Yen-Ting Chen

List of Publications by Year
in descending order

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	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
2	In Situ Carbon Corrosion and Cu Leaching as a Strategy for Boosting Oxygen Evolution Reaction in Multimetal Electrocatalysts. Advanced Materials, 2022, 34, e2109108.	21.0	24
3	Nonaqueous Emulsion Polycondensation Enabled by a Selfâ€Assembled Cageâ€like Surfactant. Chemistry - A European Journal, 2022, , .	3.3	4
4	Elektrokatalyse einzelner, auf der Spitze einer Kohlenstoffâ€Nanoelektrode platzierter Co 3 O 4 â€Nanopartikel. Angewandte Chemie, 2021, 133, 3619-3624.	2.0	9
5	Singleâ€Entity Electrocatalysis of Individual â€œPickedâ€andâ€Droppedâ€•Co₃O₄ Nanoparticles on the Tip of a Carbon Nanoelectrode. Angewandte Chemie - International Edition, 2021, 60, 3576-3580.	13.8	40
6	Hollow CeO₂@Co₂N Nanosheets Derived from Coâ€ZIFâ€L for Boosting the Oxygen Evolution Reaction. Advanced Materials Interfaces, 2021, 8, 2100041.	3.7	23
7	Einzelpartikelâ€Nanoelektrochemie fÃ¼r die Untersuchung der AktivitÃt der elektrokatalytischen Sauerstoffentwicklungsreaktion an Co 3 O 4 NanowÃ¼rfeln. Angewandte Chemie, 2021, 133, 23634.	2.0	7
8	Single Particle Nanoelectrochemistry Reveals the Catalytic Oxygen Evolution Reaction Activity of Co₃O₄ Nanocubes. Angewandte Chemie - International Edition, 2021, 60, 23444-23450.	13.8	52
9	Is Cu instability during the CO₂ reduction reaction governed by the applied potential or the local CO concentration?. Chemical Science, 2021, 12, 4028-4033.	7.4	42
10	Synergistic Effect of Molybdenum and Tungsten in Highly Mixed Carbide Nanoparticles as Effective Catalysts in the Hydrogen Evolution Reaction under Alkaline and Acidic Conditions. ChemElectroChem, 2020, 7, 983-988.	3.4	13
11	Insights into the Formation, Chemical Stability, and Activity of Transient Ni_yP@NiO_x Coreâ€“Shell Heterostructures for the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 2304-2309.	5.1	20
12	Eine universelle, auf Nanokapillaren basierende Methode zur Katalysatorimmobilisierung fÃ¼r die FlÃ¼ssigzellâ€Transmissionselektronenmikroskopie. Angewandte Chemie, 2020, 132, 5634-5638.	2.0	1
13	A Universal Nanoâ€capillary Based Method of Catalyst Immobilization for Liquidâ€Cell Transmission Electron Microscopy. Angewandte Chemie - International Edition, 2020, 59, 5586-5590.	13.8	19
14	Towards Mechanistic Understanding of Liquidâ€Phase Cinnamyl Alcohol Oxidation with tert â€Butyl Hydroperoxide over Nobleâ€Metalâ€Free LaCo 1â€“ x Fe x O 3 Perovskites. ChemPlusChem, 2019, 84, 1155-1163.	2.8	29
15	Functional Carbon Quantum Dots as Medical Countermeasures to Human Coronavirus. ACS Applied Materials & Interfaces, 2019, 11, 42964-42974.	8.0	231
16	Enhancing the water splitting performance of cryptomelane-type Î±-(K)MnO2. Journal of Catalysis, 2019, 374, 335-344.	6.2	27
17	Regulating the size and spatial distribution of Pd nanoparticles supported by the defect engineered metalâ€“organic framework HKUST-1 and applied in the aerobic oxidation of cinnamyl alcohol. Catalysis Science and Technology, 2019, 9, 3703-3710.	4.1	21
18	Niâ€Metalloid (B, Si, P, As, and Te) Alloys as Water Oxidation Electrocatalysts. Advanced Energy Materials, 2019, 9, 1900796.	19.5	93

