

Hyung Kook Choi

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

82
citations

2258059

3
h-index

1474206

9
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13
all docs

13
docs citations

13
times ranked

214
citing authors

#	ARTICLE	IF	CITATIONS
1	Significant energy relaxation of quantum dot emitted hot electrons. <i>Physical Review Research</i> , 2021, 3, .	3.6	1
2	Robust quantum point contact via trench gate modulation. <i>Scientific Reports</i> , 2020, 10, 19746.	3.3	3
3	Properties of a Surface-Gate-Controlled Two-Dimensional Electron Gas in Undoped GaAs/AlGaAs Heterostructures. <i>Journal of the Korean Physical Society</i> , 2020, 76, 1083-1087.	0.7	3
4	Semiclassical Broadening in Quantum Dot Thermometry. <i>Journal of the Korean Physical Society</i> , 2020, 77, 489-495.	0.7	0
5	One-Dimensional Poisson Calculation for Electrically Controlled Band Bending in GaAs/AlGaAs Heterostructure. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4428-4431.	0.9	1
6	Nanomachining-enabled strain manipulation of magnetic anisotropy in the free-standing GaMnAs nanostructures. <i>Scientific Reports</i> , 2019, 9, 13633.	3.3	2
7	<i>In situ</i> observation of lithium metal plating in a sulfur-based solid electrolyte for all-solid-state batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13650-13657.	10.3	45
8	Attractive Coulomb interactions in a triple quantum dot. <i>Physical Review B</i> , 2018, 97, .	3.2	14
9	Nontrivial transition of transmission in a highly open quantum point contact in the quantum Hall regime. <i>Physical Review B</i> , 2017, 96, .	3.2	3
10	Free-Standing GaMnAs Nanomachined Sheets for van der Pauw Magnetotransport Measurements. <i>Micromachines</i> , 2016, 7, 223.	2.9	2
11	Modification of magnetotransport properties across patterned GaMnAs nanoconstrictions by application of high current densities. <i>Applied Physics Letters</i> , 2009, 95, 022517.	3.3	2
12	Regrowth of diluted magnetic semiconductor GaMnAs on InGaP (001) surfaces to realize freestanding micromechanical structures. <i>Journal of Applied Physics</i> , 2007, 101, 063906.	2.5	4
13	Nonlinear transport below TC for lateral nanoconstrictions realized in a 100nm GaMnAs epilayer. <i>Applied Physics Letters</i> , 2007, 91, 122514.	3.3	2