Wei Lu

List of Publications by Year
in descending order

29	11,923	304602	477173
papers	citations	22 h-index	29 g-index

29	29	29	18060
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pseudocapacitance controlled fast-charging and long-life lithium ion battery achieved via a 3D mutually embedded VPO4/rGO electrode. Journal of Alloys and Compounds, 2020, 812, 152135.	2.8	18
2	Graphene/Sulfur Hybrid Nanosheets from a Spaceâ€Confined â€œSaunaâ€•Reaction for Highâ€Performance Lithiumâ€“Sulfur Batteries. Advanced Materials, 2015, 27, 5936-5942.	11.1	124
3	Radio-Frequency-Transparent, Electrically Conductive Graphene Nanoribbon Thin Films as Deicing Heating Layers. ACS Applied Materials & Interfaces, 2014, 6, 298-304.	4.0	49
4	High-Yield Synthesis of Boron Nitride Nanoribbons via Longitudinal Splitting of Boron Nitride Nanotubes by Potassium Vapor. ACS Nano, 2014, 8, 9867-9873.	7.3	27
5	Carbon-Based Nanoreporters Designed for Subsurface Hydrogen Sulfide Detection. ACS Applied Materials & Interfaces, 2014, 6, 7652-7658.	4.0	26
6	Electrospun Composite Nanofiber Yarns Containing Oriented Graphene Nanoribbons. ACS Applied Materials & Interfaces, 2013, 5, 6225-6231.	4.0	83
7	Functionalized Graphene Nanoribbons via Anionic Polymerization Initiated by Alkali Metal-Intercalated Carbon Nanotubes. ACS Nano, 2013, 7, 2669-2675.	7.3	35
8	Splitting of a Vertical Multiwalled Carbon Nanotube Carpet to a Graphene Nanoribbon Carpet and Its Use in Supercapacitors. ACS Nano, 2013, 7, 5151-5159.	7.3	71
9	Highly stable carbon nanoparticles designed for downhole hydrocarbon detection. Energy and Environmental Science, 2012, 5, 8304.	15.6	42
10	Dynamic response of exchange bias in graphene nanoribbons. Applied Physics Letters, 2012, 101, 142402.	1.5	4
11	Synthesis of Dispersible Ferromagnetic Graphene Nanoribbon Stacks with Enhanced Electrical Percolation Properties in a Magnetic Field. ACS Nano, 2012, 6, 10396-10404.	7.3	21
12	Carbon Nanotube and Graphene Nanoribbon-Coated Conductive Kevlar Fibers. ACS Applied Materials & Interfaces, 2012, 4, 131-136.	4.0	86
13	In Situ Intercalation Replacement and Selective Functionalization of Graphene Nanoribbon Stacks. ACS Nano, 2012, 6, 4231-4240.	7.3	106
14	Spin Dynamics and Relaxation in Graphene Nanoribbons: Electron Spin Resonance Probing. ACS Nano, 2012, 6, 7615-7623.	7.3	35
15	Nanoscale frictional characteristics of graphene nanoribbons. Applied Physics Letters, 2012, 101, 123104.	1.5	14
16	Grapheneâ€“Niâ€“Î±-MnO2 and â€“Cuâ€“Î±-MnO2 nanowire blends as highly active non-precious metal catalysts for the oxygen reduction reaction. Chemical Communications, 2012, 48, 7931.	2.2	84
17	In situ transmission electron microscopy of electrochemical lithiation, delithiation and deformation of individual graphene nanoribbons. Carbon, 2012, 50, 3836-3844.	5.4	98
18	Engineered nanoparticles for hydrocarbon detection in oil-field rocks. Energy and Environmental Science, 2011, 4, 505-509.	15.6	72

#	Article	IF	Citations
19	Low-Loss, High-Permittivity Composites Made from Graphene Nanoribbons. ACS Applied Materials & Interfaces, 2011, 3, 4657-4661.	4.0	61
20	High Throughput Preparation of Large Area Transparent Electrodes Using Non-Functionalized Graphene Nanoribbons. Chemistry of Materials, 2011, 23, 935-939.	3.2	22
21	Highly Conductive Graphene Nanoribbons by Longitudinal Splitting of Carbon Nanotubes Using Potassium Vapor. ACS Nano, 2011, 5, 968-974.	7.3	204
22	Improved Synthesis of Graphene Oxide. ACS Nano, 2010, 4, 4806-4814.	7.3	10,035
23	Graphene Nanoribbon Composites. ACS Nano, 2010, 4, 7415-7420.	7.3	264
24	Decoration, Migration, and Aggregation of Palladium Nanoparticles on Graphene Sheets. Chemistry of Materials, 2010, 22, 5695-5699.	3.2	186
25	Mechanically Assisted Exfoliation and Functionalization of Thermally Converted Graphene Sheets. Chemistry of Materials, 2009, 21, 3045-3047.	3.2	92
26	Nonlinear DC conduction behavior in epoxy resin/graphite nanosheets composites. Physica B: Condensed Matter, 2007, 400, 229-236.	1.3	28
27	Voltage-induced resistivity relaxation in a high-density polyethylene/graphite nanosheet composite. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 860-863.	2.4	13
28	Nonuniversal transport behavior in heterogeneous high-density polyethylene/graphite nanosheet composites. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 1846-1852.	2.4	5
29	Nonlinear DC response in high-density polyethylene/graphite nanosheets composites. Journal of Materials Science, 2006, 41, 1785-1790.	1.7	18