

# Moonsu Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3542588/publications.pdf>

Version: 2024-02-01

15  
papers

237  
citations

932766

10  
h-index

996533

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric cell design for decoupled hydrogen and oxygen evolution paired with V(II)/V(III) redox mediator. <i>Catalysis Today</i> , 2022, 403, 67-73.	2.2	3
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	Electric field-driven one-step formation of vertical p-n junction TiO <sub>2</sub> nanotubes exhibiting strong photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2021, 9, 2239-2247.	5.2	8
4	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
5	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
6	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
7	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
8	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
9	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
10	Nanocellulose-modified Nafion 212 Membrane for Improving Performance of Vanadium Redox Flow Batteries. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 533-538.	1.0	6
11	Catalyst-Doped Anodic TiO <sub>2</sub> Nanotubes: Binder-Free Electrodes for (Photo)Electrochemical Reactions. <i>Catalysts</i> , 2018, 8, 555.	1.6	30
12	Enhanced VRB electrochemical performance using tungsten as an electrolyte additive. <i>Electrochimica Acta</i> , 2017, 246, 190-196.	2.6	11
13	Bi-functional anodic TiO <sub>2</sub> oxide: Nanotubes for wettability control and barrier oxide for uniform coloring. <i>Applied Surface Science</i> , 2017, 407, 353-360.	3.1	12
14	Non-nickel-based sealing of anodic porous aluminum oxide in NaAlO <sub>2</sub> . <i>Surface and Coatings Technology</i> , 2017, 310, 106-112.	2.2	15
15	High-performance bipolar plate of thin IrO <sub>x</sub> -coated TiO <sub>2</sub> nanotubes in vanadium redox flow batteries. <i>Catalysis Today</i> , 2017, 295, 132-139.	2.2	26