

Lan Meng

List of Publications by Year in descending order

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19
times ranked

375
citing authors

#	ARTICLE	IF	CITATIONS
1	Two dimensional WS ₂ lateral heterojunctions by strain modulation. Applied Physics Letters, 2016, 108, 263104.	3.3	31
2	Probing Angle-Dependent Interlayer Coupling in Twisted Bilayer WS ₂ . Journal of Physical Chemistry C, 2019, 123, 30684-30688.	3.1	28
3	Controlled synthesis and mechanism of large-area WS ₂ flakes by low-pressure chemical vapor deposition. Journal of Materials Science, 2017, 52, 7215-7223.	3.7	25
4	Spin-valley caloritronics in silicene near room temperature. Physical Review B, 2016, 94, .	3.2	23
5	Enhance the Er ³⁺ Upconversion Luminescence by Constructing NaGdF ₄ :Er ³⁺ @NaGdF ₄ :Er ³⁺ Active-Core/Active-Shell Nanocrystals. Nanoscale Research Letters, 2017, 12, 163.	5.7	23
6	Strain-induced hierarchical ripples in MoS ₂ layers investigated by atomic force microscopy. Applied Physics Letters, 2020, 117, .	3.3	15
7	Tm ³⁺ Modified Optical Temperature Behavior of Transparent Er ³⁺ -Doped Hexagonal NaGdF ₄ Glass Ceramics. Nanoscale Research Letters, 2017, 12, 402.	5.7	11
8	Controlled synthesis of large scale continuous monolayer WS ₂ film by atmospheric pressure chemical vapor deposition. Chemical Physics Letters, 2020, 739, 136945.	2.6	11
9	Atomically Asymmetric Inversion Scales up to Mesoscopic Single-Crystal Monolayer Flakes. ACS Nano, 2020, 14, 13834-13840.	14.6	11
10	Two-dimensional CaFCl: ultra-wide bandgap, strong interlayer quantum confinement, and n-type doping. Physical Chemistry Chemical Physics, 2020, 22, 17213-17220.	2.8	10
11	Strain-Engineered Rippling and Manipulation of Single-Layer WS ₂ by Atomic Force Microscopy. Journal of Physical Chemistry C, 2021, 125, 8696-8703.	3.1	9
12	Size-dependent strain-engineered nanostructures in MoS ₂ monolayer investigated by atomic force microscopy. Nanotechnology, 2021, 32, 465703.	2.6	8
13	Controlled synthesis and frictional properties of 2D MoTe ₂ via chemical vapor deposition. Chemical Physics Letters, 2019, 728, 156-159.	2.6	7
14	Site-dependent photoluminescence and optical thermometric behaviors of double-perovskite CaBa ₂ WO ₆ :Er ³⁺ . Chemical Physics Letters, 2020, 749, 137410.	2.6	7
15	Graphether: a reversible and high-capacity anode material for sodium-ion batteries with ultrafast directional Na-ion diffusion. Physical Chemistry Chemical Physics, 2021, 23, 12371-12375.	2.8	7
16	Epitaxial growth of highly-aligned MoS ₂ on c-plane sapphire. Surface Science, 2022, 720, 122046.	1.9	7
17	Band Structures Transformation in Two-Faced Janus Monolayer SnXY(X, Y = O, S, Se, and Te). Journal of Electronic Materials, 2021, 50, 2504-2509.	2.2	5
18	Visualization of Strain-Engineered Nanopattern in Center-Confined Mesoscopic WS ₂ Monolayer Flakes. Journal of Physical Chemistry C, 2022, 126, 7184-7192.	3.1	3

#	ARTICLE	IF	CITATIONS
19	The deviations of evaporation modes in two different morphologies of 2D WS ₂ film. RSC Advances, 2019, 9, 26799-26806.	3.6	1