Xianglong Li

List of Publications by Year in Descending Order

78 papers	5,650 citations	40 h-index	75 g-index
81 ext. papers	6,165 ext. citations	13.1 avg, IF	5.95 L-index

#	Paper	IF	Citations
78	Scalable Fabrication of Carbon-Networked Size-Tunable V2O3 for Lithium Storage. *ACS Applied Energy Materials*, **2022**, 5, 3757-3765	6.1	0
77	Scalable synthesis of silicon nanoplate-decorated graphite for advanced lithium-ion battery anodes. *Nanoscale*, **2021**, 13, 2820-2824	7.7	2
76	Solid–solid interface growth of conductive metal–organic framework nanowire arrays and their supercapacitor application. *Materials Chemistry Frontiers*, **2020**, 4, 243-251	7.8	22
75	Stable high-capacity and high-rate silicon-based lithium battery anodes upon two-dimensional covalent encapsulation. *Nature Communications*, **2020**, 11, 3826	17.4	92
74	Ultrafast-Charging Silicon-Based Coral-Like Network Anodes for Lithium-Ion Batteries with High Energy and Power Densities. *ACS Nano*, **2019**, 13, 2307-2315	16.7	93
73	A hierarchical layering design for stable, self-restrained and high volumetric binder-free lithium storage. *Nanoscale*, **2019**, 11, 21728-21732	7.7	4
72	Sp2-carbon dominant carbonaceous materials for energy conversion and storage. *Materials Science and Engineering Reports*, **2019**, 137, 1-37	30.9	18
71	Dimensionally Designed Carbon–Silicon Hybrids for Lithium Storage. *Advanced Functional Materials*, **2019**, 29, 1806061	15.6	91
70	Rational Design of Carbon-Rich Materials for Energy Storage and Conversion. *Advanced Materials*, **2019**, 31, e1804973	24	52
69	Graphene hybridization for energy storage applications. *Chemical Society Reviews*, **2018**, 47, 3189-3216	58.5	232
68	A synergistic strategy for stable lithium metal anodes using 3D fluorine-doped graphene shuttle-implanted porous carbon networks. *Nano Energy*, **2018**, 49, 179-185	17.1	92
67	A collaborative strategy for stable lithium metal anodes by using three-dimensional nitrogen-doped graphene foams. *Nanoscale*, **2018**, 10, 4675-4679	7.7	30
66	Scallop-Inspired Shell Engineering of Microparticles for Stable and High Volumetric Capacity Battery Anodes. *Small*, **2018**, 14, e1800752	11	14
65	A Facile Reduction Method for Roll-to-Roll Production of High Performance Graphene-Based Transparent Conductive Films. *Advanced Materials*, **2017**, 29, 1605028	24	54
64	Embedding Reduced Graphene Oxide in Bacterial Cellulose-Derived Carbon Nanofibril Networks for Supercapacitors. *ChemElectroChem*, **2017**, 4, 2448-2452	4.3	11
63	Silicene Flowers: A Dual Stabilized Silicon Building Block for High-Performance Lithium Battery Anodes. *ACS Nano*, **2017**, 11, 7476-7484	16.7	102
62	Reversible Functionalization: A Scalable Way to Deliver the Structure and Interface of Graphene for Different Macro Applications. *Advanced Materials Interfaces*, **2016**, 3, 1500842	4.6	4

