Songfeng Pei

List of Publications by Year
in descending order

38 papers	16,117 citations	201385 27 h-index	301761 39 g-index
40 all docs	40 docs citations	40 times ranked	22122 citing authors

#	Article	IF	Citations
1	The reduction of graphene oxide. Carbon, 2012, 50, 3210-3228.	5.4	4,247
2	Three-dimensional flexible and conductive interconnected graphene networks grown by chemical vapour deposition. Nature Materials, 2011, 10, 424-428.	13.3	3,493
3	Direct reduction of graphene oxide films into highly conductive and flexible graphene films by hydrohalic acids. Carbon, 2010, 48, 4466-4474.	5.4	1,459
4	A Grapheneâ€“Pureâ€Sulfur Sandwich Structure for Ultrafast, Longâ€Life Lithiumâ€“Sulfur Batteries. Advanced Materials, 2014, 26, 625-631.	11.1	908
5	Efficient Preparation of Large-Area Graphene Oxide Sheets for Transparent Conductive Films. ACS Nano, 2010, 4, 5245-5252.	7.3	869
6	Fibrous Hybrid of Graphene and Sulfur Nanocrystals for High-Performance Lithiumâ€“Sulfur Batteries. ACS Nano, 2013, 7, 5367-5375.	7.3	722
7	Field Emission of Singleâ€Layer Graphene Films Prepared by Electrophoretic Deposition. Advanced Materials, 2009, 21, 1756-1760.	11.1	624
8	A Flexible Sulfurâ€Grapheneâ€Polypropylene Separator Integrated Electrode for Advanced Liâ€“S Batteries. Advanced Materials, 2015, 27, 641-647.	11.1	545
9	A flexible nanostructured sulphurâ€“carbon nanotube cathode with high rate performance for Li-S batteries. Energy and Environmental Science, 2012, 5, 8901.	15.6	468
10	Green synthesis of graphene oxide byÂseconds timescale water electrolytic oxidation. Nature Communications, 2018, 9, 145.	5.8	468
11	25th Anniversary Article: Carbon Nanotubeâ€and Grapheneâ€Based Transparent Conductive Films for Optoelectronic Devices. Advanced Materials, 2014, 26, 1958-1991.	11.1	350
12	Superhigh Electromagnetic Interference Shielding of Ultrathin Aligned Pristine Graphene Nanosheets Film. Advanced Materials, 2020, 32, e1907411.	11.1	310
13	Metal-Catalyst-Free Growth of Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2009, 131, 2082-2083.	6.6	258
14	Toward More Reliable Lithiumâ€“Sulfur Batteries: An All-Graphene Cathode Structure. ACS Nano, 2016, 10, 8676-8682.	7.3	246
15	Ultrahigh-voltage integrated micro-supercapacitors with designable shapes and superior flexibility. Energy and Environmental Science, 2019, 12, 1534-1541.	15.6	192
16	CdPS ₃ nanosheets-based membrane with high proton conductivity enabled by Cd vacancies. Science, 2020, 370, 596-600.	6.0	120
17	Co3O4 mesoporous nanostructures@graphene membrane as an integrated anode for long-life lithium-ion batteries. Journal of Power Sources, 2014, 255, 52-58.	4.0	98
18	Bulk growth of mono- to few-layer graphene on nickel particles by chemical vapor deposition from methane. Carbon, 2010, 48, 3543-3550.	5.4	96

#	Article	IF	Citations
19	Tuning the Electrical and Optical Properties of Graphene by Ozone Treatment for Patterning Monolithic Transparent Electrodes. ACS Nano, 2013, 7, 4233-4241.	7.3	84
20	The fabrication of a carbon nanotube transparent conductive film by electrophoretic deposition and hot-pressing transfer. Nanotechnology, 2009, 20, 235707.	1.3	79
21	Localized polyselenides in a graphene-coated polymer separator for high rate and ultralong life lithiumâ€“selenium batteries. Chemical Communications, 2015, 51, 3667-3670.	2.2	63
22	An integrated electrode/separator with nitrogen and nickel functionalized carbon hybrids for advanced lithium/polysulfide batteries. Carbon, 2016, 109, 719-726.	5.4	55
23	Additiveâ€Free Dispersion of Singleâ€Walled Carbon Nanotubes and Its Application for Transparent Conductive Films. Advanced Functional Materials, 2011, 21, 2330-2337.	7.8	51
24	Choice for graphene as conductive additive for cathode of lithium-ion batteries. Journal of Energy Chemistry, 2019, 30, 19-26.	7.1	49
25	Graphene-based integrated electrodes for flexible lithium ion batteries. 2D Materials, 2015, 2, 024004.	2.0	44
26	Dendriteâ€Free Lithium Deposition and Stripping Regulated by Aligned Microchannels for Stable Lithium Metal Batteries. Advanced Functional Materials, 2022, 32, .	7.8	40
27	In Situ Assembly of Multi-Sheeted Buckybooks from Single-Walled Carbon Nanotubes. ACS Nano, 2009, 3, 707-713.	7.3	39
28	High Yield Controlled Synthesis of Nano-Graphene Oxide by Water Electrolytic Oxidation of Glassy Carbon for Metal-Free Catalysis. ACS Nano, 2019, 13, 9482-9490.	7.3	25
29	Patterning flexible single-walled carbon nanotube thin films by an ozone gas exposure method. Carbon, 2013, 53, 4-10.	5.4	23
30	Batteries: A Grapheneâ€“Pureâ€Sulfur Sandwich Structure for Ultrafast, Longâ€Life Lithiumâ€“Sulfur Batteries (Adv. Mater. 4/2014). Advanced Materials, 2014, 26, 664-664.	11.1	21
31	High-performance flexible resistive random access memory devices based on graphene oxidized with a perpendicular oxidation gradient. Nanoscale, 2021, 13, 2448-2455.	2.8	12
32	Ultrastable Interfacial Contacts Enabling Unimpeded Charge Transfer and Ion Diffusion in Flexible Lithiumâ€Ion Batteries. Advanced Science, 2022, 9, e2105419.	5.6	12
33	Aerosol Jet Printing of Graphene and Carbon Nanotube Patterns on Realistically Rugged Substrates. ACS Omega, 2021, 6, 34301-34313.	1.6	11
34	Contamination-free and damage-free patterning of single-walled carbon nanotube transparent conductive films on flexible substrates. Nanoscale, 2011, 3, 4571.	2.8	9
35	Improving flexural strength of UHPC with sustainably synthesized graphene oxide. Nanotechnology Reviews, 2021, 10, 754-767.	2.6	9
36	Investigation on the thermal conductivity of HDPE/MWCNT composites by laser pulse method. Science in China Series D: Earth Sciences, 2009, 52, 2767-2772.	0.9	6

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37	Liâ€“S Batteries: A Flexible Sulfurâ€Grapheneâ€Polypropylene Separator Integrated Electrode for Advanced Liâ€“S Batteries (Adv. Mater. 4/2015). Advanced Materials, 2015, 27, 590-590.	11.1	4
38	Fabrication of Largeâ€Area Uniform Nanometerâ€Thick Functional Layers and Their Stacks for Flexible Quantum Dot Lightâ€Emitting Diodes. Small Methods, 2022, 6, e2101030.	4.6	3