

Yen-Ting Chen

List of Publications by Year in descending order

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55
papers

1,670
citations

331670

21
h-index

302126

39
g-index

56
all docs

56
docs citations

56
times ranked

2879
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Carbon Quantum Dots as Medical Countermeasures to Human Coronavirus. ACS Applied Materials & Interfaces, 2019, 11, 42964-42974.	8.0	231
2	Discovery of a Multinary Noble Metal-Free Oxygen Reduction Catalyst. Advanced Energy Materials, 2018, 8, 1802269.	19.5	227
3	Ni-Metalloid (B, Si, P, As, and Te) Alloys as Water Oxidation Electrocatalysts. Advanced Energy Materials, 2019, 9, 1900796.	19.5	93
4	Ultrathin 2D Cobalt Zeolite-Imidazole Framework Nanosheets for Electrocatalytic Oxygen Evolution. Advanced Science, 2018, 5, 1801029.	11.2	92
5	Oxygen Evolution Electrocatalysis of a Single MOF-Derived Composite Nanoparticle on the Tip of a Nanoelectrode. Angewandte Chemie - International Edition, 2019, 58, 8927-8931.	13.8	91
6	Influence of Temperature and Electrolyte Concentration on the Structure and Catalytic Oxygen Evolution Activity of Nickel-Iron Layered Double Hydroxide. Chemistry - A European Journal, 2018, 24, 13773-13777.	3.3	57
7	Single Particle Nanoelectrochemistry Reveals the Catalytic Oxygen Evolution Reaction Activity of Co_3O_4 Nanocubes. Angewandte Chemie - International Edition, 2021, 60, 23444-23450.	13.8	52
8	Rational Design of an Amphiphilic Coordination Cage-Based Emulsifier. Journal of the American Chemical Society, 2018, 140, 17384-17388.	13.7	42
9	Is Cu instability during the CO_2 reduction reaction governed by the applied potential or the local CO concentration?. Chemical Science, 2021, 12, 4028-4033.	7.4	42
10	CuPd Mixed-Metal HKUST-1 as a Catalyst for Aerobic Alcohol Oxidation. Journal of Physical Chemistry C, 2018, 122, 21433-21440.	3.1	40
11	Single-Entity Electrocatalysis of Individual "Picked" and "Dropped" Co_3O_4 Nanoparticles on the Tip of a Carbon Nanoelectrode. Angewandte Chemie - International Edition, 2021, 60, 3576-3580.	13.8	40
12	Towards Reproducible Fabrication of Nanometre-Sized Carbon Electrodes: Optimisation of Automated Nanoelectrode Fabrication by Means of Transmission Electron Microscopy. ChemElectroChem, 2018, 5, 3083-3088.	3.4	38
13	Surface Segregation in CuNi Nanoparticle Catalysts During CO_2 Hydrogenation: The Role of CO in the Reactant Mixture. Journal of Physical Chemistry C, 2019, 123, 8421-8428.	3.1	38
14	Crystallite size-dependent metastable phase formation of TiAlN coatings. Scientific Reports, 2017, 7, 16096.	3.3	34
15	Oxidative Deposition of Manganese Oxide Nanosheets on Nitrogen-Functionalized Carbon Nanotubes Applied in the Alkaline Oxygen Evolution Reaction. ACS Omega, 2018, 3, 11216-11226.	3.5	31
16	Substrate rotation-induced chemical modulation in Ti-Al-O-N coatings synthesized by cathodic arc in an industrial deposition plant. Surface and Coatings Technology, 2016, 305, 249-253.	4.8	30
17	Towards Mechanistic Understanding of Liquid-Phase Cinnamyl Alcohol Oxidation with tert-Butyl Hydroperoxide over Noble-Metal-Free $\text{LaCo}_{1-x}\text{Fe}_x\text{O}_3$ Perovskites. ChemPlusChem, 2019, 84, 1155-1163. ^{2.8}	2.8	29
18	Enhancing the water splitting performance of cryptomelane-type $\text{K}(\text{MnO}_2)$. Journal of Catalysis, 2019, 374, 335-344.	6.2	27

