

Yenny Hernandez

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

13,103
citations

331259

21
h-index

454577

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. <i>Nature Nanotechnology</i> , 2008, 3, 563-568.	15.6	5,431
2	Liquid Phase Production of Graphene by Exfoliation of Graphite in Surfactant/Water Solutions. <i>Journal of the American Chemical Society</i> , 2009, 131, 3611-3620.	6.6	2,038
3	From Nanographene and Graphene Nanoribbons to Graphene Sheets: Chemical Synthesis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7640-7654.	7.2	725
4	Graphene as Transparent Electrode Material for Organic Electronics. <i>Advanced Materials</i> , 2011, 23, 2779-2795.	11.1	708
5	Nitrogen-Doped Graphene and Its Iron-Based Composite As Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>ACS Nano</i> , 2012, 6, 9541-9550.	7.3	640
6	Measurement of Multicomponent Solubility Parameters for Graphene Facilitates Solvent Discovery. <i>Langmuir</i> , 2010, 26, 3208-3213.	1.6	566
7	Electrochemically Exfoliated Graphene as Solution-Processable, Highly Conductive Electrodes for Organic Electronics. <i>ACS Nano</i> , 2013, 7, 3598-3606.	7.3	532
8	Broadband Nonlinear Optical Response of Graphene Dispersions. <i>Advanced Materials</i> , 2009, 21, 2430-2435.	11.1	486
9	Synthesis of structurally well-defined and liquid-phase-processable graphene nanoribbons. <i>Nature Chemistry</i> , 2014, 6, 126-132.	6.6	468
10	Flexible, Transparent, Conducting Films of Randomly Stacked Graphene from Surfactant-Stabilized, Oxide-Free Graphene Dispersions. <i>Small</i> , 2010, 6, 458-464.	5.2	371
11	Structurally Defined Graphene Nanoribbons with High Lateral Extension. <i>Journal of the American Chemical Society</i> , 2012, 134, 18169-18172.	6.6	185
12	A simple method for graphene production based on exfoliation of graphite in water using 1-pyrenesulfonic acid sodium salt. <i>Carbon</i> , 2013, 53, 357-365.	5.4	151
13	Porous Iron Oxide Ribbons Grown on Graphene for High-Performance Lithium Storage. <i>Scientific Reports</i> , 2012, 2, 427.	1.6	119
14	Graphene Nanoribbons as Low Band Gap Donor Materials for Organic Photovoltaics: Quantum Chemical Aided Design. <i>ACS Nano</i> , 2012, 6, 5539-5548.	7.3	99
15	Observation of Percolation-like Scaling "Far from the Percolation Threshold" in High Volume Fraction, High Conductivity Polymer-Nanotube Composite Films. <i>Advanced Materials</i> , 2007, 19, 4443-4447.	11.1	89
16	Decoupling of CVD graphene by controlled oxidation of recrystallized Cu. <i>RSC Advances</i> , 2012, 2, 3008.	1.7	82
17	Carbon-Nanotube-Polymer Nanocomposites for Field-Emission Cathodes. <i>Small</i> , 2009, 5, 826-831.	5.2	70
18	Extrinsic Corrugation-Assisted Mechanical Exfoliation of Monolayer Graphene. <i>Advanced Materials</i> , 2010, 22, 5374-5377.	11.1	55

#	ARTICLE	IF	CITATIONS
19	High Quality Dispersions of Hexabenzocoronene in Organic Solvents. Journal of the American Chemical Society, 2012, 134, 12168-12179.	6.6	49
20	Graphene-Au nanoparticle based vertical heterostructures: A novel route towards high- ZT Thermoelectric devices. Nano Energy, 2017, 38, 385-391.	8.2	26
21	Preparation of Buckypaperâ€™Copper Composites and Investigation of their Conductivity and Mechanical Properties. ChemPhysChem, 2009, 10, 774-777.	1.0	15
22	Sub-Nanometer Width Armchair Graphene Nanoribbon Energy Gap Atlas. Journal of Physical Chemistry Letters, 2015, 6, 3228-3235.	2.1	13
23	Large thermoelectric figure of merit in graphene layered devices at low temperature. 2D Materials, 2018, 5, 011004.	2.0	11
24	Cross-plane thermoelectric figure of merit in graphene - C60 heterostructures at room temperature. FlatChem, 2019, 14, 100089.	2.8	10
25	Rational Design of Photo-Electrochemical Hybrid Devices Based on Graphene and Chlamydomonas reinhardtii Light-Harvesting Proteins. Scientific Reports, 2020, 10, 3376.	1.6	9
26	Efficient fluorescence quenching in electrochemically exfoliated graphene decorated with gold nanoparticles. Nanotechnology, 2016, 27, 275702.	1.3	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.	0.7	2
28	Observation of Extremely Low Percolation Threshold in Mo6S4.514.5 nanowire/polymer composites. AIP Conference Proceedings, 2005, , .	0.3	1
29	Nonlinear Transmission, Scattering and Optical Limiting Studies of Graphene Dispersions. , 2010, , .		0