

Junho Choi

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,687
citations

759055

12
h-index

887953

17
g-index

17
all docs

17
docs citations

17
times ranked

2703
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for moiré excitons in van der Waals heterostructures. <i>Nature</i> , 2019, 567, 71-75.	13.7	933
2	Separation of valley excitons in a MoS ₂ monolayer using a subwavelength asymmetric groove array. <i>Nature Photonics</i> , 2019, 13, 180-184.	15.6	147
3	Phonon renormalization in reconstructed MoS ₂ moiré superlattices. <i>Nature Materials</i> , 2021, 20, 1100-1105.	13.3	121
4	Excitons in semiconductor moiré superlattices. <i>Nature Nanotechnology</i> , 2022, 17, 227-238.	15.6	105
5	Twist Angle-Dependent Interlayer Exciton Lifetimes in van der Waals Heterostructures. <i>Physical Review Letters</i> , 2021, 126, 047401.	2.9	88
6	Moiré potential impedes interlayer exciton diffusion in van der Waals heterostructures. <i>Science Advances</i> , 2020, 6, .	4.7	83
7	Epitaxial Growth of Atomically Smooth Aluminum on Silicon and Its Intrinsic Optical Properties. <i>ACS Nano</i> , 2016, 10, 9852-9860.	7.3	75
8	Moiré and beyond in transition metal dichalcogenide twisted bilayers. <i>2D Materials</i> , 2021, 8, 022002.	2.0	33
9	Enhancing functionalities of atomically thin semiconductors with plasmonic nanostructures. <i>Nanophotonics</i> , 2019, 8, 577-598.	2.9	26
10	Epitaxial Growth of Optically Thick, Single Crystalline Silver Films for Plasmonics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3189-3195.	4.0	20
11	Directional Modulation of Exciton Emission Using Single Dielectric Nanospheres. <i>Advanced Materials</i> , 2021, 33, e2007236.	11.1	15
12	Optical dielectric constants of single crystalline silver films in the long wavelength range. <i>Optical Materials Express</i> , 2020, 10, 693.	1.6	13
13	Addition of Monovalent Silver Cations to CH ₃ NH ₃ PbBr ₃ Produces Crystallographically Oriented Perovskite Thin Films. <i>ACS Applied Energy Materials</i> , 2019, 2, 6087-6096.	2.5	10
14	3D Hybrid Trilayer Heterostructure: Tunable Au Nanorods and Optical Properties. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 45015-45022.	4.0	9
15	Phonon Dephasing Dynamics in MoS ₂ . <i>Nano Letters</i> , 2021, 21, 1434-1439.	4.5	5
16	Dielectric Nanospheres: Directional Modulation of Exciton Emission Using Single Dielectric Nanospheres (Adv. Mater. 20/2021). <i>Advanced Materials</i> , 2021, 33, 2170153.	11.1	1