

Sang-Hoon Park

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.

40 papers	3,753 citations	21 h-index	40 g-index
40 ext. papers	4,556 ext. citations	12.1 avg, IF	5.36 L-index

#	Paper	IF	Citations
40	Liquid Exfoliated SnP3 Nanosheets for Very High Areal Capacity Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2002364	21.8	17
39	Extra lithium-ion storage capacity enabled by liquid-phase exfoliated indium selenide nanosheets conductive network. <i>Energy and Environmental Science</i> , 2020 , 13, 2124-2133	35.4	20
38	Using chronoamperometry to rapidly measure and quantitatively analyse rate-performance in battery electrodes. <i>Journal of Power Sources</i> , 2020 , 468, 228220	8.9	9
37	0D-1D Hybrid Silicon Nanocomposite as Lithium-Ion Batteries Anodes. <i>Nanomaterials</i> , 2020 , 10,	5.4	4
36	High areal capacity battery electrodes enabled by segregated nanotube networks. <i>Nature Energy</i> , 2019 , 4, 560-567	62.3	153
35	Quantifying the factors limiting rate performance in battery electrodes. <i>Nature Communications</i> , 2019 , 10, 1933	17.4	114
34	Additive-free MXene inks and direct printing of micro-supercapacitors. <i>Nature Communications</i> , 2019 , 10, 1795	17.4	407
33	Quantifying the Trade-Off between Absolute Capacity and Rate Performance in Battery Electrodes. <i>Advanced Energy Materials</i> , 2019 , 9, 1901359	21.8	28
32	High capacity silicon anodes enabled by MXene viscous aqueous ink. <i>Nature Communications</i> , 2019 , 10, 849	17.4	174
31	Microelectronics: Stamping of Flexible, Coplanar Micro-Supercapacitors Using MXene Inks (Adv. Funct. Mater. 9/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870059	15.6	5
30	Bulk metal-derived metal oxide nanoparticles on oxidized carbon surface. <i>Journal of Alloys and Compounds</i> , 2018 , 752, 198-205	5.7	1
29	Stamping of Flexible, Coplanar Micro-Supercapacitors Using MXene Inks. <i>Advanced Functional Materials</i> , 2018 , 28, 1705506	15.6	322
28	TiO-Based Nanomaterials for the Production of Hydrogen and the Development of Lithium-Ion Batteries. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 972-983	3.4	14
27	Synthesis and Advanced Characterisation of Layered Platelets by Self-assembly of Long-chain Amines. <i>Microscopy and Microanalysis</i> , 2018 , 24, 1566-1567	0.5	
26	Oxidation Stability of Colloidal Two-Dimensional Titanium Carbides (MXenes). <i>Chemistry of Materials</i> , 2017 , 29, 4848-4856	9.6	652
25	Lithium Titanate/Carbon Nanotubes Composites Processed by Ultrasound Irradiation as Anodes for Lithium Ion Batteries. <i>Scientific Reports</i> , 2017 , 7, 7614	4.9	12
24	Transparent, Flexible, and Conductive 2D Titanium Carbide (MXene) Films with High Volumetric Capacitance. <i>Advanced Materials</i> , 2017 , 29, 1702678	24	538

