Chia-Shuo Hsu

List of Publications by Year in Descending Order

35 papers	2,332 citations	20 h-index	42 g-index
42 ext. papers	3,306 ext. citations	14.5 avg, IF	5.76 L-index

#	Paper	IF	Citations
35	A Universal Approach for Controllable Synthesis of n-Specific Layered 2D Perovskite Nanoplates. *Angewandte Chemie - International Edition*, **2021**, 60, 7866-7872	16.4	10
34	A Universal Approach for Controllable Synthesis of n-Specific Layered 2D Perovskite Nanoplates. *Angewandte Chemie*, **2021**, 133, 7945-7951	3.6	2
33	Materials Engineering of Violin Soundboards by Stradivari and Guarneri. *Angewandte Chemie*, **2021**, 133, 19293-19303	3.6	2
32	Materials Engineering of Violin Soundboards by Stradivari and Guarneri. *Angewandte Chemie - International Edition*, **2021**, 60, 19144-19154	16.4	4
31	Product-Specific Active Site Motifs of Cu for Electrochemical CO2 Reduction. *CheM*, **2021**, 7, 406-420	16.2	27
30	In Situ Identifying the Dynamic Structure behind Activity of Atomically Dispersed Platinum Catalyst toward Hydrogen Evolution Reaction. *Small*, **2021**, 17, e2005713	11	14
29	Electronic structure inspired a highly robust electrocatalyst for the oxygen-evolution reaction. *Chemical Communications*, **2020**, 56, 8071-8074	5.8	8
28	Mechanism of Oxygen Evolution Catalyzed by Cobalt Oxyhydroxide: Cobalt Superoxide Species as a Key Intermediate and Dioxygen Release as a Rate-Determining Step. *Journal of the American Chemical Society*, **2020**, 142, 11901-11914	16.4	169
27	Comprehensively Probing the Contribution of Site Activity and Population of Active Sites toward Heterogeneous Electrocatalysis. *ChemCatChem*, **2020**, 12, 1926-1933	5.2	4
26	Operando time-resolved X-ray absorption spectroscopy reveals the chemical nature enabling highly selective CO reduction. *Nature Communications*, **2020**, 11, 3525	17.4	90
25	The individual role of active sites in bimetallic oxygen evolution reaction catalysts. *Dalton Transactions*, **2020**, 49, 17505-17510	4.3	7
24	Harnessing Dielectric Confinement on Tin Perovskites to Achieve Emission Quantum Yield up to 21. *Journal of the American Chemical Society*, **2019**, 141, 10324-10330	16.4	47
23	Atomically dispersed Fe sites catalyze efficient CO electroreduction to CO. *Science*, **2019**, 364, 1091-1094	33.3	685
22	Morphology Manipulation of Copper Nanocrystals and Product Selectivity in the Electrocatalytic Reduction of Carbon Dioxide. *ACS Catalysis*, **2019**, 9, 5217-5222	13.1	60
21	Operando Unraveling of the Structural and Chemical Stability of P-Substituted CoSe2 Electrocatalysts toward Hydrogen and Oxygen Evolution Reactions in Alkaline Electrolyte. *ACS Energy Letters*, **2019**, 4, 987-994	20.1	208
20	Ni N as an Active Hydrogen Oxidation Reaction Catalyst in Alkaline Medium. *Angewandte Chemie - International Edition*, **2019**, 58, 7445-7449	16.4	114
19	An Unconventional Iron Nickel Catalyst for the Oxygen Evolution Reaction. *ACS Central Science*, **2019**, 5, 558-568	16.8	136

18	A Cobalt-Iron Double-Atom Catalyst for the Oxygen Evolution Reaction. *Journal of the American Chemical Society*, **2019**, 141, 14190-14199	16.4	203
17	Photocatalysis: Light-Induced Activation of Adaptive Junction for Efficient Solar-Driven Oxygen Evolution: In Situ Unraveling the Interfacial Metal–Silicon Junction (Adv. Energy Mater. 31/2019). *Advanced Energy Materials*, **2019**, 9, 1970122	21.8	2
16	Light-Induced Activation of Adaptive Junction for Efficient Solar-Driven Oxygen Evolution: In Situ Unraveling the Interfacial Metal–Silicon Junction. *Advanced Energy Materials*, **2019**, 9, 1901308	21.8	18
15	In Situ Spatially Coherent Identification of Phosphide-Based Catalysts: Crystallographic Latching for Highly Efficient Overall Water Electrolysis. *ACS Energy Letters*, **2019**, 4, 2813-2820	20.1	41
14	Quantitatively Unraveling the Redox Shuttle of Spontaneous Oxidation/Electroreduction of CuO on Silver Nanowires Using in Situ X-ray Absorption Spectroscopy. *ACS Central Science*, **2019**, 5, 1998-2009	16.8	33
13	Dual-Hole Excitons Activated Photoelectrolysis in Neutral Solution. *Small*, **2018**, 14, e1704047	11	
12	Electrocatalysts: Unraveling Geometrical Site Confinement in Highly Efficient Iron-Doped Electrocatalysts toward Oxygen Evolution Reaction (Adv. Energy Mater. 7/2018). *Advanced Energy Materials*, **2018**, 8, 1870032	21.8	2
11	Nanomaterials: Dual-Hole Excitons Activated Photoelectrolysis in Neutral Solution (Small 14/2018). *Small*, **2018**, 14, 1870061	11	
10	Strongly Coupled Tin-Halide Perovskites to Modulate Light Emission: Tunable 550-640 nm Light Emission (FWHM 36-80 nm) with a Quantum Yield of up to 6.4. *Advanced Materials*, **2018**, 30, e1706592	24	34
9	Unraveling Geometrical Site Confinement in Highly Efficient Iron-Doped Electrocatalysts toward Oxygen Evolution Reaction. *Advanced Energy Materials*, **2018**, 8, 1701686	21.8	95
8	Identification of Stabilizing High-Valent Active Sites by Operando High-Energy Resolution Fluorescence-Detected X-ray Absorption Spectroscopy for High-Efficiency Water Oxidation. *Journal of the American Chemical Society*, **2018**, 140, 17263-17270	16.4	62
7	In Situ Creation of Surface-Enhanced Raman Scattering Active Au-AuO Nanostructures through Electrochemical Process for Pigment Detection. *ACS Omega*, **2018**, 3, 16576-16584	3.9	8
6	Conjugated Organic-Inorganic Hybrid Photoanodes: Revealing the Photochemical Behavior through In Situ X-Ray Absorption Spectroscopy. *Chemistry - A European Journal*, **2018**, 24, 18419-18423	4.8	1
5	Edgeless Ag-Pt Bimetallic Nanocages: In Situ Monitor Plasmon-Induced Suppression of Hydrogen Peroxide Formation. *Journal of the American Chemical Society*, **2017**, 139, 2224-2233	16.4	85
4	Valence- and element-dependent water oxidation behaviors: in situ X-ray diffraction, absorption and electrochemical impedance spectroscopies. *Physical Chemistry Chemical Physics*, **2017**, 19, 8681-8693	3.6	65
3	Chemical distinctions between Stradivari's maple and modern tonewood. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 27-32	11.5	23
2	The synergistic effect of a well-defined Au@Pt core-shell nanostructure toward photocatalytic hydrogen generation: interface engineering to improve the Schottky barrier and hydrogen-evolved kinetics. *Chemical Communications*, **2016**, 52, 1567-70	5.8	43
1	Double-atom catalysts as a molecular platform for heterogeneous oxygen evolution electrocatalysis. *Nature Energy*,	62.3	28