

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	Influence of C=O groups on the optical extinction coefficient of graphene exfoliated in liquid phase. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 105701.	1.8	2
2	Rational Design of Photo-Electrochemical Hybrid Devices Based on Graphene and <i>Chlamydomonas reinhardtii</i> Light-Harvesting Proteins. <i>Scientific Reports</i> , 2020, 10, 3376.	3.3	9
3	Cross-plane thermoelectric figure of merit in graphene - C60 heterostructures at room temperature. <i>FlatChem</i> , 2019, 14, 100089.	5.6	10
4	Large thermoelectric figure of merit in graphene layered devices at low temperature. <i>2D Materials</i> , 2018, 5, 011004.	4.4	11
5	Graphene-Au nanoparticle based vertical heterostructures: A novel route towards high-ZT Thermoelectric devices. <i>Nano Energy</i> , 2017, 38, 385-391.	16.0	26
6	Efficient fluorescence quenching in electrochemically exfoliated graphene decorated with gold nanoparticles. <i>Nanotechnology</i> , 2016, 27, 275702.	2.6	6
7	Sub-Nanometer Width Armchair Graphene Nanoribbon Energy Gap Atlas. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3228-3235.	4.6	13
8	Synthesis of structurally well-defined and liquid-phase-processable graphene nanoribbons. <i>Nature Chemistry</i> , 2014, 6, 126-132.	13.6	468
9	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.	10.3	151
10	Electrochemically Exfoliated Graphene as Solution-Processable, Highly Conductive Electrodes for Organic Electronics. <i>ACS Nano</i> , 2013, 7, 3598-3606.	14.6	532
11	Structurally Defined Graphene Nanoribbons with High Lateral Extension. <i>Journal of the American Chemical Society</i> , 2012, 134, 18169-18172.	13.7	185
12	Porous Iron Oxide Ribbons Grown on Graphene for High-Performance Lithium Storage. <i>Scientific Reports</i> , 2012, 2, 427.	3.3	119
13	High Quality Dispersions of Hexabenzocoronene in Organic Solvents. <i>Journal of the American Chemical Society</i> , 2012, 134, 12168-12179.	13.7	49
14	Decoupling of CVD graphene by controlled oxidation of recrystallized Cu. <i>RSC Advances</i> , 2012, 2, 3008.	3.6	82
15	Nitrogen-Doped Graphene and Its Iron-Based Composite As Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>ACS Nano</i> , 2012, 6, 9541-9550.	14.6	640
16	From Nanographene and Graphene Nanoribbons to Graphene Sheets: Chemical Synthesis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7640-7654.	13.8	725
17	Graphene Nanoribbons as Low Band Gap Donor Materials for Organic Photovoltaics: Quantum Chemical Aided Design. <i>ACS Nano</i> , 2012, 6, 5539-5548.	14.6	99
18	Graphene as Transparent Electrode Material for Organic Electronics. <i>Advanced Materials</i> , 2011, 23, 2779-2795.	21.0	708

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19	Extrinsic Corrugation-Assisted Mechanical Exfoliation of Monolayer Graphene. <i>Advanced Materials</i> , 2010, 22, 5374-5377.	21.0	55
20	Flexible, Transparent, Conducting Films of Randomly Stacked Graphene from Surfactant-Stabilized, Oxide-Free Graphene Dispersions. <i>Small</i> , 2010, 6, 458-464.	10.0	371
21	Nonlinear Transmission, Scattering and Optical Limiting Studies of Graphene Dispersions. , 2010, , .		0
22	Measurement of Multicomponent Solubility Parameters for Graphene Facilitates Solvent Discovery. <i>Langmuir</i> , 2010, 26, 3208-3213.	3.5	566
23	Broadband Nonlinear Optical Response of Graphene Dispersions. <i>Advanced Materials</i> , 2009, 21, 2430-2435.	21.0	486
24	Preparation of Buckypaper-Copper Composites and Investigation of their Conductivity and Mechanical Properties. <i>ChemPhysChem</i> , 2009, 10, 774-777.	2.1	15
25	Carbon-Nanotube-Polymer Nanocomposites for Field-Emission Cathodes. <i>Small</i> , 2009, 5, 826-831.	10.0	70
26	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.	13.7	2,038
27	High-yield production of graphene by liquid-phase exfoliation of graphite. <i>Nature Nanotechnology</i> , 2008, 3, 563-568.	31.5	5,431
28	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.	21.0	89
29	Observation of Extremely Low Percolation Threshold in MoS ₂ nanowire/polymer composites. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	1