61	Controlled functionalization of graphene with carboxyl moieties toward multiple applications. *RSC Advances*, **2016**, 6, 58561-58565	3.7	6
60	Encapsulating V2O5 into carbon nanotubes enables the synthesis of flexible high-performance lithium ion batteries. *Energy and Environmental Science*, **2016**, 9, 906-911	35.4	145
59	A pinecone-inspired nanostructure design for long-cycle and high performance Si anodes. *Journal of Materials Chemistry A*, **2016**, 4, 5395-5401	13	10
58	Graphene-templated formation of 3D tin-based foams for lithium ion storage applications with a long lifespan. *Journal of Materials Chemistry A*, **2016**, 4, 362-367	13	24
57	Graphene□horganic Composites as Electrode Materials for Lithium-Ion Batteries **2016**, 217-249		
56	Continuous carbon nanofiber bundles with tunable pore structures and functions for weavable fibrous supercapacitors. *Energy Storage Materials*, **2016**, 5, 43-49	19.4	13
55	All-biomaterial supercapacitor derived from bacterial cellulose. *Nanoscale*, **2016**, 8, 9146-50	7.7	77
54	Cation-induced fast growth of ultrathin cuprous chloride nanoplatelets. *CrystEngComm*, **2016**, 18, 3340-3342	3.8	1
53	Precursor-Controlled Synthesis of Nanocarbons for Lithium Ion Batteries **2015**, 59-85		
52	High-Performance Silicon Battery Anodes Enabled by Engineering Graphene Assemblies. *Nano Letters*, **2015**, 15, 6222-8	11.5	147
51	Synergistically engineered self-standing silicon/carbon composite arrays as high performance lithium battery anodes. *Journal of Materials Chemistry A*, **2015**, 3, 494-498	13	22
50	Hydrogen reduced graphene oxide/metal grid hybrid film: towards high performance transparent conductive electrode for flexible electrochromic devices. *Carbon*, **2015**, 81, 232-238	10.4	78
49	Reconstruction of Pyrolyzed Bacterial Cellulose (PBC)-Based Three-Dimensional Conductive Network for Silicon Lithium Battery Anodes. *ChemElectroChem*, **2015**, 2, 1238-1242	4.3	7
48	Freestanding carbon-coated CNT/Sn(O2) coaxial sponges with enhanced lithium-ion storage capability. *Nanoscale*, **2015**, 7, 20380-5	7.7	18
47	Approaching the downsizing limit of silicon for surface-controlled lithium storage. *Advanced Materials*, **2015**, 27, 1526-32	24	95
46	A fast room-temperature strategy for direct reduction of graphene oxide films towards flexible transparent conductive films. *Journal of Materials Chemistry A*, **2014**, 2, 10969-10973	13	25
45	Mass production of multi-channeled porous carbon nanofibers and their application as binder-free electrodes for high-performance supercapacitors. *Small*, **2014**, 10, 4671-6	11	38
44	Graphenal polymers for energy storage. *Small*, **2014**, 10, 2122-35	11	29

43	Managing voids of Si anodes in lithium ion batteries. *Nanoscale*, **2013**, 5, 8864-73	7.7	49
42	High volumetric capacity silicon-based lithium battery anodes by nanoscale system engineering. *Nano Letters*, **2013**, 13, 5578-84	11.5	159
41	Macroscopic, flexible, high-performance graphene ribbons. *ACS Nano*, **2013**, 7, 10225-32	16.7	85
40	One-dimensional/two-dimensional hybridization for self-supported binder-free silicon-based lithium ion battery anodes. *Nanoscale*, **2013**, 5, 1470-4	7.7	76
39	Reduced graphene oxide nanoribbon networks: a novel approach towards scalable fabrication of transparent conductive films. *Small*, **2013**, 9, 820-4	11	26
38	Adaptable silicon-carbon nanocables sandwiched between reduced graphene oxide sheets as lithium ion battery anodes. *ACS Nano*, **2013**, 7, 1437-45	16.7	359
37	Hydrogen-induced effects on the CVD growth of high-quality graphene structures. *Nanoscale*, **2013** , 5, 8363-6	7.7	49
36	Pyrolyzed bacterial cellulose: a versatile support for lithium ion battery anode materials. *Small*, **2013**, 9, 2399-404	11	144
35	Contact-engineered and void-involved silicon/carbon nanohybrids as lithium-ion-battery anodes. *Advanced Materials*, **2013**, 25, 3560-5	24	212
34	Carbonaceous electrode materials for supercapacitors. *Advanced Materials*, **2013**, 25, 3899-904	24	513
33	Intrinsic line shape of the Raman 2D-mode in freestanding graphene monolayers. *Nano Letters*, **2013**, 13, 3517-23	11.5	67
32	Intertwined network of Si/C nanocables and carbon nanotubes as lithium-ion battery anodes. *ACS Applied Materials & Interfaces*, **2013**, 5, 6467-72	9.5	46
31	Enhanced transparent conductive properties of graphene/carbon nano-composite films. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 942-5	1.3	2
30	Exploring the interaction between graphene derivatives and metal ions as a key step towards graphene-inorganic nanohybrids. *Chemistry - an Asian Journal*, **2013**, 8, 410-3	4.5	10
29	The effect of metal silicide formation on silicon nanowire-based lithium-ion battery anode capacity. *Journal of Power Sources*, **2012**, 205, 467-473	8.9	32
28	Reduced graphene oxide-mediated growth of uniform tin-core/carbon-sheath coaxial nanocables with enhanced lithium ion storage properties. *Advanced Materials*, **2012**, 24, 1405-9	24	175
27	Carbon Nanotube-Enhanced Growth of Silicon Nanowires as an Anode for High-Performance Lithium-Ion Batteries. *Advanced Energy Materials*, **2012**, 2, 87-93	21.8	85
26	Renewing functionalized graphene as electrodes for high-performance supercapacitors. *Advanced Materials*, **2012**, 24, 6348-55	24	355

