

Xinyi Chia

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,828
citations

361296

20
h-index

610775

24
g-index

25
all docs

25
docs citations

25
times ranked

5107
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemistry of Nanostructured Layered Transition-Metal Dichalcogenides. <i>Chemical Reviews</i> , 2015, 115, 11941-11966.	23.0	719
2	Characteristics and performance of two-dimensional materials for electrocatalysis. <i>Nature Catalysis</i> , 2018, 1, 909-921.	16.1	591
3	Layered Platinum Dichalcogenides (PtS ₂ , PtSe ₂ , and PtTe ₂) Electrocatalysis: Monotonic Dependence on the Chalcogen Size. <i>Advanced Functional Materials</i> , 2016, 26, 4306-4318.	7.8	228
4	Electrocatalysis of layered Group 5 metallic transition metal dichalcogenides (MX ₂ , M = Tj ETQq0 0 0 rgBT /Overlock 10 TF	5.2	218
5	Catalytic and Charge Transfer Properties of Transition Metal Dichalcogenides Arising from Electrochemical Pretreatment. <i>ACS Nano</i> , 2015, 9, 5164-5179.	7.3	184
6	Layered transition metal dichalcogenide electrochemistry: journey across the periodic table. <i>Chemical Society Reviews</i> , 2018, 47, 5602-5613.	18.7	117
7	Layered SnS versus SnS ₂ : Valence and Structural Implications on Electrochemistry and Clean Energy Electrocatalysis. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24098-24111.	1.5	85
8	Unconventionally Layered CoTe ₂ and NiTe ₂ as Electrocatalysts for Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2017, 23, 11719-11726.	1.7	76
9	Precise Tuning of the Charge Transfer Kinetics and Catalytic Properties of MoS ₂ Materials via Electrochemical Methods. <i>Chemistry - A European Journal</i> , 2014, 20, 17426-17432.	1.7	73
10	2H → 1T Phase Change in Direct Synthesis of WS ₂ Nanosheets via Solution-Based Electrochemical Exfoliation and Their Catalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26350-26356.	4.0	61
11	Tunable Pt@MoS ₂ Hybrid Catalysts for Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8702-8711.	4.0	58
12	Enhancement of electrochemical and catalytic properties of MoS ₂ through ball-milling. <i>Electrochemistry Communications</i> , 2015, 54, 36-40.	2.3	51
13	Layered Noble Metal Dichalcogenides: Tailoring Electrochemical and Catalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25587-25599.	4.0	51
14	Black Phosphorus Nanoparticles Potentiate the Anticancer Effect of Oxaliplatin in Ovarian Cancer Cell Line. <i>Advanced Functional Materials</i> , 2017, 27, 1701955.	7.8	51
15	Nonconductive layered hexagonal boron nitride exfoliation by bipolar electrochemistry. <i>Nanoscale</i> , 2018, 10, 7298-7303.	2.8	51
16	Fluorographites (CF _x) _n Exhibit Improved Heterogeneous Electron Transfer Rates with Increasing Level of Fluorination: Towards the Sensing of Biomolecules. <i>Chemistry - A European Journal</i> , 2014, 20, 6665-6671.	1.7	46
17	Morphological Effects and Stabilization of the Metallic 1T Phase in Layered V, Nb, and Ta-Doped WSe ₂ for Electrocatalysis. <i>Chemistry - A European Journal</i> , 2018, 24, 3199-3208.	1.7	38
18	Nanorobots Constructed from Nanoclay: Using Nature to Create Self-Propelled Autonomous Nanomachines. <i>Advanced Functional Materials</i> , 2018, 28, 1802762.	7.8	38

#	ARTICLE	IF	CITATIONS
19	Inverse Opal-like Porous MoSe ₂ Films for Hydrogen Evolution Catalysis: Overpotential-Pore Size Dependence. ACS Applied Materials & Interfaces, 2018, 10, 4937-4945.	4.0	36
20	The Origin of MoS ₂ Significantly Influences Its Performance for the Hydrogen Evolution Reaction due to Differences in Phase Purity. Chemistry - A European Journal, 2017, 23, 3169-3177.	1.7	20
21	Anti-MoS ₂ Nanostructures: TiS ₂ and Its Electrochemical and Electronic Properties. ACS Nano, 2016, 10, 112-123.	7.3	18
22	Graphene/Group 5 Transition Metal Dichalcogenide Composites for Electrochemical Applications. Chemistry - A European Journal, 2017, 23, 10430-10437.	1.7	10
23	Bipolar Electrochemistry as a Simple Synthetic Route toward Nanoscale Transition of Mo ₂ B ₅ and W ₂ B ₅ for Enhanced Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 0, , .	3.2	6
24	Cancer Therapy: Black Phosphorus Nanoparticles Potentiate the Anticancer Effect of Oxaliplatin in Ovarian Cancer Cell Line (Adv. Funct. Mater. 36/2017). Advanced Functional Materials, 2017, 27, .	7.8	1
25	Nanoclay Nanomotors: Nanorobots Constructed from Nanoclay: Using Nature to Create Self-Propelled Autonomous Nanomachines (Adv. Funct. Mater. 40/2018). Advanced Functional Materials, 2018, 28, 1870291.	7.8	1