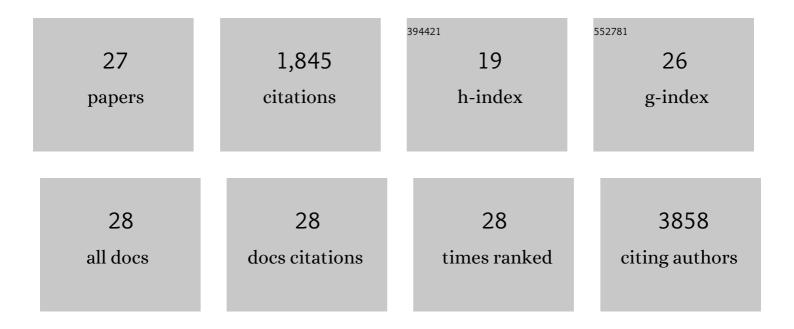
## **Baichang Li**

List of Publications by Year in descending order

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**RAICHANCL** 

#	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 <sub>2</sub> . 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 WS2 monolayers. AIP Advances, 2017, 7, .	1.3	25
14	Low-Temperature Ohmic Contact to Monolayer MoS <sub>2</sub> 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 MoSe2 monolayers. Applied Physics Letters, 2016, 109, .	3.3	21
17	Vertically Oriented Arrays of ReS <sub>2</sub> Nanosheets for Electrochemical Energy Storage and Electrocatalysis. Nano Letters, 2016, 16, 3780-3787.	9.1	241
18	Transitionâ€Metal Substitution Doping in Synthetic Atomically Thin Semiconductors. Advanced Materials, 2016, 28, 9735-9743.	21.0	208

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#	Article	IF	CITATIONS
19	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
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