

Honglai Li

List of Publications by Year in descending order

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22
papers

3,467
citations

361045

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676716

22
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docs citations

22
times ranked

5921
citing authors

#	ARTICLE	IF	CITATIONS
1	Vapor growth of WSe ₂ /WS ₂ heterostructures with stacking dependent optical properties. Nano Research, 2019, 12, 3123-3128.	5.8	32
2	Highly stable lead-free Cs ₃ Bi ₂ I ₉ perovskite nanoplates for photodetection applications. Nano Research, 2019, 12, 1894-1899.	5.8	96
3	Rational Kinetics Control toward Universal Growth of 2D Vertically Stacked Heterostructures. Advanced Materials, 2019, 31, e1901351.	11.1	79
4	High-responsivity two-dimensional p-PbI ₂ /n-WS ₂ vertical heterostructure photodetectors enhanced by photogating effect. Materials Horizons, 2019, 6, 1474-1480.	6.4	51
5	Space-confined physical vapour deposition of high quality ZnTe nanosheets for optoelectronic application. Materials Letters, 2019, 238, 309-312.	1.3	11
6	Strain-Tuning Atomic Substitution in Two-Dimensional Atomic Crystals. ACS Nano, 2018, 12, 4853-4860.	7.3	75
7	Wavelength Selective Photodetectors Integrated on a Single Composition-Graded Semiconductor Nanowire. Advanced Optical Materials, 2018, 6, 1800293.	3.6	21
8	Composition modulation in one-dimensional and two-dimensional chalcogenide semiconductor nanostructures. Chemical Society Reviews, 2018, 47, 7504-7521.	18.7	99
9	Controllable Growth and Formation Mechanisms of Dislocated WS ₂ Spirals. Nano Letters, 2018, 18, 3885-3892.	4.5	88
10	Light Emission Properties of 2D Transition Metal Dichalcogenides: Fundamentals and Applications. Advanced Optical Materials, 2018, 6, 1800420.	3.6	88
11	High-Quality In-Plane Aligned CsPbX ₃ Perovskite Nanowire Lasers with Composition-Dependent Strong Exciton-Photon Coupling. ACS Nano, 2018, 12, 6170-6178.	7.3	204
12	Spatially composition-modulated two-dimensional WS ₂ XSe ₂ (1-x) nanosheets. Nanoscale, 2017, 9, 4707-4712.	2.8	39
13	Broken Symmetry Induced Strong Nonlinear Optical Effects in Spiral WS ₂ Nanosheets. ACS Nano, 2017, 11, 4892-4898.	7.3	123
14	Nonlinear photoluminescence in monolayer WS ₂ : parabolic emission and excitation fluence-dependent recombination dynamics. Nanoscale, 2017, 9, 7235-7241.	2.8	41
15	Vapor Growth and Tunable Lasing of Band Gap Engineered Cesium Lead Halide Perovskite Micro/Nanorods with Triangular Cross Section. ACS Nano, 2017, 11, 1189-1195.	7.3	245
16	Composition-Modulated Two-Dimensional Semiconductor Lateral Heterostructures via Layer-Selected Atomic Substitution. ACS Nano, 2017, 11, 961-967.	7.3	99
17	Synthesis of WS ₂ XSe ₂ (1-x) Alloy Nanosheets with Composition-Tunable Electronic Properties. Nano Letters, 2016, 16, 264-269.	4.5	308
18	Bandgap-engineered GaAsSb alloy nanowires for near-infrared photodetection at 1.31 μ m. Semiconductor Science and Technology, 2015, 30, 105033.	1.0	52

#	ARTICLE	IF	CITATIONS
19	Lateral Growth of Composition Graded Atomic Layer MoS ₂ (1â€“ <i>x</i>)Se ₂ (1â€“ <i>x</i>) Nanosheets. Journal of the American Chemical Society, 2015, 137, 5284-5287.	6.6	191
20	Synthesis and Diameter-dependent Thermal Conductivity of InAs Nanowires. Nano-Micro Letters, 2014, 6, 301-306.	14.4	25
21	Lateral epitaxial growth of two-dimensional layered semiconductor heterojunctions. Nature Nanotechnology, 2014, 9, 1024-1030.	15.6	1,056
22	Growth of Alloy MoS ₂ (1â€“ <i>x</i>)Se ₂ (1â€“ <i>x</i>) Nanosheets with Fully Tunable Chemical Compositions and Optical Properties. Journal of the American Chemical Society, 2014, 136, 3756-3759.	6.6	444