

# Baichang Li

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3518500/publications.pdf>

Version: 2024-02-01

27  
papers

1,845  
citations

394421

19  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3858  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Aging of Transition Metal Dichalcogenide Monolayers. ACS Nano, 2016, 10, 2628-2635.   | 14.6 | 359       |
| 2  | Vertically Oriented Arrays of ReS <sub>2</sub> Nanosheets for Electrochemical Energy Storage and Electrocatalysis. Nano Letters, 2016, 16, 3780-3787.   | 9.1  | 241       |
| 3  | Low-Temperature Ohmic Contact to Monolayer MoS <sub>2</sub> by van der Waals Bonded Co/h-BN Electrodes. Nano Letters, 2017, 17, 4781-4786.  | 9.1  | 233       |
| 4  | Transition-Metal Substitution Doping in Synthetic Atomically Thin Semiconductors. Advanced Materials, 2016, 28, 9735-9743.  | 21.0 | 208       |
| 5  | Low-loss composite photonic platform based on 2D semiconductor monolayers. Nature Photonics, 2020, 14, 256-262.   | 31.4 | 140       |
| 6  | Effects of Silicon on the Oxidation Behavior of Ni-Base Chromia-Forming Alloys. Oxidation of Metals, 2006, 65, 101-122.   | 2.1  | 104       |
| 7  | ZnO Nanosheets with Ordered Pore Periodicity via Colloidal Crystal Template Assisted Electrochemical Deposition. Advanced Materials, 2006, 18, 1001-1004.   | 21.0 | 100       |
| 8  | Programmable hyperbolic polaritons in van der Waals semiconductors. Science, 2021, 371, 617-620.  | 12.6 | 58        |
| 9  | Real-time observation of dendrite coarsening in Sn-13%Bi alloy by synchrotron microradiography. Physical Review E, 2004, 70, 062602.  | 2.1  | 45        |
| 10 | Humidity sensing using vertically oriented arrays of ReS <sub>2</sub> nanosheets deposited on an interdigitated gold electrode. 2D Materials, 2016, 3, 045012.                                    | 4.4  | 42        |
| 11 | Vacancy clusters in ultrafine grained Al by severe plastic deformation. Applied Physics Letters, 2007, 91, 141908.  | 3.3  | 34        |
| 12 | The Critical Role of Electrolyte Gating on the Hydrogen Evolution Performance of Monolayer MoS <sub>2</sub> . Nano Letters, 2019, 19, 8118-8124.  | 9.1  | 33        |
| 13 | Local strain-induced band gap fluctuations and exciton localization in aged WS <sub>2</sub> monolayers. AIP Advances, 2017, 7, .  | 1.3  | 25        |
| 14 | Identifying the Transition Order in an Artificial Ferroelectric van der Waals Heterostructure. Nano Letters, 2022, 22, 1265-1269.   | 9.1  | 23        |
| 15 | Nano-spectroscopy of excitons in atomically thin transition metal dichalcogenides. Nature Communications, 2022, 13, 542.  | 12.8 | 23        |
| 16 | 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        |
| 17 | Artificial Neuron Networks Enabled Identification and Characterizations of 2D Materials and van der Waals Heterostructures. ACS Nano, 2022, 16, 2721-2729.  | 14.6 | 22        |
| 18 | Optical study of local strain related disordering in CVD-grown MoSe <sub>2</sub> monolayers. Applied Physics Letters, 2016, 109, .  | 3.3  | 21        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Enhancing Hydrogen Evolution Activity of Monolayer Molybdenum Disulfide via a Molecular Proton Mediator. ACS Catalysis, 2021, 11, 12159-12169.                  | 11.2 | 19        |
| 20 | Nickel particle-enabled width-controlled growth of bilayer molybdenum disulfide nanoribbons. Science Advances, 2021, 7, eabk1892.                               | 10.3 | 19        |
| 21 | Solid oxide solutions as catalysts ?A comparison with supported Pt. Catalysis Letters, 1990, 4, 43-48.  | 2.6  | 18        |
| 22 | Dark-Exciton Driven Energy Funneling into Dielectric Inhomogeneities in Two-Dimensional Semiconductors. Nano Letters, 2022, 22, 2843-2850.                      | 9.1  | 17        |
| 23 | Nonlinear nanoelectrodynamics of a Weyl metal. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .                    | 7.1  | 15        |
| 24 | 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        |
| 25 | Nanostructured complex oxides as a route towards thermal behavior in artificial spin ice systems. Physical Review Materials, 2017, 1, .                         | 2.4  | 9         |
| 26 | Second-harmonic imaging microscopy for time-resolved investigations of transition metal dichalcogenides. Journal of Physics Condensed Matter, 2020, 32, 485901. | 1.8  | 3         |
| 27 | Composite photonic platform based on 2D semiconductor monolayers. , 2019, , .   |      | 2         |