

# Woo-Jae Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

321  
citations

758635

12  
h-index

839053

18  
g-index

22  
all docs

22  
docs citations

22  
times ranked

372  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of highly dispersed Pt nanoparticles into carbon supports by fluidized bed reactor atomic layer deposition to boost PEMFC performance. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	60
2	Ultrathin effective TiN protective films prepared by plasma-enhanced atomic layer deposition for high performance metallic bipolar plates of polymer electrolyte membrane fuel cells. <i>Applied Surface Science</i> , 2020, 519, 146215.	3.1	33
3	Hierarchical Nanoporous BiVO <sub>4</sub> Photoanodes with High Charge Separation and Transport Efficiency for Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 14291-14301.	4.0	22
4	Atomic layer deposition enabled PtNi alloy catalysts for accelerated fuel-cell oxygen reduction activity and stability. <i>Chemical Engineering Journal</i> , 2022, 442, 136123.	6.6	22
5	Atomic Layer Deposition of Pt Thin Films Using Dimethyl (<i>N</i>,<i>N</i>-Dimethyl-3-Butene-1-Amine-<i>N</i>) Platinum and O <sub>2</sub> Reactant. <i>Chemistry of Materials</i> , 2019, 31, 5056-5064.	3.2	21
6	Facile syntheses and electrochemical properties of Ni(OH) <sub>2</sub> nanosheets/porous Ni foam for supercapacitor application. <i>Materials Letters</i> , 2019, 256, 126656.	1.3	19
7	Electrical and optical properties of Ti doped ZnO films grown on glass substrate by atomic layer deposition. <i>Materials Research Bulletin</i> , 2014, 57, 23-28.	2.7	17
8	Uniform and Size- Controlled Synthesis of Pt Nanoparticle Catalyst by Fluidized Bed Reactor Atomic Layer Deposition for PEMFCs. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901210.	1.9	17
9	Atomic Layer Deposition Seeded Growth of Rutile SnO <sub>2</sub> Nanowires on Versatile Conducting Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 48486-48494.	4.0	16
10	Controllable size and crystallinity of Ru nanoparticles on a carbon support synthesized by fluidized bed reactor-atomic layer deposition for enhanced hydrogen oxidation activity. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17223-17230.	5.2	14
11	In Situ Engineering of a Metal Oxide Protective Layer into Pt/Carbon Fuel-Cell Catalysts by Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2022, 34, 5949-5959.	3.2	14
12	Optimization of bending durability of Ti-ZnO thin films on flexible glass substrates with highly enhanced optoelectronic characteristics by atomic layer deposition. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 075501.	0.8	12
13	Enhancing Water Oxidation Activity by Tuning Two-Dimensional Architectures and Compositions on CoMo Hydr(oxy)oxide. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16879-16887.	1.5	11
14	Electrical and Corrosion Properties of Titanium Aluminum Nitride Thin Films Prepared by Plasma-Enhanced Atomic Layer Deposition. <i>Journal of Materials Science and Technology</i> , 2017, 33, 295-299.	5.6	8
15	Comparative study of the electrical characteristics of ALD ZnO thin films using H <sub>2</sub> O and H <sub>2</sub> O <sub>2</sub> as the oxidants. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5881-5889.	1.9	8
16	Phosphate-Assisted Dispersion of Iron Phosphide in Carbon Nanosheets towards Efficient and Durable ORR Catalysts in Acidic and Alkaline Media. <i>ChemCatChem</i> , 2021, 13, 4431-4441.	1.8	8
17	Effect of ZnO and SnO <sub>2</sub> Nanolayers at Grain Boundaries on Thermoelectric Properties of Polycrystalline Skutterudites. <i>Nanomaterials</i> , 2020, 10, 2270.	1.9	5
18	Plasma-Enhanced Atomic Layer Deposition of TiN Thin Films as an Effective Se Diffusion Barrier for CIGS Solar Cells. <i>Nanomaterials</i> , 2021, 11, 370.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Effect of the Film Thickness on the Work Function of Pt-Ru Bimetallic Alloy Films by Atomic Layer Deposition. Journal of the Korean Physical Society, 2019, 75, 1-4.	0.3	4
20	Atomic Layer Deposition: Uniform and Sizeâ€Controlled Synthesis of Pt Nanoparticle Catalyst by Fluidized Bed Reactor Atomic Layer Deposition for PEMFCs (Adv. Mater. Interfaces 21/2019). Advanced Materials Interfaces, 2019, 6, 1970133.	1.9	2
21	Dataset for TiN Thin Films Prepared by Plasma-Enhanced Atomic Layer Deposition Using Tetrakis(dimethylamino)titanium (TDMAT) and Titanium Tetrachloride (TiCl <sub>4</sub> ) Precursor. Data in Brief, 2020, 31, 105777.	0.5	2
22	Structural and Electrical Properties of Atomic Layer Deposited PtRu Bimetallic Alloy Thin Films. Coatings, 2022, 12, 101.	1.2	1