	4.0	235
2	Scalable production of large quantities of defect-free few-layer graphene by shear exfoliation in liquids. Nature Materials, 2014, 13, 624-630.	13.3	1,958
3	Inkjet deposition of liquid-exfoliated graphene and MoS₂nanosheets for printed device applications. Journal of Materials Chemistry C, 2014, 2, 925-932.	2.7	256
4	Experimental and Theoretical Study of the Influence of the State of Dispersion of Graphene on the Percolation Threshold of Conductive Graphene/Polystyrene Nanocomposites. ACS Applied Materials & Interfaces, 2014, 6, 15113-15121.	4.0	41
5	Ultrafast Saturable Absorption of Two-Dimensional MoS₂ Nanosheets. ACS Nano, 2013, 7, 9260-9267.	7.3	905
6	Development of MoS₂â€“CNT Composite Thin Film from Layered MoS₂ for Lithium Batteries. Advanced Energy Materials, 2013, 3, 798-805.	10.2	282
7	Measuring the lateral size of liquid-exfoliated nanosheets with dynamic light scattering. Nanotechnology, 2013, 24, 265703.	1.3	214
8	Percolation scaling in composites of exfoliated MoS2 filled with nanotubes and graphene. Nanoscale, 2012, 4, 6260.	2.8	75
9	Solvent Exfoliation of Transition Metal Dichalcogenides: Dispersibility of Exfoliated Nanosheets Varies Only Weakly between Compounds. ACS Nano, 2012, 6, 3468-3480.	7.3	625
10	Magnetism in nanoscale graphite flakes as seen via electron spin resonance. Physical Review B, 2012, 85, .	1.1	13
11	Transparent conducting films from NbSe₃nanowires. Nanotechnology, 2011, 22, 285202.	1.3	8
12	Two-Dimensional Nanosheets Produced by Liquid Exfoliation of Layered Materials. Science, 2011, 331, 568-571.	6.0	6,190
13	Nonlinear Optical Properties of Graphene and Carbon Nanotube Composites. , 2011, , .		13
14	Electrical Characteristics of Molybdenum Disulfide Flakes Produced by Liquid Exfoliation. Advanced Materials, 2011, 23, 4178-4182.	11.1	224
15	Largeâ€Scale Exfoliation of Inorganic Layered Compounds in Aqueous Surfactant Solutions. Advanced Materials, 2011, 23, 3944-3948.	11.1	1,012
16	Flexible, Transparent, Conducting Films of Randomly Stacked Graphene from Surfactantâ€Stabilized, Oxideâ€Free Graphene Dispersions. Small, 2010, 6, 458-464.	5.2	371
17	Highâ€Concentration Solvent Exfoliation of Graphene. Small, 2010, 6, 864-871.	5.2	908
18	Nonlinear Transmission, Scattering and Optical Limiting Studies of Graphene Dispersions. , 2010, , .		0

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19	The importance of repulsive potential barriers for the dispersion of graphene using surfactants. New Journal of Physics, 2010, 12, 125008.	1.2	254
20	Measurement of Multicomponent Solubility Parameters for Graphene Facilitates Solvent Discovery. Langmuir, 2010, 26, 3208-3213.	1.6	566
21	High-Concentration, Surfactant-Stabilized Graphene Dispersions. ACS Nano, 2010, 4, 3155-3162.	7.3	911
22	Improvement of Transparent Conducting Nanotube Films by Addition of Small Quantities of Graphene. ACS Nano, 2010, 4, 4238-4246.	7.3	111
23	Broadband Nonlinear Optical Response of Graphene Dispersions. Advanced Materials, 2009, 21, 2430-2435.	11.1	486
24	High-pressure Raman spectroscopy of graphene. Physical Review B, 2009, 80, .	1.1	188
25	Liquid Phase Production of Graphene by Exfoliation of Graphite in Surfactant/Water Solutions. Journal of the American Chemical Society, 2009, 131, 3611-3620.	6.6	2,038
26	High-yield production of graphene by liquid-phase exfoliation of graphite. Nature Nanotechnology, 2008, 3, 563-568.	15.6	5,431
27	Large Populations of Individual Nanotubes in Surfactant-Based Dispersions without the Need for Ultracentrifugation. Journal of Physical Chemistry C, 2008, 112, 972-977.	1.5	75