

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	Structural and Electrical Properties of Atomic Layer Deposited PtRu Bimetallic Alloy Thin Films. Coatings, 2022, 12, 101.	1.2	1
2	Atomic layer deposition enabled PtNi alloy catalysts for accelerated fuel-cell oxygen reduction activity and stability. Chemical Engineering Journal, 2022, 442, 136123.	6.6	22
3	In Situ Engineering of a Metal Oxide Protective Layer into Pt/Carbon Fuel-Cell Catalysts by Atomic Layer Deposition. Chemistry of Materials, 2022, 34, 5949-5959.	3.2	14
4	Controllable size and crystallinity of Ru nanoparticles on a carbon support synthesized by fluidized bed reactor-atomic layer deposition for enhanced hydrogen oxidation activity. Journal of Materials Chemistry A, 2021, 9, 17223-17230.	5.2	14
5	Plasma-Enhanced Atomic Layer Deposition of TiN Thin Films as an Effective Se Diffusion Barrier for CIGS Solar Cells. Nanomaterials, 2021, 11, 370.	1.9	5
6	Hierarchical Nanoporous BiVO ₄ Photoanodes with High Charge Separation and Transport Efficiency for Water Oxidation. ACS Applied Materials & Interfaces, 2021, 13, 14291-14301.	4.0	22
7	Phosphate-Assisted Dispersion of Iron Phosphide in Carbon Nanosheets towards Efficient and Durable ORR Catalysts in Acidic and Alkaline Media. ChemCatChem, 2021, 13, 4431-4441.	1.8	8
8	Atomic Layer Deposition Seeded Growth of Rutile SnO ₂ Nanowires on Versatile Conducting Substrates. ACS Applied Materials & Interfaces, 2020, 12, 48486-48494.	4.0	16
9	Effect of ZnO and SnO ₂ Nanolayers at Grain Boundaries on Thermoelectric Properties of Polycrystalline Skutterudites. Nanomaterials, 2020, 10, 2270.	1.9	5
10	Enhancing Water Oxidation Activity by Tuning Two-Dimensional Architectures and Compositions on CoMo Hydr(oxy)oxide. Journal of Physical Chemistry C, 2020, 124, 16879-16887.	1.5	11
11	Dataset for TiN Thin Films Prepared by Plasma-Enhanced Atomic Layer Deposition Using Tetrakis(dimethylamino)titanium (TDMAT) and Titanium Tetrachloride (TiCl ₄) Precursor. Data in Brief, 2020, 31, 105777.	0.5	2
12	Synthesis of highly dispersed Pt nanoparticles into carbon supports by fluidized bed reactor atomic layer deposition to boost PEMFC performance. NPG Asia Materials, 2020, 12, .	3.8	60
13	Ultrathin effective TiN protective films prepared by plasma-enhanced atomic layer deposition for high performance metallic bipolar plates of polymer electrolyte membrane fuel cells. Applied Surface Science, 2020, 519, 146215.	3.1	33
14	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
15	Optimization of bending durability of Ti-ZnO thin films on flexible glass substrates with highly enhanced optoelectronic characteristics by atomic layer deposition. Japanese Journal of Applied Physics, 2019, 58, 075501.	0.8	12
16	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 O₂ Reactant. Chemistry of Materials, 2019, 31, 5056-5064.	3.2	21
17	Atomic Layer Deposition: Uniform and Size-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
18	Uniform and Size-Controlled Synthesis of Pt Nanoparticle Catalyst by Fluidized Bed Reactor Atomic Layer Deposition for PEMFCs. Advanced Materials Interfaces, 2019, 6, 1901210.	1.9	17

#	ARTICLE	IF	CITATIONS
19	Facile syntheses and electrochemical properties of Ni(OH) ₂ nanosheets/porous Ni foam for supercapacitor application. <i>Materials Letters</i> , 2019, 256, 126656.	1.3	19
20	Comparative study of the electrical characteristics of ALD ZnO thin films using H ₂ O and H ₂ O ₂ as the oxidants. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5881-5889.	1.9	8
21	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
22	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