

# Peng Zheng

## List of Publications by Year in descending order

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30  
papers

735  
citations

471509

17  
h-index

526287

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1185  
citing authors

#	ARTICLE	IF	CITATIONS
1	TiO <sub>2</sub> nanotubes wrapped with reduced graphene oxide as a high-performance anode material for lithium-ion batteries. <i>Scientific Reports</i> , 2016, 6, 36580.	3.3	76
2	Rape seed shuck derived lamellar hard carbon as anodes for sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017, 695, 632-637.	5.5	71
3	Sweet potato-derived carbon nanoparticles as anode for lithium ion battery. <i>RSC Advances</i> , 2015, 5, 40737-40741.	3.6	70
4	Micro-nano structure hard carbon as a high performance anode material for sodium-ion batteries. <i>Scientific Reports</i> , 2016, 6, 35620.	3.3	55
5	Carbon-coated single-crystalline LiMn <sub>2</sub> O <sub>4</sub> nanowires synthesized by high-temperature solid-state reaction with high capacity for Li-ion battery. <i>Journal of Alloys and Compounds</i> , 2018, 741, 1-6.	5.5	35
6	A High-Performance Primary Nanosheet Heterojunction Cathode Composed of Na <sub>0.44</sub> MnO <sub>2</sub> Tunnels and Layered Na <sub>2</sub> Mn <sub>3</sub> O <sub>7</sub> for Na-ion Batteries. <i>ChemSusChem</i> , 2020, 13, 1793-1799.	6.8	35
7	Enhanced Performance by Enlarged Nano-pores of Holly Leaf-derived Lamellar Carbon for Sodium-ion Battery Anode. <i>Scientific Reports</i> , 2016, 6, 26246.	3.3	33
8	Influence of amoxicillin after pre-treatment on the extracellular polymeric substances and microbial community of anaerobic granular sludge. <i>Bioresource Technology</i> , 2019, 276, 81-90.	9.6	33
9	N-doped graphene-wrapped TiO <sub>2</sub> nanotubes with stable surface Ti <sup>3+</sup> for visible-light photocatalysis. <i>Applied Surface Science</i> , 2020, 512, 144549.	6.1	33
10	P-N co-doping induced structural recovery of TiO <sub>2</sub> for overall water splitting under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2014, 615, 79-83.	5.5	32
11	Non-equilibrium partial oxidation of TiN surface for efficient visible-light-driven hydrogen production. <i>Journal of Materials Chemistry</i> , 2012, 22, 12116.	6.7	26
12	Significantly enhanced energy storage performance of flexible composites using sodium bismuth titanate based lead-free fillers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14910-14918.	5.5	26
13	Effect of cephalixin after heterogeneous Fenton-like pretreatment on the performance of anaerobic granular sludge and activated sludge. <i>Chemosphere</i> , 2019, 235, 84-95.	8.2	22
14	A newly characterized exopolysaccharide from <i>Sanghuangporus sanghuang</i> . <i>Journal of Microbiology</i> , 2019, 57, 812-820.	2.8	22
15	Rice husk-derived SiO <sub>x</sub> @carbon nanocomposites as a high-performance bifunctional electrode for rechargeable batteries. <i>Ceramics International</i> , 2020, 46, 11570-11576.	4.8	19
16	Controllable synthesis Honeycomb-like structure SiO <sub>x</sub> /C composites as anode for high-performance lithium-ion batteries. <i>Vacuum</i> , 2021, 186, 110044.	3.5	19
17	One-Pot Template-Free Cross-Linking Synthesis of SiO <sub>x</sub> @SnO <sub>2</sub> @C Hollow Spheres as a High Volumetric Capacity Anode for Lithium-ion Batteries. <i>Energy Technology</i> , 2020, 8, 2000314.	3.8	18
18	CuO nanowire arrays synthesized at room temperature as a high-performance anode material for Li/Na-ion batteries. <i>Thin Solid Films</i> , 2019, 690, 137522.	1.8	17

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19	Improving the capacitance of derived porous carbon by oxygen functional groups for supercapacitor. <i>Materials Letters</i> , 2018, 214, 134-137.	2.6	14
20	Reduction of graphene oxide by Ar-H <sub>2</sub> mixture gas at 200°C with the aid of Pd. <i>Journal of Alloys and Compounds</i> , 2017, 703, 10-12.	5.5	13
21	S nano-layer deposited on the surface of 3D carbon for high cycle-stability Li-S batteries. <i>Journal of Alloys and Compounds</i> , 2018, 737, 1-7.	5.5	13
22	Enhanced Production of Ethyl Lactate in <i>Saccharomyces cerevisiae</i> by Genetic Modification. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13863-13870.	5.2	11
23	Kinetic reconstruction of TiO <sub>2</sub> surfaces as visible-light-active crystalline phases with high photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4907-4911.	10.3	9
24	Pomelo peel-derived lamellar carbon with surface oxygen functional groups for high-performance supercapacitors. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	9
25	Graphene-coated micro/nanostructure hard carbon with improved electrochemical performance for sodium-ion battery. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	7
26	TiO <sub>2</sub> hollow spheres with surface-rich Ti <sup>3+</sup> under Pd-catalyzed hydrogenation for improved visible-light photocatalysis. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	5
27	Nitrogen-doped carbon/SiO <sub>x</sub> composites from rice husks as a high-performance anode for lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16037-16043.	2.2	4
28	Temperature effect on morphology and electrochemical properties of nanostructured ZnO as anode for lithium ion batteries. <i>Micro and Nano Letters</i> , 2016, 11, 535-538.	1.3	3
29	Catalytic graphitization of anthracite-derived carbon as the anode for Li/K-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 4862-4868.	2.2	3
30	Manganese dioxide nanoflakes anchored on reduced graphene oxide with superior electrochemical performance for supercapacitors. <i>Micro and Nano Letters</i> , 2017, 12, 147-150.	1.3	2