

# Yong-Tae Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

330  
citations

758635

12  
h-index

839053

18  
g-index

21  
all docs

21  
docs citations

21  
times ranked

387  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Liquefied-Natural-Gas-Derived Vertical Carbon Layer Deposited on SiO as Cost-Effective Anode for Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2022, 169, 020528.  | 1.3 | 9         |
| 2  | Stainless steel: A high potential material for green electrochemical energy storage and conversion. <i>Chemical Engineering Journal</i> , 2022, 440, 135459.   | 6.6 | 22        |
| 3  | Trace amounts of Ru-doped Ni-Fe oxide bone-like structures via single-step anodization: a flexible and bifunctional electrode for efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12041-12050. | 5.2 | 30        |
| 4  | Electrochemical synthesis of zinc ricinoleate and its application in ammonia adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105083.   | 3.3 | 0         |
| 5  | 10 $\mu$ m-thick MoO <sub>3</sub> -coated TiO <sub>2</sub> nanotubes as a volume expansion regulated binder-free anode for lithium ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 96, 364-370.        | 2.9 | 10        |
| 6  | Dual-carbon-confined hydrangea-like SiO cluster for high-performance and stable lithium ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 101, 397-404.  | 2.9 | 12        |
| 7  | Ni <sub>0.67</sub> Fe <sub>0.33</sub> Hydroxide Incorporated with Oxalate for Highly Efficient Oxygen Evolution Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 42870-42879.                                     | 4.0 | 30        |
| 8  | Photoelectrochemical water oxidation in anodic TiO <sub>2</sub> nanotubes array: Importance of mass transfer. <i>Electrochemistry Communications</i> , 2021, 132, 107133.  | 2.3 | 4         |
| 9  | Phase-tuned nanoporous vanadium pentoxide as binder-free cathode for lithium ion battery. <i>Electrochimica Acta</i> , 2020, 330, 135192.  | 2.6 | 17        |
| 10 | In-situ Precipitation-induced Growth of Leaf-like CuO Nanostructures on Cu-Ni Alloys for Binder-Free Anodes in Li-Ion Batteries. <i>ChemSusChem</i> , 2020, 13, 419-425.   | 3.6 | 13        |
| 11 | Reuse of wastewater discharged from thermal-plasma decomposition of chlorodifluoromethane: Production of titanium dioxide nanopowder. <i>Journal of Cleaner Production</i> , 2020, 250, 119542.                                      | 4.6 | 4         |
| 12 | Self-activated anodic nanoporous stainless steel electrocatalysts with high durability for the hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2020, 364, 137315.  | 2.6 | 26        |
| 13 | Controlled contribution of Ni and Cr cations to stainless steel 304 electrode: Effect of electrochemical oxidation on electrocatalytic properties. <i>Electrochemistry Communications</i> , 2020, 117, 106770.                       | 2.3 | 10        |
| 14 | Inverse-direction Growth of TiO <sub>2</sub> Microcones by Subsequent Anodization in HClO <sub>4</sub> for Increased Performance of Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2020, 7, 1248-1255.                              | 1.7 | 3         |
| 15 | Anion additives in rapid breakdown anodization for nonmetal-doped TiO <sub>2</sub> nanotube powders. <i>Electrochemistry Communications</i> , 2019, 109, 106610.   | 2.3 | 12        |
| 16 | Catalyst-Doped Anodic TiO <sub>2</sub> Nanotubes: Binder-Free Electrodes for (Photo)Electrochemical Reactions. <i>Catalysts</i> , 2018, 8, 555.  | 1.6 | 30        |
| 17 | Morphology Dependence on Surface-Enhanced Raman Scattering Using Gold Nanorod Arrays Consisting of Agglomerated Nanoparticles. <i>Plasmonics</i> , 2017, 12, 203-208.  | 1.8 | 15        |
| 18 | High density Ag nanobranches decorated with sputtered Au nanoparticles for surface-enhanced Raman spectroscopy. <i>Applied Surface Science</i> , 2017, 410, 525-529.   | 3.1 | 19        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Sputter-deposited ZnO thin films consisting of nano-networks for binder-free dye-sensitized solar cells. <i>Current Applied Physics</i> , 2013, 13, 381-385.     | 1.1 | 6         |
| 20 | Fabrication of hierarchical ZnO nanostructures for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2012, 78, 417-421.                                   | 2.6 | 42        |
| 21 | Facile and rapid synthesis of zinc oxalate nanowires and their decomposition into zinc oxide nanowires. <i>Journal of Crystal Growth</i> , 2010, 312, 2946-2951. | 0.7 | 16        |