Anthony Vasileff

List of Publications by Year
in descending order

54	13,579	70961 41	168136 53
papers	citations	h-index	g-index

57	57	57	13577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Selective Twoâ€Electron Electrocatalytic CO₂ Reduction on Singleâ€Atom Cu Catalysts. Small Structures, 2021, 2, 2000058.	6.9	93
2	Role of oxygen-bound reaction intermediates in selective electrochemical CO₂ reduction. Energy and Environmental Science, 2021, 14, 3912-3930.	15.6	74
3	Stable and Highly Efficient Hydrogen Evolution from Seawater Enabled by an Unsaturated Nickel Surface Nitride. Advanced Materials, 2021, 33, e2007508.	11.1	278
4	The Controllable Reconstruction of Biâ€MOFs for Electrochemical CO₂ Reduction through Electrolyte and Potential Mediation. Angewandte Chemie, 2021, 133, 18326-18332.	1.6	20
5	The Controllable Reconstruction of Biâ€MOFs for Electrochemical CO₂ Reduction through Electrolyte and Potential Mediation. Angewandte Chemie - International Edition, 2021, 60, 18178-18184.	7.2	170
6	Recent Progress of 3d Transition Metal Singleâ€Atom Catalysts for Electrochemical CO₂ Reduction. Advanced Materials Interfaces, 2021, 8, 2001904.	1.9	40
7	The Ampoule Method: A Pathway towards Controllable Synthesis of Electrocatalysts for Water Electrolysis. Chemistry - A European Journal, 2020, 26, 3898-3905.	1.7	5
8	In Situ Fragmented Bismuth Nanoparticles for Electrocatalytic Nitrogen Reduction. Advanced Energy Materials, 2020, 10, 2001289.	10.2	184
9	Graphene-encapsulated nickelâ€“copper bimetallic nanoparticle catalysts for electrochemical reduction of CO₂to CO. Chemical Communications, 2020, 56, 11275-11278.	2.2	23
10	Innentitelbild: Electrochemical Reduction of CO₂ to Ethane through Stabilization of an Ethoxy Intermediate (Angew. Chem. 44/2020). Angewandte Chemie, 2020, 132, 19530-19530.	1.6	0
11	Electrochemical Reduction of CO₂ to Ethane through Stabilization of an Ethoxy Intermediate. Angewandte Chemie, 2020, 132, 19817-19821.	1.6	33
12	Selectivity roadmap for electrochemical CO2 reduction on copper-based alloy catalysts. Nano Energy, 2020, 71, 104601.	8.2	116
13	Hydrogenated dual-shell sodium titanate cubes for sodium-ion batteries with optimized ion transportation. Journal of Materials Chemistry A, 2020, 8, 15829-15833.	5.2	14
14	Electrochemical Reduction of CO₂ to Ethane through Stabilization of an Ethoxy Intermediate. Angewandte Chemie - International Edition, 2020, 59, 19649-19653.	7.2	122
15	Frontispiece: The Ampoule Method: A Pathway towards Controllable Synthesis of Electrocatalysts for Water Electrolysis. Chemistry - A European Journal, 2020, 26, .	1.7	0
16	Synergistic catalysis between atomically dispersed Fe and a pyrrolic-N-C framework for CO₂ electroreduction. Nanoscale Horizons, 2019, 4, 1411-1415.	4.1	21
17	Efficient Surface Modulation of Single-Crystalline Na₂Ti₃O₇ Nanotube Arrays with Ti³⁺ Self-Doping toward Superior Sodium Storage. , 2019, 1, 389-398.		24
18	Selectivity Control for Electrochemical CO₂ Reduction by Charge Redistribution on the Surface of Copper Alloys. ACS Catalysis, 2019, 9, 9411-9417.	5.5	172

