

# Debin Kong

## List of Publications by Year in descending order

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44  
papers

3,202  
citations

186265

28  
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243625

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45  
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45  
docs citations

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times ranked

5077  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inside-out dual-doping effects on tubular catalysts: Structural and chemical variation for advanced oxygen reduction performance. <i>Nano Research</i> , 2022, 15, 361-367.	10.4	18
2	Liquid Metal Remedies Silicon Microparticulates Toward Highly Stable and Superior Volumetric Lithium Storage. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	42
3	“Nano-spring” confined in a shrinkable graphene cage towards self-adaptable high-capacity anodes. <i>Energy Storage Materials</i> , 2022, 50, 554-562.	18.0	10
4	Electrifying Schiff-based networks as model catalysts towards deeply understanding the crucial role of sp <sup>2</sup> -carbon in nitrogen-doped carbocatalyst for oxygen reduction reaction. <i>Applied Surface Science</i> , 2022, 599, 153961.	6.1	2
5	Practical Graphene Technologies for Electrochemical Energy Storage. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	32
6	1000 Wh L <sup>-1</sup> lithium-ion batteries enabled by crosslink-shrunk tough carbon encapsulated silicon microparticle anodes. <i>National Science Review</i> , 2021, 8, nwab012.	9.5	60
7	A template oriented one-dimensional Schiff-base polymer: towards flexible nitrogen-enriched carbonaceous electrodes with ultrahigh electrochemical capacity. <i>Nanoscale</i> , 2021, 13, 19210-19217.	5.6	6
8	Stable high-capacity and high-rate silicon-based lithium battery anodes upon two-dimensional covalent encapsulation. <i>Nature Communications</i> , 2020, 11, 3826.	12.8	193
9	Maximizing pore and heteroatom utilization within N,P-co-doped polypyrrole-derived carbon nanotubes for high-performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2020, 8, 17558-17567.	10.3	64
10	Realizing High Volumetric Lithium Storage by Compact and Mechanically Stable Anode Designs. <i>ACS Energy Letters</i> , 2020, 5, 1986-1995.	17.4	72
11	Flowable sulfur template induced fully interconnected pore structures in graphene artefacts towards high volumetric potassium storage. <i>Nano Energy</i> , 2020, 72, 104729.	16.0	47
12	A thick yet dense silicon anode with enhanced interface stability in lithium storage evidenced by in situ TEM observations. <i>Science Bulletin</i> , 2020, 65, 1563-1569.	9.0	23
13	N,P co-doped hollow carbon nanofiber membranes with superior mass transfer property for trifunctional metal-free electrocatalysis. <i>Nano Energy</i> , 2019, 64, 103879.	16.0	110
14	New insight to the role of edges and heteroatoms in nanocarbons for oxygen reduction reaction. <i>Nano Energy</i> , 2019, 66, 104096.	16.0	79
15	Electrode thickness matching for achieving high-volumetric-performance lithium-ion capacitors. <i>Energy Storage Materials</i> , 2019, 18, 133-138.	18.0	43
16	Chemical tailoring of one-dimensional polypyrrene nanocapsules at a molecular level: towards ideal sulfur hosts for high-performance Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2009-2014.	10.3	10
17	Electrode Design from “Internal” to “External” for High Stability Silicon Anodes in Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14142-14149.	8.0	32
18	Sp <sup>2</sup> -carbon dominant carbonaceous materials for energy conversion and storage. <i>Materials Science and Engineering Reports</i> , 2019, 137, 1-37.	31.8	25

