

Sung Ho Jhang

List of Publications by Year in descending order

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17
papers

381
citations

1478280

6
h-index

887953

17
g-index

17
all docs

17
docs citations

17
times ranked

895
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercollision cooling in undoped graphene. <i>Nature Physics</i> , 2013, 9, 109-112.	6.5	179
2	Engineering Optical and Electronic Properties of WS ₂ by Varying the Number of Layers. <i>ACS Nano</i> , 2015, 9, 6854-6860.	7.3	105
3	Semiconductor-less vertical transistor with ION/OFF of 10 ⁶ . <i>Nature Communications</i> , 2021, 12, 1000.	5.8	18
4	SERS-Based Flavonoid Detection Using Ethylenediamine- β -Cyclodextrin as a Capturing Ligand. <i>Nanomaterials</i> , 2017, 7, 8.	1.9	17
5	Chemical Vapor-Deposited Vanadium Pentoxide Nanosheets with Highly Stable and Low Switching Voltages for Effective Selector Devices. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 42875-42881.	4.0	9
6	Effect of Al ₂ O ₃ deposition on carrier mobility and ambient stability of few-layer MoS ₂ field effect transistors. <i>Current Applied Physics</i> , 2020, 20, 363-365.	1.1	9
7	Role of remote interfacial phonons in the resistivity of graphene. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	8
8	Suspended MoTe ₂ field effect transistors with ionic liquid gate. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	7
9	Patterning of periodic ripples in monolayer MoS ₂ by using laser irradiation. <i>Journal of the Korean Physical Society</i> , 2016, 69, 1505-1508.	0.3	6
10	Structural configurations and Raman spectra of carbon nanoscrolls. <i>Nanotechnology</i> , 2020, 31, 315707.	1.3	6
11	Nonuniform current distribution between individual layers of multilayer MoS ₂ , experimentally approached by using a laser thinning technique. <i>Journal of the Korean Physical Society</i> , 2016, 69, 1497-1501.	0.3	5
12	Anomalous Current Decrease Under Illumination in Ambipolar Phototransistors Based on PTCDI α -5 Crystals Embedded in C ₈ -BTBT Thin Film. <i>Advanced Electronic Materials</i> , 2021, 7, 2000973.	2.6	4
13	Atomic layer deposited Al ₂ O ₃ passivation layer for few-layer WS ₂ field effect transistors. <i>Nanotechnology</i> , 2021, 32, 505702.	1.3	3
14	Random telegraph noise in metallic single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2014, 104, 193102.	1.5	2
15	Fullerene peapods: In-situ conductivity study during synthesis. <i>Journal of the Korean Physical Society</i> , 2014, 64, 1774-1777.	0.3	1
16	Large Temperature-Independent Magnetoresistance without Gating Operation in Monolayer Graphene. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53134-53140.	4.0	1
17	Schottky barrier diode based on multilayer MoTe ₂ and the gate control of the direction of rectification. <i>Journal of the Korean Physical Society</i> , 2021, 78, 719-722.	0.3	1