

Doo-Young Youn

List of Publications by Year in descending order

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26
papers

1,854
citations

430874

18
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

3219
citing authors

#	ARTICLE	IF	CITATIONS
1	Thin-Wall Assembled SnO ₂ Fibers Functionalized by Catalytic Pt Nanoparticles and their Superior Exhaled-Breath Sensing Properties for the Diagnosis of Diabetes. <i>Advanced Functional Materials</i> , 2013, 23, 2357-2367.	14.9	328
2	Selective Diagnosis of Diabetes Using Pt-Functionalized WO ₃ Hemitube Networks As a Sensing Layer of Acetone in Exhaled Breath. <i>Analytical Chemistry</i> , 2013, 85, 1792-1796.	6.5	276
3	Hollow ZnO Nanofibers Fabricated Using Electrospun Polymer Templates and Their Electronic Transport Properties. <i>ACS Nano</i> , 2009, 3, 2623-2631.	14.6	208
4	A High-Capacity and Long-Cycle-Life Lithium-Ion Battery Anode Architecture: Silver Nanoparticle-Decorated SnO ₂ /NiO Nanotubes. <i>ACS Nano</i> , 2016, 10, 11317-11326.	14.6	177
5	Hybrid crystalline-ITO/metal nanowire mesh transparent electrodes and their application for highly flexible perovskite solar cells. <i>NPG Asia Materials</i> , 2016, 8, e282-e282.	7.9	89
6	Fabrication and gas sensing properties of hollow SnO ₂ hemispheres. <i>Chemical Communications</i> , 2009, 4019.	4.1	85
7	Exhaled VOCs sensing properties of WO ₃ nanofibers functionalized by Pt and IrO ₂ nanoparticles for diagnosis of diabetes and halitosis. <i>Journal of Electroceramics</i> , 2012, 29, 106-116.	2.0	79
8	Formation of a Surficial Bifunctional Nanolayer on Nb ₂ O ₅ for Ultrastable Electrodes for Lithium-Ion Battery. <i>Small</i> , 2017, 13, 1603610.	10.0	74
9	Mesoporous orthorhombic Nb ₂ O ₅ nanofibers as pseudocapacitive electrodes with ultra-stable Li storage characteristics. <i>Journal of Power Sources</i> , 2017, 360, 434-442.	7.8	68
10	Wireless Real-Time Temperature Monitoring of Blood Packages: Silver Nanowire-Embedded Flexible Temperature Sensors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44678-44685.	8.0	58
11	Facile synthesis and electrochemical properties of RuO ₂ nanofibers with ionically conducting hydrous layer. <i>Journal of Materials Chemistry</i> , 2010, 20, 9172.	6.7	57
12	Synergistic Coupling of Metallic Cobalt Nitride Nanofibers and IrO ₂ Nanoparticle Catalysts for Stable Oxygen Evolution. <i>Chemistry of Materials</i> , 2018, 30, 5941-5950.	6.7	57
13	Synthesis of Ni-based co-catalyst functionalized W:BiVO ₄ nanofibers for solar water oxidation. <i>Green Chemistry</i> , 2016, 18, 944-950.	9.0	50
14	Tailored Combination of Low Dimensional Catalysts for Efficient Oxygen Reduction and Evolution in Li-O ₂ Batteries. <i>ChemSusChem</i> , 2016, 9, 2080-2088.	6.8	39
15	Facile Synthesis of Highly Conductive RuO ₂ -Mn ₃ O ₄ Composite Nanofibers via Electrospinning and Their Electrochemical Properties. <i>Journal of the Electrochemical Society</i> , 2011, 158, A970.	2.9	36
16	Crystalline IrO ₂ -decorated TiO ₂ nanofiber scaffolds for robust and sustainable solar water oxidation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 5610.	10.3	34
17	Cu Microbelt Network Embedded in Colorless Polyimide Substrate: Flexible Heater Platform with High Optical Transparency and Superior Mechanical Stability. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39650-39656.	8.0	29
18	Violacein-embedded nanofiber filters with antiviral and antibacterial activities. <i>Chemical Engineering Journal</i> , 2022, 444, 136460.	12.7	19

#	ARTICLE	IF	CITATIONS
19	Highly flexible transparent electrodes using a silver nanowires-embedded colorless polyimide film via chemical modification. RSC Advances, 2016, 6, 30331-30336.	3.6	17
20	Three-Dimensional, Submicron Porous Electrode with a Density Gradient to Enhance Charge Carrier Transport. ACS Nano, 2022, 16, 9762-9771.	14.6	17
21	Free-Standing Carbon Nanofibers Protected by a Thin Metallic Iridium Layer for Extended Life-Cycle Li-air Batteries. ACS Applied Materials & Interfaces, 2020, 12, 55756-55765.	8.0	16
22	Metal nanotrough embedded colorless polyimide films: transparent conducting electrodes with exceptional flexibility and high conductivity. Nanoscale, 2018, 10, 7927-7932.	5.6	12
23	Straightforward strategy toward a shape-deformable carbon-free cathode for flexible Li-air batteries in ambient air. Nano Energy, 2021, 83, 105821.	16.0	12
24	Stable and High-Capacity Si Electrodes with Free-Standing Architecture for Lithium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 208-217.	5.1	9
25	Sensors: Thin-Wall Assembled SnO ₂ Fibers Functionalized by Catalytic Pt Nanoparticles and their Superior Exhaled-Breath-Sensing Properties for the Diagnosis of Diabetes (Adv. Funct. Mater.) Tj ETQq14.190.784814 rgBT	14.1	10
26	Tailored Combination of Low Dimensional Catalysts for Efficient Oxygen Reduction and Evolution in Li-O ₂ Batteries. ChemSusChem, 2016, 9, 2007-2007.	6.8	2