Yenny Hernandez

List of Publications by Year
in descending order

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29 papers	13,103 citations	331670 21 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	17729 citing authors

#	Article	IF	Citations
1	High-yield production of graphene by liquid-phase exfoliation of graphite. Nature Nanotechnology, 2008, 3, 563-568.	31.5	5,431
2	Liquid Phase Production of Graphene by Exfoliation of Graphite in Surfactant/Water Solutions. Journal of the American Chemical Society, 2009, 131, 3611-3620.	13.7	2,038
3	From Nanographene and Graphene Nanoribbons to Graphene Sheets: Chemical Synthesis. Angewandte Chemie - International Edition, 2012, 51, 7640-7654.	13.8	725
4	Graphene as Transparent Electrode Material for Organic Electronics. Advanced Materials, 2011, 23, 2779-2795.	21.0	708
5	Nitrogen-Doped Graphene and Its Iron-Based Composite As Efficient Electrocatalysts for Oxygen Reduction Reaction. ACS Nano, 2012, 6, 9541-9550.	14.6	640
6	Measurement of Multicomponent Solubility Parameters for Graphene Facilitates Solvent Discovery. Langmuir, 2010, 26, 3208-3213.	3.5	566
7	Electrochemically Exfoliated Graphene as Solution-Processable, Highly Conductive Electrodes for Organic Electronics. ACS Nano, 2013, 7, 3598-3606.	14.6	532
8	Broadband Nonlinear Optical Response of Graphene Dispersions. Advanced Materials, 2009, 21, 2430-2435.	21.0	486
9	Synthesis of structurally well-defined and liquid-phase-processable graphene nanoribbons. Nature Chemistry, 2014, 6, 126-132.	13.6	468
10	Flexible, Transparent, Conducting Films of Randomly Stacked Graphene from Surfactantâ€Stabilized, Oxideâ€Free Graphene Dispersions. Small, 2010, 6, 458-464.	10.0	371
11	Structurally Defined Graphene Nanoribbons with High Lateral Extension. Journal of the American Chemical Society, 2012, 134, 18169-18172.	13.7	185
12	A simple method for graphene production based on exfoliation of graphite in water using 1-pyrenesulfonic acid sodium salt. Carbon, 2013, 53, 357-365.	10.3	151
13	Porous Iron Oxide Ribbons Grown on Graphene for High-Performance Lithium Storage. Scientific Reports, 2012, 2, 427.	3.3	119
14	Graphene Nanoribbons as Low Band Gap Donor Materials for Organic Photovoltaics: Quantum Chemical Aided Design. ACS Nano, 2012, 6, 5539-5548.	14.6	99
15	Observation of Percolationâ€like Scaling â€“ Far from the Percolation Threshold â€“ in High Volume Fraction, High Conductivity Polymerâ€Nanotube Composite Films. Advanced Materials, 2007, 19, 4443-4447.	21.0	89
16	Decoupling of CVD graphene by controlled oxidation of recrystallized Cu. RSC Advances, 2012, 2, 3008.	3.6	82
17	Carbonâ€Nanotubeâ€“Polymer Nanocomposites for Fieldâ€Emission Cathodes. Small, 2009, 5, 826-831.	10.0	70
18	Extrinsic Corrugationâ€Assisted Mechanical Exfoliation of Monolayer Graphene. Advanced Materials, 2010, 22, 5374-5377.	21.0	55

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19	High Quality Dispersions of Hexabenzocoronene in Organic Solvents. Journal of the American Chemical Society, 2012, 134, 12168-12179.	13.7	49
20	Graphene-Au nanoparticle based vertical heterostructures: A novel route towards high- ZT Thermoelectric devices. Nano Energy, 2017, 38, 385-391.	16.0	26
21	Preparation of Buckypaperâ€“Copper Composites and Investigation of their Conductivity and Mechanical Properties. ChemPhysChem, 2009, 10, 774-777.	2.1	15
22	Sub-Nanometer Width Armchair Graphene Nanoribbon Energy Gap Atlas. Journal of Physical Chemistry Letters, 2015, 6, 3228-3235.	4.6	13
23	Large thermoelectric figure of merit in graphene layered devices at low temperature. 2D Materials, 2018, 5, 011004.	4.4	11
24	Cross-plane thermoelectric figure of merit in graphene - C60 heterostructures at room temperature. FlatChem, 2019, 14, 100089.	5.6	10
25	Rational Design of Photo-Electrochemical Hybrid Devices Based on Graphene and Chlamydomonas reinhardtii Light-Harvesting Proteins. Scientific Reports, 2020, 10, 3376.	3.3	9
26	Efficient fluorescence quenching in electrochemically exfoliated graphene decorated with gold nanoparticles. Nanotechnology, 2016, 27, 275702.	2.6	6
27	Influence of C=O groups on the optical extinction coefficient of graphene exfoliated in liquid phase. Journal of Physics Condensed Matter, 2022, 34, 105701.	1.8	2
28	Observation of Extremely Low Percolation Threshold in Mo6S4.5I4.5 nanowire/polymer composites. AIP Conference Proceedings, 2005, , .	0.4	1
29	Nonlinear Transmission, Scattering and Optical Limiting Studies of Graphene Dispersions. , 2010, , .		0