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19	Dimensionally Designed Carbon-Silicon Hybrids for Lithium Storage. <i>Advanced Functional Materials</i> , 2019, 29, 1806061.	14.9	140
20	Two-dimensional materials for lithium/sodium-ion capacitors. <i>Materials Today Energy</i> , 2019, 11, 30-45.	4.7	88
21	Ionothermal strategy towards template-free hierarchical porous carbons for supercapacitive energy storage. <i>Carbon</i> , 2019, 143, 487-493.	10.3	24
22	Enhanced Roles of Carbon Architectures in High-Performance Lithium-Ion Batteries. <i>Nano-Micro Letters</i> , 2019, 11, 5.	27.0	56
23	Rational Design of Carbon-Rich Materials for Energy Storage and Conversion. <i>Advanced Materials</i> , 2019, 31, e1804973.	21.0	74
24	Nitrogen-Enriched Carbon/CNT Composites Based on Schiff-Base Networks: Ultrahigh N Content and Enhanced Lithium Storage Properties. <i>Small</i> , 2018, 14, e1703569.	10.0	31
25	A facile Schiff base chemical approach: towards molecular-scale engineering of N-C interface for high performance lithium-sulfur batteries. <i>Nano Energy</i> , 2018, 46, 365-371.	16.0	32
26	Caging tin oxide in three-dimensional graphene networks for superior volumetric lithium storage. <i>Nature Communications</i> , 2018, 9, 402.	12.8	227
27	WS <sub>2</sub> nanoplates embedded in graphitic carbon nanotubes with excellent electrochemical performance for lithium and sodium storage. <i>Science China Materials</i> , 2018, 61, 671-678.	6.3	29
28	A facile and processable integration strategy towards Schiff-base polymer-derived carbonaceous materials with high lithium storage performance. <i>Nanoscale</i> , 2018, 10, 10351-10356.	5.6	15
29	Structure controllable carbon matrix derived from benzene-constructed porous organic polymers for high-performance Li-S batteries. <i>Carbon</i> , 2017, 116, 633-639.	10.3	16
30	Embedding Reduced Graphene Oxide in Bacterial Cellulose-Derived Carbon Nanofibril Networks for Supercapacitors. <i>ChemElectroChem</i> , 2017, 4, 2448-2452.	3.4	14
31	Energy Storage: Disassembly-Reassembly Approach to RuO <sub>2</sub> /Graphene Composites for Ultrahigh Volumetric Capacitance Supercapacitor (Small 30/2017). <i>Small</i> , 2017, 13, .	10.0	0
32	Disassembly-Reassembly Approach to RuO <sub>2</sub> /Graphene Composites for Ultrahigh Volumetric Capacitance Supercapacitor. <i>Small</i> , 2017, 13, 1701026.	10.0	113
33	Silicene Flowers: A Dual Stabilized Silicon Building Block for High-Performance Lithium Battery Anodes. <i>ACS Nano</i> , 2017, 11, 7476-7484.	14.6	132
34	Twin-functional graphene oxide: compacting with Fe <sub>2</sub> O <sub>3</sub> into a high volumetric capacity anode for lithium ion battery. <i>Energy Storage Materials</i> , 2017, 6, 98-103.	18.0	74
35	Porous graphene oxide-based carbon artefact with high capacity for methylene blue adsorption. <i>Adsorption</i> , 2016, 22, 1043-1050.	3.0	15
36	Continuous carbon nanofiber bundles with tunable pore structures and functions for weavable fibrous supercapacitors. <i>Energy Storage Materials</i> , 2016, 5, 43-49.	18.0	14

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37	All-biomaterial supercapacitor derived from bacterial cellulose. <i>Nanoscale</i> , 2016, 8, 9146-9150.	5.6	97
38	Carbonâ€Networkâ€Integrated SnSiO <sub>x</sub> + <sub>2</sub> Nanofiber Sheathed by Ultrathin Graphitic Carbon for Highly Reversible Lithium Storage. <i>Advanced Energy Materials</i> , 2016, 6, 1502495.	19.5	18
39	Encapsulating V <sub>2</sub> O <sub>5</sub> into carbon nanotubes enables the synthesis of flexible high-performance lithium ion batteries. <i>Energy and Environmental Science</i> , 2016, 9, 906-911.	30.8	162
40	Monolithic carbons with spheroidal and hierarchical pores produced by the linkage of functionalized graphene sheets. <i>Carbon</i> , 2014, 69, 169-177.	10.3	88
41	Tailoring Microstructure of Grapheneâ€Based Membrane by Controlled Removal of Trapped Water Inspired by the Phase Diagram. <i>Advanced Functional Materials</i> , 2014, 24, 3456-3463.	14.9	67
42	Rational design of MoS <sub>2</sub> @graphene nanocables: towards high performance electrode materials for lithium ion batteries. <i>Energy and Environmental Science</i> , 2014, 7, 3320-3325.	30.8	218
43	A novel SnS <sub>2</sub> @graphene nanocable network for high-performance lithium storage. <i>RSC Advances</i> , 2014, 4, 23372-23376.	3.6	44
44	Towards ultrahigh volumetric capacitance: graphene derived highly dense but porous carbons for supercapacitors. <i>Scientific Reports</i> , 2013, 3, 2975.	3.3	541