Yenny Hernandez

List of Publications by Citations

27 papers	11,424 citations	20 h-index	31 g-index
31 ext. papers	12,342 ext. citations	12.4 avg, IF	5.68 L-index

#	Paper	IF	Citations
27	High-yield production of graphene by liquid-phase exfoliation of graphite. *Nature Nanotechnology*, **2008**, 3, 563-8	28.7	4715
26	Liquid phase production of graphene by exfoliation of graphite in surfactant/water solutions. *Journal of the American Chemical Society*, **2009**, 131, 3611-20	16.4	1821
25	From nanographene and graphene nanoribbons to graphene sheets: chemical synthesis. *Angewandte Chemie - International Edition*, **2012**, 51, 7640-54	16.4	614
24	Graphene as transparent electrode material for organic electronics. *Advanced Materials*, **2011**, 23, 2779-95	24	612
23	Nitrogen-doped graphene and its iron-based composite as efficient electrocatalysts for oxygen reduction reaction. *ACS Nano*, **2012**, 6, 9541-50	16.7	578
22	Measurement of multicomponent solubility parameters for graphene facilitates solvent discovery. *Langmuir*, **2010**, 26, 3208-13	4	481
21	Electrochemically exfoliated graphene as solution-processable, highly conductive electrodes for organic electronics. *ACS Nano*, **2013**, 7, 3598-606	16.7	440
20	Broadband Nonlinear Optical Response of Graphene Dispersions. *Advanced Materials*, **2009**, 21, 2430-2435	24	428
19	Synthesis of structurally well-defined and liquid-phase-processable graphene nanoribbons. *Nature Chemistry*, **2014**, 6, 126-32	17.6	384
18	Flexible, transparent, conducting films of randomly stacked graphene from surfactant-stabilized, oxide-free graphene dispersions. *Small*, **2010**, 6, 458-64	11	342
17	Structurally defined graphene nanoribbons with high lateral extension. *Journal of the American Chemical Society*, **2012**, 134, 18169-72	16.4	162
16	A simple method for graphene production based on exfoliation of graphite in water using 1-pyrenesulfonic acid sodium salt. *Carbon*, **2013**, 53, 357-365	10.4	134
15	Die chemische Synthese von Nanographen, Graphen-Nanobändern und Graphen-Schichten. *Angewandte Chemie*, **2012**, 124, 7758-7773	3.6	130
14	Porous iron oxide ribbons grown on graphene for high-performance lithium storage. *Scientific Reports*, **2012**, 2, 427	4.9	112
13	Graphene nanoribbons as low band gap donor materials for organic photovoltaics: quantum chemical aided design. *ACS Nano*, **2012**, 6, 5539-48	16.7	88
12	Observation of Percolation-like Scaling Far from the Percolation Threshold in High Volume Fraction, High Conductivity Polymer-Nanotube Composite Films. *Advanced Materials*, **2007**, 19, 4443-4447	24	84
11	Decoupling of CVD graphene by controlled oxidation of recrystallized Cu. *RSC Advances*, **2012**, 2, 3008	3.7	69

10	Carbon-nanotube-polymer nanocomposites for field-emission cathodes. *Small*, **2009**, 5, 826-31	11	65
9	Extrinsic corrugation-assisted mechanical exfoliation of monolayer graphene. *Advanced Materials*, **2010**, 22, 5374-7	24	52
8	High quality dispersions of hexabenzocoronene in organic solvents. *Journal of the American Chemical Society*, **2012**, 134, 12168-79	16.4	43
7	Graphene-Au nanoparticle based vertical heterostructures: A novel route towards high- ZT Thermoelectric devices. *Nano Energy*, **2017**, 38, 385-391	17.1	19
6	Preparation of buckypaper-copper composites and investigation of their conductivity and mechanical properties. *ChemPhysChem*, **2009**, 10, 774-7	3.2	15
5	Sub-Nanometer Width Armchair Graphene Nanoribbon Energy Gap Atlas. *Journal of Physical Chemistry Letters*, **2015**, 6, 3228-3235	6.4	11
4	Large thermoelectric figure of merit in graphene layered devices at low temperature. *2D Materials*, **2018**, 5, 011004	5.9	8
3	Rational Design of Photo-Electrochemical Hybrid Devices Based on Graphene and Chlamydomonas reinhardtii Light-Harvesting Proteins. *Scientific Reports*, **2020**, 10, 3376	4.9	6
2	Efficient fluorescence quenching in electrochemically exfoliated graphene decorated with gold nanoparticles. *Nanotechnology*, **2016**, 27, 275702	3.4	6
1	Cross-plane thermoelectric figure of merit in graphene - C60 heterostructures at room temperature. *FlatChem*, **2019**, 14, 100089	5.1	4