25	The dimensionality of Sn anodes in Li-ion batteries. *Materials Today*, **2012**, 15, 544-552	21.8	194
24	Terephthalonitrile-derived nitrogen-rich networks for high performance supercapacitors. *Energy and Environmental Science*, **2012**, 5, 9747	35.4	154
23	Poly (zinc phthalocyanine) Nanoribbons and Their Application in the High-Sensitive Detection of Lead Ions. *Macromolecular Chemistry and Physics*, **2012**, 213, 1051-1059	2.6	9
22	Graphene-confined Sn nanosheets with enhanced lithium storage capability. *Advanced Materials*, **2012**, 24, 3538-43	24	254
21	Noncovalent assembly of carbon nanotube-inorganic hybrids. *Journal of Materials Chemistry*, **2011**, 21, 7527		67
20	Efficient synthesis of tailored magnetic carbon nanotubes via a noncovalent chemical route. *Nanoscale*, **2011**, 3, 668-73	7.7	13
19	Solar cells and light sensors based on nanoparticle-grafted carbon nanotube films. *ACS Nano*, **2010**, 4, 2142-8	16.7	44
18	Tailored single-walled carbon nanotube--CdS nanoparticle hybrids for tunable optoelectronic devices. *ACS Nano*, **2010**, 4, 506-12	16.7	118
17	Large-scale growth and characteristics of N-doped carbon nanotubes with ultra-large cavity. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 1076-9	1.3	
16	Nanomaterial-incorporated blown bubble films for large-area, aligned nanostructures. *Journal of Materials Chemistry*, **2008**, 18, 728		75
15	The formation of recumbent bamboo-like carbon nanotube patterns on a patterned gold substrate by chemical vapor deposition. *Carbon*, **2008**, 46, 255-260	10.4	14
14	Controlled growth of single-walled carbon nanotubes at atmospheric pressure by catalytic decomposition of ethanol and an efficient purification method. *Journal of Materials Chemistry*, **2007**, 17, 357-363		20
13	Synthesis and Device Integration of Carbon Nanotube/Silica Core□Shell Nanowires. *Journal of Physical Chemistry C*, **2007**, 111, 7661-7665	3.8	18
12	A magnetism-assisted chemical vapor deposition method to produce branched or iron-encapsulated carbon nanotubes. *Journal of the American Chemical Society*, **2007**, 129, 7364-8	16.4	36
11	Generic Approach to Modulate Conductivity and Coat Discontinuous Gate Dielectrics of Carbon Nanotubes. *Journal of Physical Chemistry C*, **2007**, 111, 8098-8104	3.8	2
10	A New Technique for Controllably Producing Branched or Encapsulating Nanostructures in a Vapor□Liquid□Solid Process. *Advanced Materials*, **2007**, 19, 386-390	24	28
9	Alkylation and arylation of single-walled carbon nanotubes by mechanochemical method. *Chemical Physics Letters*, **2007**, 444, 258-262	2.5	28
8	Direct enrichment of metallic single-walled carbon nanotubes induced by the different molecular composition of monohydroxy alcohol homologues. *Small*, **2007**, 3, 1486-90	11	46

7	Efficient Synthesis of Carbon Nanotube–Nanoparticle Hybrids. *Advanced Functional Materials*, **2006**, 16, 2431-2437	15.6	106
6	A new method to synthesize complicated multi-branched carbon nanotubes with controlled architecture and composition. *Nano Letters*, **2006**, 6, 186-92	11.5	88
5	Direct route to high-density and uniform assembly of Au nanoparticles on carbon nanotubes. *Carbon*, **2006**, 44, 3139-3142	10.4	23
4	Orientational self-assembled field-effect transistors based on a single-walled carbon nanotube. *Applied Physics Letters*, **2005**, 87, 243102	3.4	7
3	In situ synthesis of CdS nanoparticles on multi-walled carbon nanotubes. *Carbon*, **2004**, 42, 455-458	10.4	63
2	C60 modified single-walled carbon nanotubes. *Chemical Physics Letters*, **2003**, 377, 32-36	2.5	55
1	Concise Route to Functionalized Carbon Nanotubes. *Journal of Physical Chemistry B*, **2003**, 107, 12899-12901	3.4	91