#	Article	IF	Citations
19	Contemporaneous oxidation state manipulation to accelerate intermediate desorption for overall water electrolysis. Chemical Communications, 2019, 55, 8313-8316.	2.2	7
20	Nonâ€metal Singleâ€Iodineâ€Atom Electrocatalysts for the Hydrogen Evolution Reaction. Angewandte Chemie, 2019, 131, 12380-12385.	1.6	23
21	Nonâ€metal Singleâ€Iodineâ€Atom Electrocatalysts for the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2019, 58, 12252-12257.	7.2	175
22	Graphitic Carbon Nitride (gâ€C₃N₄)â€Derived Nâ€Rich Graphene with Tuneable Interlayer Distance as a Highâ€Rate Anode for Sodiumâ€Ion Batteries. Advanced Materials, 2019, 31, e1901261.	11.1	362
23	Understanding the Roadmap for Electrochemical Reduction of CO₂ to Multi-Carbon Oxygenates and Hydrocarbons on Copper-Based Catalysts. Journal of the American Chemical Society, 2019, 141, 7646-7659.	6.6	711
24	Interfacial nickel nitride/sulfide as a bifunctional electrode for highly efficient overall water/seawater electrolysis. Journal of Materials Chemistry A, 2019, 7, 8117-8121.	5.2	150
25	Heteroatom-Doped Transition Metal Electrocatalysts for Hydrogen Evolution Reaction. ACS Energy Letters, 2019, 4, 805-810.	8.8	323
26	Electronic and Structural Engineering of Carbonâ€Based Metalâ€Free Electrocatalysts for Water Splitting. Advanced Materials, 2019, 31, e1803625.	11.1	229
27	An Earthâ€Abundant Catalystâ€Based Seawater Photoelectrolysis System with 17.9% Solarâ€toâ€Hydrogen Efficiency. Advanced Materials, 2018, 30, e1707261.	11.1	189
28	Die Wasserstoffentwicklungsreaktion in alkalischer LÃ¶sung: Von der Theorie und Einkristallmodellen zu praktischen Elektrokatalysatoren. Angewandte Chemie, 2018, 130, 7690-7702.	1.6	78
29	Strain Effect in Bimetallic Electrocatalysts in the Hydrogen Evolution Reaction. ACS Energy Letters, 2018, 3, 1198-1204.	8.8	183
30	NiO as a Bifunctional Promoter for RuO₂ toward Superior Overall Water Splitting. Small, 2018, 14, e1704073.	5.2	214
31	Emerging Two-Dimensional Nanomaterials for Electrocatalysis. Chemical Reviews, 2018, 118, 6337-6408.	23.0	1,552
32	The Hydrogen Evolution Reaction in Alkaline Solution: From Theory, Single Crystal Models, to Practical Electrocatalysts. Angewandte Chemie - International Edition, 2018, 57, 7568-7579.	7.2	1,018
33	Free-standing single-crystalline NiFe-hydroxide nanoflake arrays: a self-activated and robust electrocatalyst for oxygen evolution. Chemical Communications, 2018, 54, 463-466.	2.2	107
34	Rational design of electrocatalysts and photo(electro)catalysts for nitrogen reduction to ammonia (NH₃) under ambient conditions. Energy and Environmental Science, 2018, 11, 45-56.	15.6	1,217
35	Bronze alloys with tin surface sites for selective electrochemical reduction of CO₂. Chemical Communications, 2018, 54, 13965-13968.	2.2	43
36	Single-Crystal Nitrogen-Rich Two-Dimensional Mo₅N₆ Nanosheets for Efficient and Stable Seawater Splitting. ACS Nano, 2018, 12, 12761-12769.	7.3	317

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37	Constructing tunable dual active sites on two-dimensional C3N4@MoN hybrid for electrocatalytic hydrogen evolution. Nano Energy, 2018, 53, 690-697.	8.2	175
38	Polydopamine-inspired nanomaterials for energy conversion and storage. Journal of Materials Chemistry A, 2018, 6, 21827-21846.	5.2	103
39	Surface and Interface Engineering in Copper-Based Bimetallic Materials for Selective CO2 Electroreduction. CheM, 2018, 4, 1809-1831.	5.8	587
40	Self-Supported Earth-Abundant Nanoarrays as Efficient and Robust Electrocatalysts for Energy-Related Reactions. ACS Catalysis, 2018, 8, 6707-6732.	5.5	320
41	Molecule-Level g-C₃N₄ Coordinated Transition Metals as a New Class of Electrocatalysts for Oxygen Electrode Reactions. Journal of the American Chemical Society, 2017, 139, 3336-3339.	6.6	1,094
42	Recent Advances in Atomic Metal Doping of Carbonâ€based Nanomaterials for Energy Conversion. Small, 2017, 13, 1700191.	5.2	290
43	Design Strategies toward Advanced MOFâ€Derived Electrocatalysts for Energyâ€Conversion Reactions. Advanced Energy Materials, 2017, 7, 1700518.	10.2	539
44	3D Synergistically Active Carbon Nanofibers for Improved Oxygen Evolution. Advanced Energy Materials, 2017, 7, 1602928.	10.2	120
45	Nanostructured 2D Materials: Prospective Catalysts for Electrochemical CO₂ Reduction. Small Methods, 2017, 1, 1600006.	4.6	112
46	Identification of pH-dependent synergy on Ru/MoS₂ interface: a comparison of alkaline and acidic hydrogen evolution. Nanoscale, 2017, 9, 16616-16621.	2.8	120
47	Hierarchical 1T-MoS₂ nanotubular structures for enhanced supercapacitive performance. Journal of Materials Chemistry A, 2017, 5, 23704-23711.	5.2	61
48	A 3D Hybrid of Chemically Coupled Nickel Sulfide and Hollow Carbon Spheres for High Performance Lithiumâ€“Sulfur Batteries. Advanced Functional Materials, 2017, 27, 1702524.	7.8	340
49	Carbon Solving Carbon's Problems: Recent Progress of Nanostructured Carbonâ€Based Catalysts for the Electrochemical Reduction of CO₂. Advanced Energy Materials, 2017, 7, 1700759.	10.2	327
50	S-NiFe2O4 ultra-small nanoparticle built nanosheets for efficient water splitting in alkaline and neutral pH. Nano Energy, 2017, 40, 264-273.	8.2	335
51	Anion and Cation Modulation in Metal Compounds for Bifunctional Overall Water Splitting. ACS Nano, 2016, 10, 8738-8745.	7.3	376
52	Size Fractionation of Twoâ€Dimensional Subâ€Nanometer Thin Manganese Dioxide Crystals towards Superior Urea Electrocatalytic Conversion. Angewandte Chemie, 2016, 128, 3868-3872.	1.6	47
53	Size Fractionation of Twoâ€Dimensional Subâ€Nanometer Thin Manganese Dioxide Crystals towards Superior Urea Electrocatalytic Conversion. Angewandte Chemie - International Edition, 2016, 55, 3804-3808.	7.2	288
54	Three dimensional nitrogen-doped graphene hydrogels with in situ deposited cobalt phosphate nanoclusters for efficient oxygen evolution in a neutral electrolyte. Nanoscale Horizons, 2016, 1, 41-44.	4.1	54