

Yu Kobayashi

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

916
citations

840776

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1125743

13
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all docs

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docs citations

15
times ranked

1764
citing authors

#	ARTICLE	IF	CITATIONS
1	One-dimensional van der Waals heterostructures. <i>Science</i> , 2020, 367, 537-542.	12.6	238
2	Growth and Optical Properties of High-Quality Monolayer WS ₂ on Graphite. <i>ACS Nano</i> , 2015, 9, 4056-4063.	14.6	162
3	High-Resolution Electrochemical Mapping of the Hydrogen Evolution Reaction on Transition-Metal Dichalcogenide Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3601-3608.	13.8	136
4	Direct and Indirect Interlayer Excitons in a van der Waals Heterostructure of hBN/WS ₂ /MoS ₂ /hBN. <i>ACS Nano</i> , 2018, 12, 2498-2505.	14.6	96
5	Bandgap-tunable lateral and vertical heterostructures based on monolayer Mo _{1-x} W _x S ₂ alloys. <i>Nano Research</i> , 2015, 8, 3261-3271.	10.4	54
6	Microscopic basis for the band engineering of Mo _{1-x} W _x S ₂ -based heterojunction. <i>Scientific Reports</i> , 2015, 5, 14808.	3.3	52
7	Continuous Heteroepitaxy of Two-Dimensional Heterostructures Based on Layered Chalcogenides. <i>ACS Nano</i> , 2019, 13, 7527-7535.	14.6	48
8	Modulation of electrical potential and conductivity in an atomic-layer semiconductor heterojunction. <i>Scientific Reports</i> , 2016, 6, 31223.	3.3	44
9	Restoring the intrinsic optical properties of CVD-grown MoS ₂ monolayers and their heterostructures. <i>Nanoscale</i> , 2019, 11, 12798-12803.	5.6	37
10	Room-Temperature Chiral Light-Emitting Diode Based on Strained Monolayer Semiconductors. <i>Advanced Materials</i> , 2021, 33, e2100601.	21.0	16
11	Tunable Chemical Coupling in Two-Dimensional van der Waals Electrostatic Heterostructures. <i>ACS Nano</i> , 2019, 13, 11214-11223.	14.6	13
12	High-Resolution Electrochemical Mapping of the Hydrogen Evolution Reaction on Transition-Metal Dichalcogenide Nanosheets. <i>Angewandte Chemie</i> , 2020, 132, 3629-3636.	2.0	11
13	Exciton Polarization and Renormalization Effect for Optical Modulation in Monolayer Semiconductors. <i>ACS Nano</i> , 2019, 13, 9218-9226.	14.6	9
14	Growth and characterization of in-plane heterostructures based on two-dimensional materials. , 2019, , .		0
15	Room-Temperature Chiral Light-Emitting Diode Based on Strained Monolayer Semiconductors (Adv.) <i>Tj ETQq1</i> 1,0,784314 rgBT /Ove	21.0	0