

Songfeng Pei

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38
papers

13,748
citations

25
h-index

40
g-index

40
ext. papers

15,014
ext. citations

16
avg, IF

6.86
L-index

#	Paper	IF	Citations
38	Ultrastable Interfacial Contacts Enabling Unimpeded Charge Transfer and Ion Diffusion in Flexible Lithium-Ion Batteries.. <i>Advanced Science</i> , 2022 , e2105419	13.6	3
37	Fabrication of Large-Area Uniform Nanometer-Thick Functional Layers and Their Stacks for Flexible Quantum Dot Light-Emitting Diodes.. <i>Small Methods</i> , 2022 , 6, e2101030	12.8	0
36	High-performance flexible resistive random access memory devices based on graphene oxidized with a perpendicular oxidation gradient. <i>Nanoscale</i> , 2021 , 13, 2448-2455	7.7	5
35	Improving flexural strength of UHPC with sustainably synthesized graphene oxide. <i>Nanotechnology Reviews</i> , 2021 , 10, 754-767	6.3	1
34	Aerosol Jet Printing of Graphene and Carbon Nanotube Patterns on Realistically Rugged Substrates.. <i>ACS Omega</i> , 2021 , 6, 34301-34313	3.9	2
33	Superhigh Electromagnetic Interference Shielding of Ultrathin Aligned Pristine Graphene Nanosheets Film. <i>Advanced Materials</i> , 2020 , 32, e1907411	24	140
32	CdPS nanosheets-based membrane with high proton conductivity enabled by Cd vacancies. <i>Science</i> , 2020 , 370, 596-600	33.3	36
31	Ultrahigh-voltage integrated micro-supercapacitors with designable shapes and superior flexibility. <i>Energy and Environmental Science</i> , 2019 , 12, 1534-1541	35.4	129
30	High Yield Controlled Synthesis of Nano-Graphene Oxide by Water Electrolytic Oxidation of Glassy Carbon for Metal-Free Catalysis. <i>ACS Nano</i> , 2019 , 13, 9482-9490	16.7	14
29	Choice for graphene as conductive additive for cathode of lithium-ion batteries. <i>Journal of Energy Chemistry</i> , 2019 , 30, 19-26	12	25
28	Green synthesis of graphene oxide by seconds timescale water electrolytic oxidation. <i>Nature Communications</i> , 2018 , 9, 145	17.4	326
27	An integrated electrode/separator with nitrogen and nickel functionalized carbon hybrids for advanced lithium/polysulfide batteries. <i>Carbon</i> , 2016 , 109, 719-726	10.4	51
26	Toward More Reliable Lithium-Sulfur Batteries: An All-Graphene Cathode Structure. <i>ACS Nano</i> , 2016 , 10, 8676-82	16.7	212
25	LiS Batteries: A Flexible Sulfur-Graphene-Polypropylene Separator Integrated Electrode for Advanced LiS Batteries (Adv. Mater. 4/2015). <i>Advanced Materials</i> , 2015 , 27, 590-590	24	4
24	A flexible sulfur-graphene-polypropylene separator integrated electrode for advanced Li-S batteries. <i>Advanced Materials</i> , 2015 , 27, 641-7	24	466
23	Graphene-based integrated electrodes for flexible lithium ion batteries. <i>2D Materials</i> , 2015 , 2, 024004	5.9	37
22	Localized polyselenides in a graphene-coated polymer separator for high rate and ultralong life lithium-selenium batteries. <i>Chemical Communications</i> , 2015 , 51, 3667-70	5.8	56

21	A graphene-pure-sulfur sandwich structure for ultrafast, long-life lithium-sulfur batteries. <i>Advanced Materials</i> , 2014 , 26, 625-31, 664	24	842
20	25th anniversary article: carbon nanotube- and graphene-based transparent conductive films for optoelectronic devices. <i>Advanced Materials</i> , 2014 , 26, 1958-91	24	310
19	Batteries: A Graphene-Pure-Sulfur Sandwich Structure for Ultrafast, Long-Life Lithium-Sulfur Batteries (Adv. Mater. 4/2014). <i>Advanced Materials</i> , 2014 , 26, 664-664	24	16
18	Co ₃ O ₄ mesoporous nanostructures@graphene membrane as an integrated anode for long-life lithium-ion batteries. <i>Journal of Power Sources</i> , 2014 , 255, 52-58	8.9	92
17	Patterning flexible single-walled carbon nanotube thin films by an ozone gas exposure method. <i>Carbon</i> , 2013 , 53, 4-10	10.4	20
16	Tuning the electrical and optical properties of graphene by ozone treatment for patterning monolithic transparent electrodes. <i>ACS Nano</i> , 2013 , 7, 4233-41	16.7	76
15	Fibrous hybrid of graphene and sulfur nanocrystals for high-performance lithium-sulfur batteries. <i>ACS Nano</i> , 2013 , 7, 5367-75	16.7	670
14	A flexible nanostructured sulphur-carbon nanotube cathode with high rate performance for Li-S batteries. <i>Energy and Environmental Science</i> , 2012 , 5, 8901	35.4	422
13	The reduction of graphene oxide. <i>Carbon</i> , 2012 , 50, 3210-3228	10.4	3551
12	Three-dimensional flexible and conductive interconnected graphene networks grown by chemical vapour deposition. <i>Nature Materials</i> , 2011 , 10, 424-8	27	3105
11	Additive-Free Dispersion of Single-Walled Carbon Nanotubes and Its Application for Transparent Conductive Films. <i>Advanced Functional Materials</i> , 2011 , 21, 2330-2337	15.6	47
10	Contamination-free and damage-free patterning of single-walled carbon nanotube transparent conductive films on flexible substrates. <i>Nanoscale</i> , 2011 , 3, 4571-4	7.7	7
9	Efficient preparation of large-area graphene oxide sheets for transparent conductive films. <i>ACS Nano</i> , 2010 , 4, 5245-52	16.7	775
8	Bulk growth of mono- to few-layer graphene on nickel particles by chemical vapor deposition from methane. <i>Carbon</i> , 2010 , 48, 3543-3550	10.4	83
7	Direct reduction of graphene oxide films into highly conductive and flexible graphene films by hydrohalic acids. <i>Carbon</i> , 2010 , 48, 4466-4474	10.4	1305
6	Field Emission of Single-Layer Graphene Films Prepared by Electrophoretic Deposition. <i>Advanced Materials</i> , 2009 , 21, 1756-1760	24	562
5	Investigation on the thermal conductivity of HDPE/MWCNT composites by laser pulse method. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 2767-2772		6
4	Metal-catalyst-free growth of single-walled carbon nanotubes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2082-3	16.4	235

3	In situ assembly of multi-sheeted buckybooks from single-walled carbon nanotubes. <i>ACS Nano</i> , 2009 , 3, 707-13	16.7	38
2	The fabrication of a carbon nanotube transparent conductive film by electrophoretic deposition and hot-pressing transfer. <i>Nanotechnology</i> , 2009 , 20, 235707	3.4	69
1	Dendrite-Free Lithium Deposition and Stripping Regulated by Aligned Microchannels for Stable Lithium Metal Batteries. <i>Advanced Functional Materials</i> , 2200682	15.6	7