

Jeong Hun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

286
citations

1040056

9
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

506
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote Manipulation of Droplets on a Flexible Magnetically Responsive Film. <i>Scientific Reports</i> , 2015, 5, 17843.	3.3	75
2	Multiscale structured low-temperature solid oxide fuel cells with 13 W power at 500 Å°C. <i>Energy and Environmental Science</i> , 2020, 13, 3459-3468.	30.8	51
3	Improved Ferroelectric Switching in Sputtered HfZrO _x Device Enabled by High Pressure Annealing. <i>IEEE Electron Device Letters</i> , 2020, 41, 232-235.	3.9	18
4	Artificial Perspiration Membrane by Programmed Deformation of Thermoresponsive Hydrogels. <i>Advanced Materials</i> , 2020, 32, e1905901.	21.0	17
5	Optimized annealing conditions to enhance stability of polarization in sputtered HfZrO _x layers for non-volatile memory applications. <i>Current Applied Physics</i> , 2020, 20, 1441-1446.	2.4	15
6	Self-Powered Autonomous Wireless Sensor Node by Using Silicon-Based 3D Thermoelectric Energy Generator for Environmental Monitoring Application. <i>Energies</i> , 2020, 13, 674.	3.1	15
7	Experimental and Theoretical Investigation of the Effect of Filler Material on the Performance of Flexible and Rigid Thermoelectric Generators. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61275-61285.	8.0	14
8	Recent Advancements in Emerging Neuromorphic Device Technologies. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000111.	6.1	13
9	Tailoring ceramic membrane structures of solid oxide fuel cells via polymer-assisted electro spray deposition. <i>Journal of Membrane Science</i> , 2017, 544, 234-242.	8.2	12
10	Exploiting defective RRAM array as synapses of HTM spatial pooler with boost-factor adjustment scheme for defect-tolerant neuromorphic systems. <i>Scientific Reports</i> , 2020, 10, 11703.	3.3	9
11	A highly activated and integrated nanoscale interlayer of cathodes in low-temperature solid oxide fuel cells via precursor-solution electro spray method. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4476-4483.	7.1	8
12	Enhanced Directional Adhesion Behavior of Mushroom-Shaped Microline Arrays. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2020, 7, 239-245.	4.9	8
13	Ferroelectric Switching in Trilayer Al ₂ O ₃ /HfZrO _x /Al ₂ O ₃ Structure. <i>Micromachines</i> , 2020, 11, 910.	2.9	7
14	Partial wrinkle generation for switchable attachment and high adhesion hysteresis. <i>International Journal of Precision Engineering and Manufacturing</i> , 2017, 18, 133-137.	2.2	6
15	Vapor-Mediated Infiltration of Nanocatalysts for Low-Temperature Solid Oxide Fuel Cells Using Electro sprayed Dendrites. <i>Nano Letters</i> , 2021, 21, 10186-10192.	9.1	5
16	Recent Advancements in Emerging Neuromorphic Device Technologies. <i>Advanced Intelligent Systems</i> , 2020, 2, 2070101.	6.1	4
17	Repetitive Cleavage of Elastomeric Membrane via Controlled Interfacial Fracture. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11734-11740.	8.0	3
18	Capillary-Induced Clustering of Thermoresponsive Micropillars. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58201-58208.	8.0	3

#	ARTICLE	IF	CITATIONS
19	Crack-free cathode of intermediate-temperature solid oxide fuel cells via electrospray deposition. International Journal of Applied Ceramic Technology, 0, , .	2.1	1
20	Clustering Transition in Thermo-responsive Micropillars. Small Structures, 0, , 2200023.	12.0	1
21	Impact of Variability Issues of Resistive Memory Synapses on Pattern Recognition Systems. , 2020, , .		0