# Yenny Hernandez

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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 | Rational Design of Photo-Electrochemical Hybrid Devices Based on Graphene and Chlamydomonas reinhardtii Light-Harvesting Proteins. *Scientific Reports*, **2020**, 10, 3376 | 4.9 | 6 |
| 26 | Cross-plane thermoelectric figure of merit in graphene - C60 heterostructures at room temperature. *FlatChem*, **2019**, 14, 100089 | 5.1 | 4 |
| 25 | Large thermoelectric figure of merit in graphene layered devices at low temperature. *2D Materials*, **2018**, 5, 011004 | 5.9 | 8 |
| 24 | Graphene-Au nanoparticle based vertical heterostructures: A novel route towards high- ZT Thermoelectric devices. *Nano Energy*, **2017**, 38, 385-391 | 17.1 | 19 |
| 23 | Efficient fluorescence quenching in electrochemically exfoliated graphene decorated with gold nanoparticles. *Nanotechnology*, **2016**, 27, 275702 | 3.4 | 6 |
| 22 | Sub-Nanometer Width Armchair Graphene Nanoribbon Energy Gap Atlas. *Journal of Physical Chemistry Letters*, **2015**, 6, 3228-3235 | 6.4 | 11 |
| 21 | Synthesis of structurally well-defined and liquid-phase-processable graphene nanoribbons. *Nature Chemistry*, **2014**, 6, 126-32 | 17.6 | 384 |
| 20 | 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 |
| 19 | Electrochemically exfoliated graphene as solution-processable, highly conductive electrodes for organic electronics. *ACS Nano*, **2013**, 7, 3598-606 | 16.7 | 440 |
| 18 | Structurally defined graphene nanoribbons with high lateral extension. *Journal of the American Chemical Society*, **2012**, 134, 18169-72 | 16.4 | 162 |
| 17 | Porous iron oxide ribbons grown on graphene for high-performance lithium storage. *Scientific Reports*, **2012**, 2, 427 | 4.9 | 112 |
| 16 | High quality dispersions of hexabenzocoronene in organic solvents. *Journal of the American Chemical Society*, **2012**, 134, 12168-79 | 16.4 | 43 |
| 15 | Decoupling of CVD graphene by controlled oxidation of recrystallized Cu. *RSC Advances*, **2012**, 2, 3008 | 3.7 | 69 |
| 14 | Nitrogen-doped graphene and its iron-based composite as efficient electrocatalysts for oxygen reduction reaction. *ACS Nano*, **2012**, 6, 9541-50 | 16.7 | 578 |
| 13 | Die chemische Synthese von Nanographen, Graphen-Nanobändern und Graphen-Schichten. *Angewandte Chemie*, **2012**, 124, 7758-7773 | 3.6 | 130 |
| 12 | From nanographene and graphene nanoribbons to graphene sheets: chemical synthesis. *Angewandte Chemie - International Edition*, **2012**, 51, 7640-54 | 16.4 | 614 |
| 11 | Graphene nanoribbons as low band gap donor materials for organic photovoltaics: quantum chemical aided design. *ACS Nano*, **2012**, 6, 5539-48 | 16.7 | 88 |

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|---|---|---|---|
| 10 | Graphene as transparent electrode material for organic electronics. *Advanced Materials*, **2011**, 23, 2779-95 | 24 | 612 |
| 9 | Measurement of multicomponent solubility parameters for graphene facilitates solvent discovery. *Langmuir*, **2010**, 26, 3208-13 | 4 | 481 |
| 8 | Extrinsic corrugation-assisted mechanical exfoliation of monolayer graphene. *Advanced Materials*, **2010**, 22, 5374-7 | 24 | 52 |
| 7 | Flexible, transparent, conducting films of randomly stacked graphene from surfactant-stabilized, oxide-free graphene dispersions. *Small*, **2010**, 6, 458-64 | 11 | 342 |
| 6 | Broadband Nonlinear Optical Response of Graphene Dispersions. *Advanced Materials*, **2009**, 21, 2430-2435 | 24 | 428 |
| 5 | Preparation of buckypaper-copper composites and investigation of their conductivity and mechanical properties. *ChemPhysChem*, **2009**, 10, 774-7 | 3.2 | 15 |
| 4 | Carbon-nanotube-polymer nanocomposites for field-emission cathodes. *Small*, **2009**, 5, 826-31 | 11 | 65 |
| 3 | 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 |
| 2 | High-yield production of graphene by liquid-phase exfoliation of graphite. *Nature Nanotechnology*, **2008**, 3, 563-8 | 28.7 | 4715 |
| 1 | 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 |