

Pengyu Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

469
citations

758635

12
h-index

1125271

13
g-index

14
all docs

14
docs citations

14
times ranked

622
citing authors

#	ARTICLE	IF	CITATIONS
1	Very fast hot carrier diffusion in unconstrained MoS ₂ on a glass substrate: discovered by picosecond ET-Raman. RSC Advances, 2018, 8, 12767-12778.	1.7	24
2	Characterization of anisotropic thermal conductivity of suspended nm-thick black phosphorus with frequency-resolved Raman spectroscopy. Journal of Applied Physics, 2018, 123, .	1.1	23
3	Measurement of the thermal conductivities of suspended MoS ₂ and MoSe ₂ by nanosecond ET-Raman without temperature calibration and laser absorption evaluation. Nanoscale, 2018, 10, 23087-23102.	2.8	51
4	Nonmonotonic thickness-dependence of in-plane thermal conductivity of few-layered MoS ₂ : 2.4 to 37.8 nm. Physical Chemistry Chemical Physics, 2018, 20, 25752-25761.	1.3	45
5	Metal-Organic Framework-Derived Carbons: Applications as Solid-Base Catalyst and Support for Pd Nanoparticles in Tandem Catalysis. Chemistry - A European Journal, 2017, 23, 4266-4270.	1.7	66
6	The hot carrier diffusion coefficient of sub-10 nm virgin MoS ₂ : uncovered by non-contact optical probing. Nanoscale, 2017, 9, 6808-6820.	2.8	46
7	Interface Energy Coupling between \hat{I}^2 -tungsten Nanofilm and Few-layered Graphene. Scientific Reports, 2017, 7, 12213.	1.6	9
8	Energy Transport State Resolved Raman for Probing Interface Energy Transport and Hot Carrier Diffusion in Few-Layered MoS ₂ . ACS Photonics, 2017, 4, 3115-3129.	3.2	41
9	Interfacial Thermal Conductance between Mechanically Exfoliated Black Phosphorus and SiO ₂ : Effect of Thickness and Temperature. Advanced Materials Interfaces, 2017, 4, 1700233.	1.9	16
10	Identifying the Crystalline Orientation of Black Phosphorus by Using Optothermal Raman Spectroscopy. ChemPhysChem, 2017, 18, 2828-2834.	1.0	12
11	Interfacial thermal conductance between few to tens of layered-MoS ₂ and c-Si: Effect of MoS ₂ thickness. Acta Materialia, 2017, 122, 152-165.	3.8	67
12	Strongly anisotropic thermal and electrical conductivities of a self-assembled silver nanowire network. RSC Advances, 2016, 6, 90674-90681.	1.7	20
13	Switch on the high thermal conductivity of graphene paper. Nanoscale, 2016, 8, 17581-17597.	2.8	49