

Baichang Li

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

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citations

394421

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docs citations

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times ranked

3858
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Artificial Neuron Networks Enabled Identification and Characterizations of 2D Materials and van der Waals Heterostructures. ACS Nano, 2022, 16, 2721-2729. | 14.6 | 22 |
| 2 | Identifying the Transition Order in an Artificial Ferroelectric van der Waals Heterostructure. Nano Letters, 2022, 22, 1265-1269. | 9.1 | 23 |
| 3 | Nano-spectroscopy of excitons in atomically thin transition metal dichalcogenides. Nature Communications, 2022, 13, 542. | 12.8 | 23 |
| 4 | Dark-Exciton Driven Energy Funneling into Dielectric Inhomogeneities in Two-Dimensional Semiconductors. Nano Letters, 2022, 22, 2843-2850. | 9.1 | 17 |
| 5 | Programmable hyperbolic polaritons in van der Waals semiconductors. Science, 2021, 371, 617-620. | 12.6 | 58 |
| 6 | Enhancing Hydrogen Evolution Activity of Monolayer Molybdenum Disulfide via a Molecular Proton Mediator. ACS Catalysis, 2021, 11, 12159-12169. | 11.2 | 19 |
| 7 | Nonlinear nanoelectrodynamics of a Weyl metal. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 15 |
| 8 | Nickel particle-enabled width-controlled growth of bilayer molybdenum disulfide nanoribbons. Science Advances, 2021, 7, eabk1892. | 10.3 | 19 |
| 9 | Low-loss composite photonic platform based on 2D semiconductor monolayers. Nature Photonics, 2020, 14, 256-262. | 31.4 | 140 |
| 10 | Second-harmonic imaging microscopy for time-resolved investigations of transition metal dichalcogenides. Journal of Physics Condensed Matter, 2020, 32, 485901. | 1.8 | 3 |
| 11 | The Critical Role of Electrolyte Gating on the Hydrogen Evolution Performance of Monolayer MoS ₂ . Nano Letters, 2019, 19, 8118-8124. | 9.1 | 33 |
| 12 | Composite photonic platform based on 2D semiconductor monolayers. , 2019, , . | | 2 |
| 13 | Local strain-induced band gap fluctuations and exciton localization in aged WS ₂ monolayers. AIP Advances, 2017, 7, . | 1.3 | 25 |
| 14 | Low-Temperature Ohmic Contact to Monolayer MoS ₂ by van der Waals Bonded Co/i>h</i>-BN Electrodes. Nano Letters, 2017, 17, 4781-4786. | 9.1 | 233 |
| 15 | Nanostructured complex oxides as a route towards thermal behavior in artificial spin ice systems. Physical Review Materials, 2017, 1, . | 2.4 | 9 |
| 16 | Optical study of local strain related disordering in CVD-grown MoSe ₂ monolayers. Applied Physics Letters, 2016, 109, . | 3.3 | 21 |
| 17 | Vertically Oriented Arrays of ReS ₂ Nanosheets for Electrochemical Energy Storage and Electrocatalysis. Nano Letters, 2016, 16, 3780-3787. | 9.1 | 241 |
| 18 | Transition-Metal Substitution Doping in Synthetic Atomically Thin Semiconductors. Advanced Materials, 2016, 28, 9735-9743. | 21.0 | 208 |

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|----|---|------|-----------|
| 19 | Humidity sensing using vertically oriented arrays of ReS ₂ nanosheets deposited on an interdigitated gold electrode. 2D Materials, 2016, 3, 045012. | 4.4 | 42 |
| 20 | Aging of Transition Metal Dichalcogenide Monolayers. ACS Nano, 2016, 10, 2628-2635. | 14.6 | 359 |
| 21 | Vacancy clusters in ultrafine grained Al by severe plastic deformation. Applied Physics Letters, 2007, 91, 141908. | 3.3 | 34 |
| 22 | Real Time Synchrotron Microradiography of Dendrite Coarsening in Sn-13 Wt Pct Bi Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 599-605. | 2.2 | 22 |
| 23 | Effects of Silicon on the Oxidation Behavior of Ni-Base Chromia-Forming Alloys. Oxidation of Metals, 2006, 65, 101-122. | 2.1 | 104 |
| 24 | ZnO Nanosheets with Ordered Pore Periodicity via Colloidal Crystal Template Assisted Electrochemical Deposition. Advanced Materials, 2006, 18, 1001-1004. | 21.0 | 100 |
| 25 | Effects of Minor Elements on the Cyclic-Oxidation Behavior of Commercial Fe-Base 800-Series Alloys. Oxidation of Metals, 2004, 62, 45-69. | 2.1 | 10 |
| 26 | Real-time observation of dendrite coarsening in Sn-13%Bi alloy by synchrotron microradiography. Physical Review E, 2004, 70, 062602. | 2.1 | 45 |
| 27 | Solid oxide solutions as catalysts ?A comparison with supported Pt. Catalysis Letters, 1990, 4, 43-48. | 2.6 | 18 |