

# Taemin Ludvic Kim

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12042904/publications.pdf>

Version: 2024-02-01

21  
papers

906  
citations

567281

15  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1543  
citing authors

#	ARTICLE	IF	CITATIONS
1	Airâ€Stable Cesium Lead Iodide Perovskite for Ultraâ€Low Operating Voltage Resistive Switching. <i>Advanced Functional Materials</i> , 2018, 28, 1705783.	14.9	177
2	Lead-Free All-Inorganic Cesium Tin Iodide Perovskite for Filamentary and Interface-Type Resistive Switching toward Environment-Friendly and Temperature-Tolerant Nonvolatile Memories. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 8155-8163.	8.0	133
3	Domain-engineered BiFeO <sub>3</sub> thin-film photoanodes for highly enhanced ferroelectric solar water splitting. <i>Nano Research</i> , 2018, 11, 642-655.	10.4	88
4	Tailoring Crystallographic Orientations to Substantially Enhance Charge Separation Efficiency in Anisotropic BiVO <sub>4</sub> Photoanodes. <i>ACS Catalysis</i> , 2018, 8, 5952-5962.	11.2	85
5	Dualâ€Phase Allâ€Inorganic Cesium Halide Perovskites for Conductingâ€Bridge Memoryâ€Based Artificial Synapses. <i>Advanced Functional Materials</i> , 2019, 29, 1906686.	14.9	79
6	Enhanced Oxygen Evolution Electrocatalysis in Strained A-Site Cation Deficient LaNiO <sub>3</sub> Perovskite Thin Films. <i>Nano Letters</i> , 2020, 20, 8040-8045.	9.1	61
7	Enhanced Photocatalytic Performance Depending on Morphology of Bismuth Vanadate Thin Film Synthesized by Pulsed Laser Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 505-512.	8.0	50
8	Template-engineered epitaxial BiVO <sub>4</sub> photoanodes for efficient solar water splitting. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18831-18838.	10.3	42
9	Conducting Bridge Resistive Switching Behaviors in Cubic MAPbI <sub>3</sub> , Orthorhombic RbPbI <sub>3</sub> , and Their Mixtures. <i>Advanced Electronic Materials</i> , 2019, 5, 1800586.	5.1	33
10	Microscopic Evidence for Strong Interaction between Pd and Graphene Oxide that Results in Metalâ€Decorationsâ€Induced Reduction of Graphene Oxide. <i>Advanced Materials</i> , 2017, 29, 1605929.	21.0	32
11	Toward High-Performance Hematite Nanotube Photoanodes: Charge-Transfer Engineering at Heterointerfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 23793-23800.	8.0	22
12	Tailoring of Interfacial Band Offsets by an Atomically Thin Polar Insulating Layer To Enhance the Water-Splitting Performance of Oxide Heterojunction Photoanodes. <i>Nano Letters</i> , 2019, 19, 5897-5903.	9.1	22
13	Nonequilibrium Deposition in Epitaxial BiVO <sub>4</sub> Thin Film Photoanodes for Improving Solar Water Oxidation Performance. <i>Chemistry of Materials</i> , 2018, 30, 5673-5681.	6.7	20
14	In Situ Growth of Nanostructured BiVO <sub>4</sub> â€Bi <sub>2</sub> O <sub>3</sub> Mixed-Phase via Nonequilibrium Deposition Involving Metal Exsolution for Enhanced Photoelectrochemical Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 44069-44076.	8.0	18
15	Domain engineering in BiFeO <sub>3</sub> thin films. <i>Current Applied Physics</i> , 2017, 17, 688-703.	2.4	16
16	Tailoring two-dimensional electron gas conductivity at oxide heterointerfaces. <i>Current Applied Physics</i> , 2017, 17, 626-639.	2.4	10
17	Boosting interfacial charge transfer for efficient water-splitting photoelectrodes: progress in bismuth vanadate photoanodes using various strategies. <i>MRS Communications</i> , 2018, 8, 809-822.	1.8	8
18	Enhancement of Ferroelectric Properties of Superlattice-Based Epitaxial BiFeO <sub>3</sub> Thin Films via Substitutional Doping Effect. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11564-11571.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Data Storage: Air-Stable Cesium Lead Iodide Perovskite for Ultra-Low Operating Voltage Resistive Switching (Adv. Funct. Mater. 5/2018). Advanced Functional Materials, 2018, 28, 1870029.	14.9	4
20	Graphene Oxide: Microscopic Evidence for Strong Interaction between Pd and Graphene Oxide that Results in Metal-Decoration-Induced Reduction of Graphene Oxide (Adv. Mater. 15/2017). Advanced Materials, 2017, 29, .	21.0	1
21	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