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19	In Situ Carbon Corrosion and Cu Leaching as a Strategy for Boosting Oxygen Evolution Reaction in Multimetal Electrocatalysts. <i>Advanced Materials</i> , 2022, 34, e2109108. Polarization-resolved fine-structure splitting of zero-dimensional In	21.0	24
20	$\frac{1}{x} \times \frac{1}{y} \times \frac{1}{z}$ Ga	3.2	23
21	Nano-laminated thin film metallic glass design for outstanding mechanical properties. <i>Scripta Materialia</i> , 2018, 155, 73-77.	5.2	23
22	Hollow CeO ₂ @Co ₂ N Nanosheets Derived from Co-ZIF-6L for Boosting the Oxygen Evolution Reaction. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100041.	3.7	23
23	Liquid-target reactive magnetron sputter epitaxy of High quality GaN(0001 _l ,) nanorods on Si(111). <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 702-710.	4.0	22
24	Regulating the size and spatial distribution of Pd nanoparticles supported by the defect engineered metal-organic framework HKUST-1 and applied in the aerobic oxidation of cinnamyl alcohol. <i>Catalysis Science and Technology</i> , 2019, 9, 3703-3710.	4.1	21
25	Insights into the Formation, Chemical Stability, and Activity of Transient Ni _y P@NiO _x Core-Shell Heterostructures for the Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2020, 3, 2304-2309.	5.1	20
26	A Universal Nano-capillary Based Method of Catalyst Immobilization for Liquid-Cell Transmission Electron Microscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5586-5590.	13.8	19
27	Dynamic characteristics of the exciton and the biexciton in a single InGaN quantum dot. <i>Applied Physics Letters</i> , 2012, 101, 061910.	3.3	18
28	Segregation Phenomena in Size-Selected Bimetallic CuNi Nanoparticle Catalysts. <i>Journal of Physical Chemistry B</i> , 2018, 122, 919-926.	2.6	18
29	Photoconduction efficiencies and dynamics in GaN nanowires grown by chemical vapor deposition and molecular beam epitaxy: A comparison study. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	17
30	Sauerstoffevolutionselektrokatalyse eines einzelnen MOF-basierten Kompositnanopartikels an der Spitze einer Nanoelektrode. <i>Angewandte Chemie</i> , 2019, 131, 9021-9026.	2.0	17
31	Amorphous-crystalline transition in thermoelectric NbO ₂ . <i>Journal Physics D: Applied Physics</i> , 2015, 48, 275301.	2.8	15
32	Comparison of CVD- and MBE-grown GaN Nanowires: Crystallinity, Photoluminescence, and Photoconductivity. <i>Journal of Electronic Materials</i> , 2015, 44, 177-187.	2.2	14
33	Evaluation of the intrinsic catalytic activity of nanoparticles without prior knowledge of the mass loading. <i>Faraday Discussions</i> , 2018, 210, 317-332.	3.2	13
34	Cobalt metalloid and polybenzoxazine derived composites for bifunctional oxygen electrocatalysis. <i>Electrochimica Acta</i> , 2019, 297, 1042-1051.	5.2	13
35	Synergistic Effect of Molybdenum and Tungsten in Highly Mixed Carbide Nanoparticles as Effective Catalysts in the Hydrogen Evolution Reaction under Alkaline and Acidic Conditions. <i>ChemElectroChem</i> , 2020, 7, 983-988.	3.4	13
36	InN nanocolumns grown by molecular beam epitaxy and their luminescence properties. <i>Journal of Crystal Growth</i> , 2015, 430, 93-97.	1.5	12

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37	Growth of sparse arrays of narrow GaN nanorods hosting spectrally stable InGaN quantum disks. Optics Express, 2012, 20, 16166.	3.4	11
38	Suppressed piezoelectric polarization in single InGaN/GaN heterostructure nanowires. Physical Review B, 2013, 88, .	3.2	11
39	m-plane (101̄±0) InN heteroepitaxied on (100)-̄ ³ -LiAlO ₂ substrate: Growth orientation control and characterization of structural and optical anisotropy. Journal of Applied Physics, 2010, 107, 073502.	2.5	10
40	Elektrokatalyse einzelner, auf der Spitze einer Kohlenstoffâ€Nanoelektrode platzierter Co ₃ O ₄ â€Nanopartikel. Angewandte Chemie, 2021, 133, 3619-3624.	2.0	9
41	Modulation of transport properties of RuO ₂ with 3d transition metals. Materials Research Express, 2014, 1, 045034.	1.6	8
42	Determination of critical diameters for intrinsic carrier diffusion-length of GaN nanorods with cryo-scanning near-field optical microscopy. Scientific Reports, 2016, 6, 21482.	3.3	8
43	Effects of N ₂ Partial Pressure on Growth, Structure, and Optical Properties of GaN Nanorods Deposited by Liquid-Target Reactive Magnetron Sputter Epitaxy. Nanomaterials, 2018, 8, 223.	4.1	8
44	Einzelpartikelâ€Nanoelektrochemie fÃ¼r die Untersuchung der AktivitÃt der elektrokatalytischen Sauerstoffentwicklungsreaktion an Co ₃ O ₄ NanowÃrfeIn. Angewandte Chemie, 2021, 133, 23634.	2.0	7
45	Nucleation of single GaN nanorods with diameters smaller than 35â€%nm by molecular beam epitaxy. Applied Physics Letters, 2013, 103, .	3.3	6
46	Excitons and biexcitons in InGaN quantum dot like localization centers. Nanotechnology, 2014, 25, 495702.	2.6	6
47	Correlative theoretical and experimental investigation of the formation of AlYB ₁₄ and competing phases. Journal of Applied Physics, 2016, 119, .	2.5	6
48	Coordination Cageâ€Based Emulsifiers: Templated Formation of Metal Oxide Microcapsules Monitored by In Situ LCâ€TEM. Chemistry - A European Journal, 2022, 28, e202103406.	3.3	6
49	Nanometre-scale 3D defects in Cr ₂ AlC thin films. Scientific Reports, 2017, 7, 984.	3.3	5
50	Nonaqueous Emulsion Polycondensation Enabled by a Selfâ€Assembled Cageâ€like Surfactant. Chemistry - A European Journal, 2022, , .	3.3	4
51	Nanoscale decomposition of Nbâ€Ruâ€O. Solid State Communications, 2016, 245, 20-24.	1.9	3
52	Polarized emission and excitonic fine structure energies of InGaN quantum dots. Physica B: Condensed Matter, 2012, 407, 1553-1555.	2.7	1
53	2D Metal-Organic Frameworks: Ultrathin 2D Cobalt Zeolite-Imidazole Framework Nanosheets for Electrocatalytic Oxygen Evolution (Adv. Sci. 11/2018). Advanced Science, 2018, 5, 1870072.	11.2	1
54	Eine universelle, auf Nanokapillaren basierende Methode zur Katalysatorimmobilisierung fÃ¼r die FlÃ¼ssigzellâ€Transmissionselektronenmikroskopie. Angewandte Chemie, 2020, 132, 5634-5638.	2.0	1

#	ARTICLE	IF	CITATIONS
55	Carrier dynamics in epilayers and nanocolumns of ternary AlGaIn with a tunable bandgap. IOP Conference Series: Materials Science and Engineering, 2012, 38, 012054.	0.6	0