

Kedi Wu

List of Publications by Year in descending order

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times ranked

1899
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced rectification, transport property and photocurrent generation of multilayer ReSe ₂ /MoS ₂ p-n heterojunctions. Nano Research, 2016, 9, 507-516.	10.4	132
2	Site Selective Doping of Ultrathin Metal Dichalcogenides by Laser-Assisted Reaction. Advanced Materials, 2016, 28, 341-346.	21.0	101
3	Domain Architectures and Grain Boundaries in Chemical Vapor Deposited Highly Anisotropic ReS ₂ Monolayer Films. Nano Letters, 2016, 16, 5888-5894.	9.1	79
4	Unusual lattice vibration characteristics in whiskers of the pseudo-one-dimensional titanium trisulfide TiS ₃ . Nature Communications, 2016, 7, 12952.	12.8	69
5	Angle resolved vibrational properties of anisotropic transition metal trichalcogenide nanosheets. Nanoscale, 2017, 9, 4175-4182.	5.6	64
6	In-Plane Optical Anisotropy and Linear Dichroism in Low-Symmetry Layered TiSe. ACS Nano, 2018, 12, 8798-8807.	14.6	64
7	Strong dichroic emission in the pseudo one dimensional material ZrS ₃ . Nanoscale, 2016, 8, 16259-16265.	5.6	63
8	Highly efficient gas molecule-tunable few-layer GaSe phototransistors. Journal of Materials Chemistry C, 2016, 4, 248-253.	5.5	54
9	Unusual dimensionality effects and surface charge density in 2D Mg(OH) ₂ . Scientific Reports, 2016, 6, 20525.	3.3	49
10	Highly Polarized Photoelectrical Response in vdW ZrS ₃ Nanoribbons. Advanced Electronic Materials, 2019, 5, 1900419.	5.1	45
11	On Optical Dipole Moment and Radiative Recombination Lifetime of Excitons in WSe ₂ . Advanced Functional Materials, 2017, 27, 1601741.	14.9	44
12	Highly Sensitive Polarization Photodetection Using a Pseudo-One-Dimensional Nb _x Ti _x S ₃ Alloy. ACS Applied Materials & Interfaces, 2019, 11, 3342-3350.	8.0	35
13	Microscale Silicon Origami. Small, 2016, 12, 5401-5406.	10.0	34
14	Controlling Structural Anisotropy of Anisotropic 2D Layers in Pseudo-1D/2D Material Heterojunctions. Advanced Materials, 2017, 29, 1701201.	21.0	22
15	Extreme In-Plane Thermal Conductivity Anisotropy in Titanium Trisulfide Caused by Heat-Carrying Optical Phonons. Nano Letters, 2020, 20, 5221-5227.	9.1	21
16	Abnormal band bowing effects in phase instability crossover region of GaSe _{1-x} Te _x nanomaterials. Nature Communications, 2018, 9, 1927.	12.8	20
17	Multilayer ReS ₂ lateral p-n homojunction for photoemission and photodetection. Applied Physics Express, 2016, 9, 055201.	2.4	19
18	Phase Transition across Anisotropic NbS ₃ and Direct Gap Semiconductor TiS ₃ at Nominal Titanium Alloying Limit. Advanced Materials, 2020, 32, 2000018.	21.0	16

#	ARTICLE	IF	CITATIONS
19	Ultrathin WS ₂ on a Glass Photonic Crystal for Self-Resonant Exciton-Polaritons. <i>Advanced Optical Materials</i> , 2020, 8, 1901988.	7.3	14
20	Unusual Pressure Response of Vibrational Modes in Anisotropic TaS ₃ . <i>Journal of Physical Chemistry C</i> , 2017, 121, 28187-28193.	3.1	8
21	Anomalous isoelectronic chalcogen rejection in 2D anisotropic vdW TiS ₃ (1-x)Se _{3x} trichalcogenides. <i>Nanoscale</i> , 2018, 10, 15654-15660.	5.6	6
22	Anomalous phase transition behavior in hydrothermal grown layered tellurene. <i>Nanoscale</i> , 2019, 11, 20245-20251.	5.6	3
23	Azimuthally Polarized and Unidirectional Excitonic Emission from Deep Subwavelength Transition Metal Dichalcogenide Annular Heterostructures. <i>ACS Photonics</i> , 2021, 8, 2861-2867.	6.6	3
24	Laser-Assisted Doping: Site Selective Doping of Ultrathin Metal Dichalcogenides by Laser-Assisted Reaction (<i>Adv. Mater.</i> 2/2016). <i>Advanced Materials</i> , 2016, 28, 392-392.	21.0	1