

Sang Yun Jeong

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Domain-engineered BiFeO ₃ thin-film photoanodes for highly enhanced ferroelectric solar water splitting. <i>Nano Research</i> , 2018, 11, 642-655.	10.4	88
2	Tailoring Crystallographic Orientations to Substantially Enhance Charge Separation Efficiency in Anisotropic BiVO ₄ Photoanodes. <i>ACS Catalysis</i> , 2018, 8, 5952-5962.	11.2	85
3	Efficient Light Absorption by GaN Truncated Nanocones for High Performance Water Splitting Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28672-28678.	8.0	57
4	Enhanced Photocatalytic Performance Depending on Morphology of Bismuth Vanadate Thin Film Synthesized by Pulsed Laser Deposition. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 505-512.	8.0	50
5	Template-engineered epitaxial BiVO ₄ photoanodes for efficient solar water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18831-18838.	10.3	42
6	Plasmonic Silver Nanoparticle-Impregnated Nanocomposite BiVO ₄ Photoanode for Plasmon-Enhanced Photocatalytic Water Splitting. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7088-7093.	3.1	42
7	Controlled Band Offsets in Ultrathin Hematite for Enhancing the Photoelectrochemical Water Splitting Performance of Heterostructured Photoanodes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 7788-7795.	8.0	35
8	Large enhancement of the photovoltaic effect in ferroelectric complex oxides through bandgap reduction. <i>Scientific Reports</i> , 2016, 6, 28313.	3.3	34
9	Plasmonic gold nanoparticle-decorated BiVO ₄ /ZnO nanowire heterostructure photoanodes for efficient water oxidation. <i>Catalysis Science and Technology</i> , 2018, 8, 3759-3766.	4.1	34
10	Photoelectrochemical Device Designs toward Practical Solar Water Splitting: A Review on the Recent Progress of BiVO ₄ and BiFeO ₃ Photoanodes. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1388.	2.5	32
11	Nonequilibrium Deposition in Epitaxial BiVO ₄ Thin Film Photoanodes for Improving Solar Water Oxidation Performance. <i>Chemistry of Materials</i> , 2018, 30, 5673-5681.	6.7	20
12	Oxygen stoichiometry controlled sharp insulator-metal transition in highly oriented VO ₂ /TiO ₂ thin films. <i>Current Applied Physics</i> , 2018, 18, 652-657.	2.4	19
13	Large enhancement of the photocurrent density in N-doped Cu ₃ N films through bandgap reduction. <i>Journal of the Korean Ceramic Society</i> , 2020, 57, 345-351.	2.3	10
14	Reversible magnetoelectric switching in multiferroic three-dimensional nanocup heterostructure films. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	8
15	Enhancement of Ferroelectric Properties of Superlattice-Based Epitaxial BiFeO ₃ Thin Films via Substitutional Doping Effect. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11564-11571.	3.1	5
16	Transition Metal Dichalcogenides: Direct In Situ Growth of Centimeter-Scale Multi-Heterojunction MoS ₂ /WS ₂ /WSe ₂ Thin-Film Catalyst for Photo-Electrochemical Hydrogen Evolution (<i>Adv. Sci.</i> 13/2019). <i>Advanced Science</i> , 2019, 6, 1970079.	11.2	3