

Honglai Li

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

3,467
citations

361045

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676716

22
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docs citations

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times ranked

5921
citing authors

#	ARTICLE	IF	CITATIONS
1	Lateral epitaxial growth of two-dimensional layered semiconductor heterojunctions. <i>Nature Nanotechnology</i> , 2014, 9, 1024-1030.	15.6	1,056
2	Growth of Alloy $\text{MoS}_2(1-x)\text{Se}_x$ Nanosheets with Fully Tunable Chemical Compositions and Optical Properties. <i>Journal of the American Chemical Society</i> , 2014, 136, 3756-3759.	6.6	444
3	Synthesis of $\text{WS}_2(1-x)\text{Se}_x$ Alloy Nanosheets with Composition-Tunable Electronic Properties. <i>Nano Letters</i> , 2016, 16, 264-269.	4.5	308
4	Vapor Growth and Tunable Lasing of Band Gap Engineered Cesium Lead Halide Perovskite Micro/Nanorods with Triangular Cross Section. <i>ACS Nano</i> , 2017, 11, 1189-1195.	7.3	245
5	High-Quality In-Plane Aligned CsPbX_3 Perovskite Nanowire Lasers with Composition-Dependent Strong Exciton-Photon Coupling. <i>ACS Nano</i> , 2018, 12, 6170-6178.	7.3	204
6	Lateral Growth of Composition Graded Atomic Layer $\text{MoS}_2(1-x)\text{Se}_x$ Nanosheets. <i>Journal of the American Chemical Society</i> , 2015, 137, 5284-5287.	6.6	191
7	Broken Symmetry Induced Strong Nonlinear Optical Effects in Spiral WS_2 Nanosheets. <i>ACS Nano</i> , 2017, 11, 4892-4898.	7.3	123
8	Composition-Modulated Two-Dimensional Semiconductor Lateral Heterostructures <i>via</i> Layer-Selected Atomic Substitution. <i>ACS Nano</i> , 2017, 11, 961-967.	7.3	99
9	Composition modulation in one-dimensional and two-dimensional chalcogenide semiconductor nanostructures. <i>Chemical Society Reviews</i> , 2018, 47, 7504-7521.	18.7	99
10	Highly stable lead-free $\text{Cs}_3\text{Bi}_2\text{I}_9$ perovskite nanoplates for photodetection applications. <i>Nano Research</i> , 2019, 12, 1894-1899.	5.8	96
11	Controllable Growth and Formation Mechanisms of Dislocated WS_2 Spirals. <i>Nano Letters</i> , 2018, 18, 3885-3892.	4.5	88
12	Light Emission Properties of 2D Transition Metal Dichalcogenides: Fundamentals and Applications. <i>Advanced Optical Materials</i> , 2018, 6, 1800420.	3.6	88
13	Rational Kinetics Control toward Universal Growth of 2D Vertically Stacked Heterostructures. <i>Advanced Materials</i> , 2019, 31, e1901351.	11.1	79
14	Strain-Tuning Atomic Substitution in Two-Dimensional Atomic Crystals. <i>ACS Nano</i> , 2018, 12, 4853-4860.	7.3	75
15	Bandgap-engineered GaAsSb alloy nanowires for near-infrared photodetection at $1.31\ \mu\text{m}$. <i>Semiconductor Science and Technology</i> , 2015, 30, 105033.	1.0	52
16	High-responsivity two-dimensional $\text{p-PbI}_2/\text{n-WS}_2$ vertical heterostructure photodetectors enhanced by photogating effect. <i>Materials Horizons</i> , 2019, 6, 1474-1480.	6.4	51
17	Nonlinear photoluminescence in monolayer WS_2 : parabolic emission and excitation fluence-dependent recombination dynamics. <i>Nanoscale</i> , 2017, 9, 7235-7241.	2.8	41
18	Spatially composition-modulated two-dimensional $\text{WS}_2(1-x)\text{Se}_x$ nanosheets. <i>Nanoscale</i> , 2017, 9, 4707-4712.	2.8	39

#	ARTICLE	IF	CITATIONS
19	Vapor growth of WSe ₂ /WS ₂ heterostructures with stacking dependent optical properties. Nano Research, 2019, 12, 3123-3128.	5.8	32
20	Synthesis and Diameter-dependent Thermal Conductivity of InAs Nanowires. Nano-Micro Letters, 2014, 6, 301-306.	14.4	25
21	Wavelength Selective Photodetectors Integrated on a Single Composition-Graded Semiconductor Nanowire. Advanced Optical Materials, 2018, 6, 1800293.	3.6	21
22	Space-confined physical vapour deposition of high quality ZnTe nanosheets for optoelectronic application. Materials Letters, 2019, 238, 309-312.	1.3	11