

Laura Calvillo

List of Publications by Year in descending order

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361413

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434195

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32
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32
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1817
citing authors

#	ARTICLE	IF	CITATIONS
1	Cobalt Spinel Nanocubes on N-Doped Graphene: A Synergistic Hybrid Electrocatalyst for the Highly Selective Reduction of Carbon Dioxide to Formic Acid. <i>ACS Catalysis</i> , 2017, 7, 7695-7703.	11.2	73
2	Oxygen reduction reaction at La _x Ca _{1-x} MnO ₃ nanostructures: interplay between A-site segregation and B-site valency. <i>Catalysis Science and Technology</i> , 2016, 6, 7231-7238.	4.1	70
3	Hybridization of Molecular and Graphene Materials for CO ₂ Photocatalytic Reduction with Selectivity Control. <i>Journal of the American Chemical Society</i> , 2021, 143, 8414-8425.	13.7	64
4	Fast One-Pot Synthesis of MoS ₂ /Crumpled Graphene Nanonjunctions for Enhanced Photoelectrochemical Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25685-25692.	8.0	63
5	Oxygen Reduction at Carbon-Supported Lanthanides: The Role of the Site. <i>ChemElectroChem</i> , 2016, 3, 283-291.	3.4	63
6	A highly efficient and stable oxygen reduction reaction on Pt/CeO _x /C electrocatalyst obtained via a sacrificial precursor based on a metal-organic framework. <i>Applied Catalysis B: Environmental</i> , 2016, 189, 39-50.	20.2	57
7	Copper single-atoms embedded in 2D graphitic carbon nitride for the CO ₂ reduction. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	7.9	54
8	Graphene Oxide/Iron Oxide Nanocomposites for Water Remediation. <i>ACS Applied Nano Materials</i> , 2018, 1, 6724-6732.	5.0	53
9	Insights into the durability of Co-Fe spinel oxygen evolution electrocatalysts via operando studies of the catalyst structure. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7034-7041.	10.3	47
10	AMnO ₃ (A = Sr, La, Ca, Y) Perovskite Oxides as Oxygen Reduction Electrocatalysts. <i>Topics in Catalysis</i> , 2018, 61, 154-161.	2.8	40
11	Effect of Ni Doping on the MoS ₂ Structure and Its Hydrogen Evolution Activity in Acid and Alkaline Electrolytes. <i>Surfaces</i> , 2019, 2, 531-545.	2.3	34
12	Molybdenum Doping Augments Platinum-Copper Oxygen Reduction Electrocatalyst. <i>ChemSusChem</i> , 2018, 11, 193-201.	6.8	33
13	Enhancing the Oxygen Electroreduction Activity through Electron Tunnelling: Co _x Ultrathin Films on Pd(100). <i>ACS Catalysis</i> , 2018, 8, 2343-2352.	11.2	32
14	Electrochemical Behavior of TiO ₂ /C _y as Catalyst Support for Direct Ethanol Fuel Cells at Intermediate Temperature: From Planar Systems to Powders. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 716-725.	8.0	30
15	Carbothermal Transformation of TiO ₂ into TiO _x /C _y in UHV: Tracking Intrinsic Chemical Stabilities. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22601-22610.	3.1	29
16	Noncovalent Integration of a Bioinspired Ni Catalyst to Graphene Acid for Reversible Electrocatalytic Hydrogen Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5805-5811.	8.0	28
17	In operando XAS investigation of reduction and oxidation processes in cobalt and iron mixed spinels during the chemical loop reforming of ethanol. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20808-20817.	10.3	24
18	Inhibitive effect of Pt on Pd-hydride formation of Pd@Pt core-shell electrocatalysts: An in situ EXAFS and XRD study. <i>Electrochimica Acta</i> , 2018, 262, 27-38.	5.2	23

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19	Mean Intrinsic Activity of Single Mn Sites at LaMnO ₃ Nanoparticles Towards the Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 3044-3051.	3.4	23
20	Arene C H insertion catalyzed by ferrocene covalently heterogenized on graphene acid. Carbon, 2019, 143, 318-328.	10.3	23
21	In situ determination of the nanostructure effects on the activity, stability and selectivity of Pt-Sn ethanol oxidation catalysts. Journal of Electroanalytical Chemistry, 2018, 819, 136-144.	3.8	19
22	NiO@Ni/CNT as an Efficient Hydrogen Electrode Catalyst for a Unitized Regenerative Alkaline Microfluidic Cell. ACS Applied Energy Materials, 2020, 3, 4746-4755.	5.1	18
23	Cu ₂ O/TiO ₂ heterostructures on a DVD as easy&cheap photoelectrochemical sensors. Thin Solid Films, 2016, 603, 193-201.	1.8	13
24	Effect of Ba Content on the Activity of La _{1-x} Ba _x MnO ₃ Towards the Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 1922-1927.	3.4	12
25	VO ₂ /V ₂ O ₅ :Ag Nanostructures on a DVD as Photoelectrochemical Sensors. ChemPlusChem, 2016, 81, 391-398.	2.8	11
26	Ag-Vanadates/GO Nanocomposites by Aerosol-Assisted Spray Pyrolysis: Preparation and Structural and Electrochemical Characterization of a Versatile Material. ACS Omega, 2017, 2, 2792-2802.	3.5	11
27	Aerosol Synthesis of N and N-S Doped and Crumpled Graphene Nanostructures. Nanomaterials, 2018, 8, 406.	4.1	9
28	Electrocatalytic Site Activity Enhancement via Orbital Overlap in A ₂ MnRuO ₇ (A = Dy ³⁺ , Ho ³⁺ , and Er ³⁺) Pyrochlore Nanostructures. ACS Applied Energy Materials, 2021, 4, 176-185.	5.1	8
29	How do H ₂ oxidation molecular catalysts assemble onto carbon nanotube electrodes? A crosstalk between electrochemical and multi-physical characterization techniques. Chemical Science, 2021, 12, 15916-15927.	7.4	5
30	In Situ Study of Graphene Oxide Quantum Dot-MoS _x Nanohybrids as Hydrogen Evolution Catalysts. Surfaces, 2020, 3, 225-236.	2.3	3
31	Harnessing Molecular Fluorophores in the Carbon Dots Matrix: The Case of Safranin O. Nanomaterials, 2022, 12, 2351.	4.1	3