

Chit Siong Lau

List of Publications by Year in descending order

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933264

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citing authors

#	ARTICLE	IF	CITATIONS
1	Gate-Defined Quantum Confinement in CVD 2D WS ₂ . Advanced Materials, 2022, 34, e2103907.	11.1	18
2	Deep learning-enabled prediction of 2D material breakdown. Nanotechnology, 2021, 32, 265203.	1.3	6
3	Quantum Transport in Two-Dimensional WS ₂ with High-Efficiency Carrier Injection through Indium Alloy Contacts. ACS Nano, 2020, 14, 13700-13708.	7.3	26
4	Toward Valley-Coupled Spin Qubits. Advanced Quantum Technologies, 2020, 3, 1900123.	1.8	18
5	Carrier control in 2D transition metal dichalcogenides with Al ₂ O ₃ dielectric. Scientific Reports, 2019, 9, 8769.	1.6	10
6	Single layer MoS ₂ nanoribbon field effect transistor. Applied Physics Letters, 2019, 114, .	1.5	35
7	Lateral Graphene-Contacted Vertically Stacked WS ₂ /MoS ₂ Hybrid Photodetectors with Large Gain. Advanced Materials, 2017, 29, 1702917.	11.1	111
8	Quantum Interference in Graphene Nanoconstrictions. Nano Letters, 2016, 16, 4210-4216.	4.5	70
9	Doping Graphene Transistors Using Vertical Stacked Monolayer WS ₂ Heterostructures Grown by Chemical Vapor Deposition. ACS Applied Materials & Interfaces, 2016, 8, 1644-1652.	4.0	61
10	Redox-Dependent Franck-Condon Blockade and Avalanche Transport in a Graphene-Fullerene Single-Molecule Transistor. Nano Letters, 2016, 16, 170-176.	4.5	93
11	Conductance enlargement in picoscale electroburnt graphene nanojunctions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2658-2663.	3.3	98
12	Graphene-porphyrin single-molecule transistors. Nanoscale, 2015, 7, 13181-13185.	2.8	97