23	Enabling Flexible Heterostructures for Li-Ion Battery Anodes Based on Nanotube and Liquid-Phase Exfoliated 2D Gallium Chalcogenide Nanosheet Colloidal Solutions. <i>Small</i> , 2017 , 13, 1701677	11	57
22	Liquid exfoliation of interlayer spacing-tunable 2D vanadium oxide nanosheets: High capacity and rate handling Li-ion battery cathodes. <i>Nano Energy</i> , 2017 , 39, 151-161	17.1	91
21	Highly flexible and transparent solid-state supercapacitors based on RuO ₂ /PEDOT:PSS conductive ultrathin films. <i>Nano Energy</i> , 2016 , 28, 495-505	17.1	197
20	A Commercial Conducting Polymer as Both Binder and Conductive Additive for Silicon Nanoparticle-Based Lithium-Ion Battery Negative Electrodes. <i>ACS Nano</i> , 2016 , 10, 3702-13	16.7	320
19	Three-dimensional graphene-based spheres and crumpled balls: micro- and nano-structures, synthesis strategies, properties and applications. <i>RSC Advances</i> , 2016 , 6, 50941-50967	3.7	24
18	EELS probing of lithium based 2-D battery compounds processed by liquid phase exfoliation. <i>Nano Energy</i> , 2016 , 30, 18-26	17.1	6
17	High-coulombic-efficiency Si-based hybrid microspheres synthesized by the combination of graphene and IL-derived carbon. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20935-20943	13	20
16	Reversible Capacity Enhancement of Zinc-Manganese Mixed Oxide through Nanoscale Electrochemical Wiring with Carbon Nanotubes. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A1990-A1996	3.9	1996
15	Template-Free Synthesis of Ruthenium Oxide Nanotubes for High-Performance Electrochemical Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 16686-93	9.5	22
14	Co ₃ O ₄ -reduced graphene oxide nanocomposite synthesized by microwave-assisted hydrothermal process for Li-ion batteries. <i>Electronic Materials Letters</i> , 2015 , 11, 282-287	2.9	17
13	Spray-Assisted Deep-Frying Process for the In Situ Spherical Assembly of Graphene for Energy-Storage Devices. <i>Chemistry of Materials</i> , 2015 , 27, 457-465	9.6	78
12	Highly dispersible surface-unzipped multi-walled carbon nanotubes as binder-free electrodes for supercapacitor applications. <i>Current Applied Physics</i> , 2015 , 15, S21-S26	2.6	10
11	Spine-like nanostructured carbon interconnected by graphene for high-performance supercapacitors. <i>Scientific Reports</i> , 2014 , 4, 6118	4.9	20
10	Nanosheet-assembled 3D nanoflowers of ruthenium oxide with superior rate performance for supercapacitor applications. <i>RSC Advances</i> , 2014 , 4, 16115-16120	3.7	18
9	Phase transition method to form Group 6A nanoparticles on carbonaceous templates. <i>ACS Nano</i> , 2014 , 8, 2279-89	16.7	11
8	In Situ Synthesis of Three-Dimensional Self-Assembled Metal Oxide/Reduced Graphene Oxide Architecture. <i>Chemistry of Materials</i> , 2014 , 26, 4838-4843	9.6	44
7	Morphology-controlled graphene nanosheets as anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2014 , 132, 172-179	6.7	48
6	One-step preparation of reduced graphene oxide/carbon nanotube hybrid thin film by electrostatic spray deposition for supercapacitor applications. <i>Metals and Materials International</i> , 2014 , 20, 975-981	2.4	14

5	Morphology control of three-dimensional carbon nanotube macrostructures fabricated using ice-templating method. <i>Journal of Porous Materials</i> , 2013 , 20, 1289-1297	2.4	14
4	Self-assembly of Si entrapped graphene architecture for high-performance Li-ion batteries. <i>Electrochemistry Communications</i> , 2013 , 34, 117-120	5.1	44
3	In situ chemical synthesis of ruthenium oxide/reduced graphene oxide nanocomposites for electrochemical capacitor applications. <i>Nanoscale</i> , 2013 , 5, 6804-11	7.7	56
2	Solid-state microwave irradiation synthesis of high quality graphene nanosheets under hydrogen containing atmosphere. <i>Journal of Materials Chemistry</i> , 2011 , 21, 680-686		128
1	Microwave-polyol synthesis of nanocrystalline ruthenium oxide nanoparticles on carbon nanotubes for electrochemical capacitors. <i>Electrochimica Acta</i> , 2010 , 55, 8056-8061	6.7	41