

Jin Kyu Han

List of Publications by Year in descending order

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18
papers

516
citations

933447

10
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

1043
citing authors

#	ARTICLE	IF	CITATIONS
1	Wafer-scale, Homogeneous MoS ₂ Layers on Plastic Substrates for Flexible Visible Light Photodetectors. <i>Advanced Materials</i> , 2016, 28, 5025-5030.	21.0	189
2	Toward Arbitrary Direction Energy Harvesting through Flexible Piezoelectric Nanogenerators Using Perovskite PbTiO ₃ Nanotube Arrays. <i>Advanced Materials</i> , 2017, 29, 1604500.	21.0	65
3	Roll-to-roll Production of Layer-controlled Molybdenum Disulfide: A Platform for 2D Semiconductor-based Industrial Applications. <i>Advanced Materials</i> , 2018, 30, 1705270.	21.0	65
4	Atomic-level Customization of 4 in. Transition Metal Dichalcogenide Multilayer Alloys for Industrial Applications. <i>Advanced Materials</i> , 2019, 31, e1901405.	21.0	52
5	Tunable piezoelectric nanogenerators using flexoelectricity of well-ordered hollow 2D MoS ₂ shells arrays for energy harvesting. <i>Nano Energy</i> , 2019, 61, 471-477.	16.0	33
6	Strain-Gradient Effect in Gas Sensors Based on Three-Dimensional Hollow Molybdenum Disulfide Nanoflakes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43799-43806.	8.0	22
7	The role of oxygen defects on the electro-chemo-mechanical properties of highly defective gadolinium doped ceria. <i>Materials Letters</i> , 2020, 266, 127490.	2.6	14
8	Relaxor Phase Evolution of (Bi _{0.5} Na _{0.5-x} K _x)TiO ₃ Ceramics due to K Ion Substitution and Their Corresponding Electrical Properties. <i>Energies</i> , 2020, 13, 455.	3.1	14
9	High energy electron beam stimulated nanowelding of silver nanowire networks encapsulated with graphene for flexible and transparent electrodes. <i>Scientific Reports</i> , 2019, 9, 9376.	3.3	12
10	Attachable piezoelectric nanogenerators using collision-induced strain of vertically grown hollow MoS ₂ nanoflakes. <i>Nanotechnology</i> , 2019, 30, 335402.	2.6	11
11	Dielectric relaxation properties of PbTiO ₃ -multiwalled carbon nanotube composites prepared by a sol-gel process. <i>Ceramics International</i> , 2016, 42, 8165-8169.	4.8	9
12	Low temperature crystallization behavior of multi-walled carbon nanotubes/Pb(Zr _{0.52} Ti _{0.48})O ₃ nanocomposite thin films through annealing in various atmosphere and duration control. <i>Current Applied Physics</i> , 2014, 14, 1304-1311.	2.4	7
13	Gigantic electro-chemo-mechanical properties of nanostructured praseodymium doped ceria. <i>Nanoscale</i> , 2021, 13, 7583-7589.	5.6	5
14	Effect of the Number of PZT Coatings on the Crystal Structure and Piezoelectric Properties in PZT-CNT Nanocomposites. <i>Journal of the Korean Physical Society</i> , 2018, 72, 1209-1213.	0.7	4
15	Influence of Bi Excess on the Structural and Morphological Properties of Bi _{0.5} K _{0.5} TiO ₃ Synthesized by Using the Hydrothermal Method and Its Nanogenerator Properties. <i>Journal of the Korean Physical Society</i> , 2019, 74, 1027-1031.	0.7	4
16	Nonlinear Photoelectric Properties by Strained MoS ₂ and SnO ₂ Core-shell Nanotubes for Flexible Visible Light Photodetectors. <i>Advanced Materials Technologies</i> , 2021, 6, 2001105.	5.8	4
17	Enhanced electromechanical properties in low-temperature gadolinium-doped ceria composites with low-dimensional carbon allotropes. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4024-4031.	10.3	4
18	Effect of the Molar Concentration of a Solution on Nanocomposite Crystal Growth in Ferroelectric-Carbon Nanotube Composites Fabricated by using the Sol-gel Method. <i>Journal of the Korean Physical Society</i> , 2018, 72, 800-804.	0.7	2