

Xinyi Chia

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25 papers	2,118 citations	19 h-index	25 g-index
25 ext. papers	2,467 ext. citations	14.9 avg, IF	5.67 L-index

#	Paper	IF	Citations
25	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. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 ,	8.3	3
24	Tunable Pt-MoS Hybrid Catalysts for Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8702-8711	9.5	45
23	Nonconductive layered hexagonal boron nitride exfoliation by bipolar electrochemistry. <i>Nanoscale</i> , 2018 , 10, 7298-7303	7.7	31
22	Inverse Opal-like Porous MoSe Films for Hydrogen Evolution Catalysis: Overpotential-Pore Size Dependence. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 4937-4945	9.5	29
21	Morphological Effects and Stabilization of the Metallic 1T Phase in Layered V-, Nb-, and Ta-Doped WSe for Electrocatalysis. <i>Chemistry - A European Journal</i> , 2018 , 24, 3199-3208	4.8	26
20	Nanorobots Constructed from Nanoclay: Using Nature to Create Self-Propelled Autonomous Nanomachines. <i>Advanced Functional Materials</i> , 2018 , 28, 1802762	15.6	26
19	Layered transition metal dichalcogenide electrochemistry: journey across the periodic table. <i>Chemical Society Reviews</i> , 2018 , 47, 5602-5613	58.5	89
18	Characteristics and performance of two-dimensional materials for electrocatalysis. <i>Nature Catalysis</i> , 2018 , 1, 909-921	36.5	348
17	Nanoclay Nanomotors: Nanorobots Constructed from Nanoclay: Using Nature to Create Self-Propelled Autonomous Nanomachines (Adv. Funct. Mater. 40/2018). <i>Advanced Functional Materials</i> , 2018 , 28, 1870291	15.6	1
16	Graphene/Group 5 Transition Metal Dichalcogenide Composites for Electrochemical Applications. <i>Chemistry - A European Journal</i> , 2017 , 23, 10430-10437	4.8	8
15	The Origin of MoS Significantly Influences Its Performance for the Hydrogen Evolution Reaction due to Differences in Phase Purity. <i>Chemistry - A European Journal</i> , 2017 , 23, 3169-3177	4.8	17
14	Cancer Therapy: Black Phosphorus Nanoparticles Potentiate the Anticancer Effect of Oxaliplatin in Ovarian Cancer Cell Line (Adv. Funct. Mater. 36/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	1
13	Layered Noble Metal Dichalcogenides: Tailoring Electrochemical and Catalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25587-25599	9.5	37
12	2H -1T Phase Change in Direct Synthesis of WS Nanosheets via Solution-Based Electrochemical Exfoliation and Their Catalytic Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26350-26356	9.5	46
11	Black Phosphorus Nanoparticles Potentiate the Anticancer Effect of Oxaliplatin in Ovarian Cancer Cell Line. <i>Advanced Functional Materials</i> , 2017 , 27, 1701955	15.6	45
10	Unconventionally Layered CoTe and NiTe as Electrocatalysts for Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2017 , 23, 11719-11726	4.8	50
9	Anti-MoS ₂ Nanostructures: Ti ₂ S and Its Electrochemical and Electronic Properties. <i>ACS Nano</i> , 2016 , 10, 112-23	16.7	15

8	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	15.6	175
7	Electrocatalysis of layered Group 5 metallic transition metal dichalcogenides (MX ₂ , M = V, Nb, and Ta; X = S, Se, and Te). <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14241-14253	13	159
6	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	3.8	61
5	Catalytic and charge transfer properties of transition metal dichalcogenides arising from electrochemical pretreatment. <i>ACS Nano</i> , 2015 , 9, 5164-79	16.7	158
4	Electrochemistry of Nanostructured Layered Transition-Metal Dichalcogenides. <i>Chemical Reviews</i> , 2015 , 115, 11941-66	68.1	606
3	Enhancement of electrochemical and catalytic properties of MoS ₂ through ball-milling. <i>Electrochemistry Communications</i> , 2015 , 54, 36-40	5.1	36
2	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, 6665-71	4.8	41
1	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, 17426-32	4.8	65