

# Yong-Tae Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6017724/publications.pdf>

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	Fabrication of hierarchical ZnO nanostructures for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2012, 78, 417-421.	2.6	42
2	Catalyst-Doped Anodic TiO <sub>2</sub> Nanotubes: Binder-Free Electrodes for (Photo)Electrochemical Reactions. <i>Catalysts</i> , 2018, 8, 555.	1.6	30
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	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
5	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
6	Stainless steel: A high potential material for green electrochemical energy storage and conversion. <i>Chemical Engineering Journal</i> , 2022, 440, 135459.	6.6	22
7	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
8	Phase-tuned nanoporous vanadium pentoxide as binder-free cathode for lithium ion battery. <i>Electrochimica Acta</i> , 2020, 330, 135192.	2.6	17
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	Electrochemical synthesis of zinc ricinoleate and its application in ammonia adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105083.	3.3	0