

Yongmin Ko

List of Publications by Citations

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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.

23
papers

654
citations

11
h-index

25
g-index

29
ext. papers

782
ext. citations

15.9
avg, IF

4.17
L-index

#	Paper	IF	Citations
23	Flexible supercapacitor electrodes based on real metal-like cellulose papers. <i>Nature Communications</i> , 2017 , 8, 536	17.4	237
22	High-power hybrid biofuel cells using layer-by-layer assembled glucose oxidase-coated metallic cotton fibers. <i>Nature Communications</i> , 2018 , 9, 4479	17.4	84
21	Hydrophobic nanoparticle-based nanocomposite films using in situ ligand exchange layer-by-layer assembly and their nonvolatile memory applications. <i>ACS Nano</i> , 2013 , 7, 143-53	16.7	76
20	Ultrathin supercapacitor electrodes with high volumetric capacitance and stability using direct covalent-bonding between pseudocapacitive nanoparticles and conducting materials. <i>Nano Energy</i> , 2015 , 12, 612-625	17.1	43
19	A Metal-Like Conductive Elastomer with a Hierarchical Wrinkled Structure. <i>Advanced Materials</i> , 2020 , 32, e1906460	24	34
18	Amphiphilic layer-by-layer assembly overcoming solvent polarity between aqueous and nonpolar media. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17213-23	16.4	28
17	Highly conductive electrocatalytic gold nanoparticle-assembled carbon fiber electrode for high-performance glucose-based biofuel cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13495-13505	13	23
16	Room-Temperature Metallic Fusion-Induced Layer-by-Layer Assembly for Highly Flexible Electrode Applications. <i>Advanced Functional Materials</i> , 2019 , 29, 1806584	15.6	18
15	Stitchable supercapacitors with high energy density and high rate capability using metal nanoparticle-assembled cotton threads. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 20421-20432	13	17
14	Thin-Film Electrode Design for High Volumetric Electrochemical Performance Using Metal Sputtering-Combined Ligand Exchange Layer-by-Layer Assembly. <i>Advanced Functional Materials</i> , 2018 , 28, 1804926	15.6	15
13	High-performance electrochromic films with fast switching times using transparent/conductive nanoparticle-modulated charge transfer. <i>Nanoscale</i> , 2019 , 11, 17815-17830	7.7	13
12	Layer-by-layer assembled (high-energy carbon nanotube/conductive carbon nanotube)n nanocomposites for high volumetric capacitance supercapacitor electrodes. <i>RSC Advances</i> , 2016 , 6, 21844-21853	2.7	10
11	Aluminum textile-based binder-free nanostructured battery cathodes using a layer-by-layer assembly of metal/metal oxide nanoparticles. <i>Applied Physics Reviews</i> , 2021 , 8, 011405	17.3	9
10	Nanoparticle-Based Electrodes with High Charge Transfer Efficiency through Ligand Exchange Layer-by-Layer Assembly. <i>Advanced Materials</i> , 2020 , 32, e2001924	24	8
9	Amphiphilic ligand exchange reaction-induced supercapacitor electrodes with high volumetric and scalable areal capacitances. <i>Applied Surface Science</i> , 2018 , 440, 730-740	6.7	7
8	Layer-by-Layer Assembly of Inorganic Nanosheets and Polyelectrolytes for Reverse Osmosis Composite Membranes. <i>Journal of Chemical Engineering of Japan</i> , 2014 , 47, 180-186	0.8	7
7	Textile-Type Lithium-Ion Battery Cathode Enabling High Specific/Areal Capacities and High Rate Capability through Ligand Replacement Reaction-Mediated Assembly. <i>Advanced Energy Materials</i> , 2021 , 11, 2101631	21.8	7

6	Interfacial Design and Assembly for Flexible Energy Electrodes with Highly Efficient Energy Harvesting, Conversion, and Storage. <i>Advanced Energy Materials</i> , 2021 , 11, 2002969	21.8	7
5	Layer-by-Layer Assembly-Based Electrocatalytic Fibril Electrodes Enabling Extremely Low Overpotentials and Stable Operation at 1 A/cm ² in Water-Splitting Reaction. <i>Advanced Functional Materials</i> , 2021 , 31, 2102530	15.6	3
4	Charge-Transfer Effects of Organic Ligands on Energy Storage Performance of Oxide Nanoparticle-Based Electrodes. <i>Advanced Functional Materials</i> , 2106438	15.6	3
3	Conductive Elastomers: A Metal-Like Conductive Elastomer with a Hierarchical Wrinkled Structure (Adv. Mater. 7/2020). <i>Advanced Materials</i> , 2020 , 32, 2070051	24	1
2	Charge Transfer: Interfacial Design and Assembly for Flexible Energy Electrodes with Highly Efficient Energy Harvesting, Conversion, and Storage (Adv. Energy Mater. 27/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170108	21.8	0
1	Nanoparticle-Based Electrodes: Nanoparticle-Based Electrodes with High Charge Transfer Efficiency through Ligand Exchange Layer-by-Layer Assembly (Adv. Mater. 51/2020). <i>Advanced Materials</i> , 2020 , 32, 2070382	24	