

# Wei Lu

## List of Publications by Year in descending order

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29  
papers

11,923  
citations

304368

22  
h-index

476904

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g-index

29  
all docs

29  
docs citations

29  
times ranked

18060  
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. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152135.	2.8	18
2	Graphene/Sulfur Hybrid Nanosheets from a Space-Confining Reaction for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2015, 27, 5936-5942.	11.1	124
3	Radio-Frequency-Transparent, Electrically Conductive Graphene Nanoribbon Thin Films as Deicing Heating Layers. <i>ACS Applied Materials &amp; Interfaces</i> , 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. <i>ACS Nano</i> , 2014, 8, 9867-9873.	7.3	27
5	Carbon-Based Nanoreporters Designed for Subsurface Hydrogen Sulfide Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 7652-7658.	4.0	26
6	Electrospun Composite Nanofiber Yarns Containing Oriented Graphene Nanoribbons. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6225-6231.	4.0	83
7	Functionalized Graphene Nanoribbons via Anionic Polymerization Initiated by Alkali Metal-Intercalated Carbon Nanotubes. <i>ACS Nano</i> , 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. <i>ACS Nano</i> , 2013, 7, 5151-5159.	7.3	71
9	Highly stable carbon nanoparticles designed for downhole hydrocarbon detection. <i>Energy and Environmental Science</i> , 2012, 5, 8304.	15.6	42
10	Dynamic response of exchange bias in graphene nanoribbons. <i>Applied Physics Letters</i> , 2012, 101, 142402.	1.5	4
11	Synthesis of Dispersible Ferromagnetic Graphene Nanoribbon Stacks with Enhanced Electrical Percolation Properties in a Magnetic Field. <i>ACS Nano</i> , 2012, 6, 10396-10404.	7.3	21
12	Carbon Nanotube and Graphene Nanoribbon-Coated Conductive Kevlar Fibers. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 131-136.	4.0	86
13	In Situ Intercalation Replacement and Selective Functionalization of Graphene Nanoribbon Stacks. <i>ACS Nano</i> , 2012, 6, 4231-4240.	7.3	106
14	Spin Dynamics and Relaxation in Graphene Nanoribbons: Electron Spin Resonance Probing. <i>ACS Nano</i> , 2012, 6, 7615-7623.	7.3	35
15	Nanoscale frictional characteristics of graphene nanoribbons. <i>Applied Physics Letters</i> , 2012, 101, 123104.	1.5	14
16	Graphene-Ni-MnO <sub>2</sub> and Cu-MnO <sub>2</sub> nanowire blends as highly active non-precious metal catalysts for the oxygen reduction reaction. <i>Chemical Communications</i> , 2012, 48, 7931.	2.2	84
17	In situ transmission electron microscopy of electrochemical lithiation, delithiation and deformation of individual graphene nanoribbons. <i>Carbon</i> , 2012, 50, 3836-3844.	5.4	98
18	Engineered nanoparticles for hydrocarbon detection in oil-field rocks. <i>Energy and Environmental Science</i> , 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