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19	Sauerstoffevolutionselektrokatalyse eines einzelnen MOFâ€basierten Kompositnanopartikels an der Spitze einer Nanoelektrode. Angewandte Chemie, 2019, 131, 9021-9026.	2.0	17
20	Oxygen Evolution Electrocatalysis of a Single MOFâ€Derived Composite Nanoparticle on the Tip of a Nanoelectrode. Angewandte Chemie - International Edition, 2019, 58, 8927-8931.	13.8	91
21	Surface Segregation in CuNi Nanoparticle Catalysts During CO₂ Hydrogenation: The Role of CO in the Reactant Mixture. Journal of Physical Chemistry C, 2019, 123, 8421-8428.	3.1	38
22	Cobalt metalloid and polybenzoxazine derived composites for bifunctional oxygen electrocatalysis. Electrochimica Acta, 2019, 297, 1042-1051.	5.2	13
23	Evaluation of the intrinsic catalytic activity of nanoparticles without prior knowledge of the mass loading. Faraday Discussions, 2018, 210, 317-332.	3.2	13
24	Segregation Phenomena in Size-Selected Bimetallic CuNi Nanoparticle Catalysts. Journal of Physical Chemistry B, 2018, 122, 919-926.	2.6	18
25	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
26	Rational Design of an Amphiphilic Coordination Cage-Based Emulsifier. Journal of the American Chemical Society, 2018, 140, 17384-17388.	13.7	42
27	Ultrathin 2D Cobalt Zeoliteâ€Imidazole Framework Nanosheets for Electrocatalytic Oxygen Evolution. Advanced Science, 2018, 5, 1801029.	11.2	92
28	Discovery of a Multinary Noble Metalâ€“Free Oxygen Reduction Catalyst. Advanced Energy Materials, 2018, 8, 1802269.	19.5	227
29	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
30	Influence of Temperature and Electrolyte Concentration on the Structure and Catalytic Oxygen Evolution Activity of Nickelâ€“Iron Layered Double Hydroxide. Chemistry - A European Journal, 2018, 24, 13773-13777.	3.3	57
31	Nano-laminated thin film metallic glass design for outstanding mechanical properties. Scripta Materialia, 2018, 155, 73-77.	5.2	23
32	Effects of N2 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
33	CuPd Mixed-Metal HKUST-1 as a Catalyst for Aerobic Alcohol Oxidation. Journal of Physical Chemistry C, 2018, 122, 21433-21440.	3.1	40
34	Towards Reproducible Fabrication of Nanometreâ€Sized Carbon Electrodes: Optimisation of Automated Nanoelectrode Fabrication by Means of Transmission Electron Microscopy. ChemElectroChem, 2018, 5, 3083-3088.	3.4	38
35	Nanometre-scale 3D defects in Cr2AlC thin films. Scientific Reports, 2017, 7, 984.	3.3	5
36	Crystallite size-dependent metastable phase formation of TiAlN coatings. Scientific Reports, 2017, 7, 16096.	3.3	34

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37	Correlative theoretical and experimental investigation of the formation of AlYB14 and competing phases. Journal of Applied Physics, 2016, 119, .	2.5	6
38	Nanoscale decomposition of Nbâ€“Ruâ€“O. Solid State Communications, 2016, 245, 20-24.	1.9	3
39	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
40	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
41	InN nanocolumns grown by molecular beam epitaxy and their luminescence properties. Journal of Crystal Growth, 2015, 430, 93-97.	1.5	12
42	Liquid-target reactive magnetron sputter epitaxy of High quality GaN(0001Ì„) nanorods on Si(111). Materials Science in Semiconductor Processing, 2015, 39, 702-710.	4.0	22
43	Amorphous-crystalline transition in thermoelectric NbO₂. Journal Physics D: Applied Physics, 2015, 48, 275301.	2.8	15
44	Comparison of CVD- and MBE-grown GaN Nanowires: Crystallinity, Photoluminescence, and Photoconductivity. Journal of Electronic Materials, 2015, 44, 177-187.	2.2	14
45	Modulation of transport properties of RuO₂with 3d transition metals. Materials Research Express, 2014, 1, 045034.	1.6	8
46	Excitons and biexcitons in InGaN quantum dot like localization centers. Nanotechnology, 2014, 25, 495702.	2.6	6
47	Suppressed piezoelectric polarization in single InGaN/GaN heterostructure nanowires. Physical Review B, 2013, 88, .	3.2	11
48	Nucleation of single GaN nanorods with diameters smaller than 35â€‰nm by molecular beam epitaxy. Applied Physics Letters, 2013, 103, .	3.3	6
49	Growth of sparse arrays of narrow GaN nanorods hosting spectrally stable InGaN quantum disks. Optics Express, 2012, 20, 16166.	3.4	11
50	Photoconduction efficiencies and dynamics in GaN nanowires grown by chemical vapor deposition and molecular beam epitaxy: A comparison study. Applied Physics Letters, 2012, 101, .	3.3	17
51	Carrier dynamics in epilayers and nanocolumns of ternary AlGaN with a tunable bandgap. IOP Conference Series: Materials Science and Engineering, 2012, 38, 012054.	0.6	0
52	Dynamic characteristics of the exciton and the biexciton in a single InGaN quantum dot. Applied Physics Letters, 2012, 101, 061910.	3.3	18
53	Polarized emission and excitonic fine structure energies of InGaN quantum dots. Physica B: Condensed Matter, 2012, 407, 1553-1555.	2.7	1
54	Polarization-resolved fine-structure splitting of zero-dimensional In<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>Ga<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’	3.2	23

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55	m-plane (101Ì±0) InN heteroepitaxied on (100)-Î³-LiAlO2 substrate: Growth orientation control and characterization of structural and optical anisotropy. Journal of Applied Physics, 2010, 107, 073502.	2.5	10