Hyunho Kim

List of Publications by Year in Descending Order

24 papers	1,454 citations	12 h-index	25 g-index
25 ext. papers	2,023 ext. citations	16.7 avg, IF	5.47 L-index

#	Paper	IF	Citations
24	Growth of Two-Dimensional Materials at the Wafer Scale. *Advanced Materials*, **2021**, e2108258	24	9
23	Muscle Fatigue Sensor Based on Ti C T MXene Hydrogel.. *Small Methods*, **2021**, 5, e2100819	12.8	5
22	High-Yield Ti C T MXene-MoS Integrated Circuits. *Advanced Materials*, **2021**, e2107370	24	4
21	Dopant-Assisted Matrix Stabilization Enables Thermoelectric Performance Enhancement in n-Type Quantum Dot Films. *ACS Applied Materials & Interfaces*, **2021**, 13, 18999-19007	9.5	0
20	Generation of multi-dimensional defect structures for synergetic engineering of hole and phonon transport: enhanced thermoelectric performance in Sb and Cu co-doped GeTe. *Inorganic Chemistry Frontiers*, **2021**, 8, 2782-2787	6.8	4
19	All-Solution-Processed Quantum Dot Electrical Double-Layer Transistors Enhanced by Surface Charges of TiCT MXene Contacts. *ACS Nano*, **2021**, 15, 5221-5229	16.7	12
18	Photothermoelectric Response of TiCT MXene Confined Ion Channels. *ACS Nano*, **2020**, 14, 9042-9049	16.7	25
17	MXene Printing and Patterned Coating for Device Applications. *Advanced Materials*, **2020**, 32, e1908486	24	116
16	Ultrasound-Driven Two-Dimensional TiCT MXene Hydrogel Generator. *ACS Nano*, **2020**, 14, 3199-3207	16.7	43
15	MXetronics: MXene-Enabled Electronic and Photonic Devices **2020**, 2, 55-70		78
14	Titanium Carbide MXene Nucleation Layer for Epitaxial Growth of High-Quality GaN Nanowires on Amorphous Substrates. *ACS Nano*, **2020**, 14, 2202-2211	16.7	5
13	Iontronics Using VCT MXene-Derived Metal-Organic Framework Solid Electrolytes. *ACS Nano*, **2020**, 14, 9840-9847	16.7	10
12	Highly Passivated n-Type Colloidal Quantum Dots for Solution-Processed Thermoelectric Generators with Large Output Voltage. *Advanced Energy Materials*, **2019**, 9, 1901244	21.8	9
11	Solar Cells: MXene-Contacted Silicon Solar Cells with 11.5% Efficiency (Adv. Energy Mater. 22/2019). *Advanced Energy Materials*, **2019**, 9, 1970083	21.8	3
10	MXene-Contacted Silicon Solar Cells with 11.5% Efficiency. *Advanced Energy Materials*, **2019**, 9, 1900180	21.8	117
9	MXetronics: Electronic and photonic applications of MXenes. *Nano Energy*, **2019**, 60, 179-197	17.1	128
8	Highly Stretchable and Air-Stable PEDOT:PSS/Ionic Liquid Composites for Efficient Organic Thermoelectrics. *Chemistry of Materials*, **2019**, 31, 3519-3526	9.6	51

7	Heteroatom-Mediated Interactions between Ruthenium Single Atoms and an MXene Support for Efficient Hydrogen Evolution. *Advanced Materials*, **2019**, 31, e1903841	24	197
6	Low-Temperature-Processed Colloidal Quantum Dots as Building Blocks for Thermoelectrics. *Advanced Energy Materials*, **2019**, 9, 1803049	21.8	11
5	Oxide Thin-Film Electronics using All-MXene Electrical Contacts. *Advanced Materials*, **2018**, 30, e1706656	24	113
4	Thin-Film Electronics: Oxide Thin-Film Electronics using All-MXene Electrical Contacts (Adv. Mater. 15/2018). *Advanced Materials*, **2018**, 30, 1870103	24	
3	MXenes stretch hydrogel sensor performance to new limits. *Science Advances*, **2018**, 4, eaat0098	14.3	334
2	Oxidant-Dependent Thermoelectric Properties of Undoped ZnO Films by Atomic Layer Deposition. *Chemistry of Materials*, **2017**, 29, 2794-2802	9.6	17
1	Thermoelectric Properties of Two-Dimensional Molybdenum-Based MXenes. *Chemistry of Materials*, **2017**, 29, 6472-6479	9.6	163