Taemin Ludvic Kim

List of Publications by Year
in descending order

21	906	567281 15	752698 20
papers	citations	h-index	g-index

22	22	22	1543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Suppression of metal-to-insulator transition using strong interfacial coupling at cubic and orthorhombic perovskite oxide heterointerfaces. Nanoscale, 2021, 13, 708-715.	5.6	0
2	Enhanced Oxygen Evolution Electrocatalysis in Strained A-Site Cation Deficient LaNiO₃ Perovskite Thin Films. Nano Letters, 2020, 20, 8040-8045.	9.1	61
3	In Situ Growth of Nanostructured BiVO₄â€“Bi₂O₃ Mixed-Phase via Nonequilibrium Deposition Involving Metal Exsolution for Enhanced Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 44069-44076.	8.0	18
4	Dualâ€Phase Allâ€Inorganic Cesium Halide Perovskites for Conductingâ€Bridge Memoryâ€Based Artificial Synapses. Advanced Functional Materials, 2019, 29, 1906686.	14.9	79
5	Lead-Free All-Inorganic Cesium Tin Iodide Perovskite for Filamentary and Interface-Type Resistive Switching toward Environment-Friendly and Temperature-Tolerant Nonvolatile Memories. ACS Applied Materials & Interfaces, 2019, 11, 8155-8163.	8.0	133
6	Tailoring of Interfacial Band Offsets by an Atomically Thin Polar Insulating Layer To Enhance the Water-Splitting Performance of Oxide Heterojunction Photoanodes. Nano Letters, 2019, 19, 5897-5903.	9.1	22
7	Enhancement of Ferroelectric Properties of Superlattice-Based Epitaxial BiFeO₃ Thin Films via Substitutional Doping Effect. Journal of Physical Chemistry C, 2019, 123, 11564-11571.	3.1	5
8	Conducting Bridge Resistive Switching Behaviors in Cubic MAPbI₃, Orthorhombic RbPbI₃, and Their Mixtures. Advanced Electronic Materials, 2019, 5, 1800586.	5.1	33
9	Data Storage: Airâ€Stable Cesium Lead Iodide Perovskite for Ultraâ€Low Operating Voltage Resistive Switching (Adv. Funct. Mater. 5/2018). Advanced Functional Materials, 2018, 28, 1870029.	14.9	4
10	Airâ€Stable Cesium Lead Iodide Perovskite for Ultraâ€Low Operating Voltage Resistive Switching. Advanced Functional Materials, 2018, 28, 1705783.	14.9	177
11	Domain-engineered BiFeO3 thin-film photoanodes for highly enhanced ferroelectric solar water splitting. Nano Research, 2018, 11, 642-655.	10.4	88
12	Tailoring Crystallographic Orientations to Substantially Enhance Charge Separation Efficiency in Anisotropic BiVO₄ Photoanodes. ACS Catalysis, 2018, 8, 5952-5962.	11.2	85
13	Boosting interfacial charge transfer for efficient water-splitting photoelectrodes: progress in bismuth vanadate photoanodes using various strategies. MRS Communications, 2018, 8, 809-822.	1.8	8
14	Nonequilibrium Deposition in Epitaxial BiVO₄ Thin Film Photoanodes for Improving Solar Water Oxidation Performance. Chemistry of Materials, 2018, 30, 5673-5681.	6.7	20
15	Microscopic Evidence for Strong Interaction between Pd and Graphene Oxide that Results in Metalâ€Decorationâ€Induced Reduction of Graphene Oxide. Advanced Materials, 2017, 29, 1605929.	21.0	32
16	Enhanced Photocatalytic Performance Depending on Morphology of Bismuth Vanadate Thin Film Synthesized by Pulsed Laser Deposition. ACS Applied Materials & Interfaces, 2017, 9, 505-512.	8.0	50
17	Graphene Oxide: Microscopic Evidence for Strong Interaction between Pd and Graphene Oxide that Results in Metalâ€Decorationâ€Induced Reduction of Graphene Oxide (Adv. Mater. 15/2017). Advanced Materials, 2017, 29, .	21.0	1
18	Tailoring two-dimensional electron gas conductivity at oxide heterointerfaces. Current Applied Physics, 2017, 17, 626-639.	2.4	10

#	Article	IF	Citations
19	Domain engineering in BiFeO3 thin films. Current Applied Physics, 2017, 17, 688-703.	2.4	16
20	Template-engineered epitaxial BiVO₄ photoanodes for efficient solar water splitting. Journal of Materials Chemistry A, 2017, 5, 18831-18838.	10.3	42
21	Toward High-Performance Hematite Nanotube Photoanodes: Charge-Transfer Engineering at Heterointerfaces. ACS Applied Materials & Interfaces, 2016, 8, 23793-23800.	8.0	22