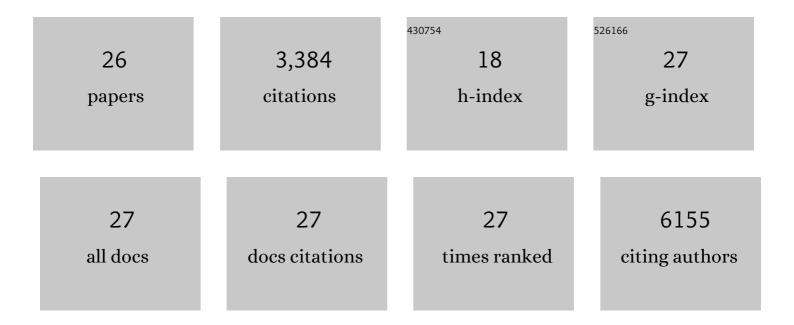
## Angel T Garcia-Esparza

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Insight on Tafel slopes from a microkinetic analysis of aqueous electrocatalysis for energy conversion. Scientific Reports, 2015, 5, 13801.	1.6	2,017
2	Cu–Sn Bimetallic Catalyst for Selective Aqueous Electroreduction of CO <sub>2</sub> to CO. ACS Catalysis, 2016, 6, 2842-2851.	5.5	380
3	Tungsten Carbide Nanoparticles as Efficient Cocatalysts for Photocatalytic Overall Water Splitting. ChemSusChem, 2013, 6, 168-181.	3.6	190
4	An Oxygenâ€Insensitive Hydrogen Evolution Catalyst Coated by a Molybdenumâ€Based Layer for Overall Water Splitting. Angewandte Chemie - International Edition, 2017, 56, 5780-5784.	7.2	106
5	Synthesis of tantalum carbide and nitride nanoparticles using a reactive mesoporous template for electrochemical hydrogen evolution. Journal of Materials Chemistry A, 2013, 1, 12606.	5.2	72
6	Exposed Equatorial Positions of Metal Centers via Sequential Ligand Elimination and Installation in MOFs. Journal of the American Chemical Society, 2018, 140, 10814-10819.	6.6	70
7	A simplified theoretical guideline for overall water splitting using photocatalyst particles. Journal of Materials Chemistry A, 2016, 4, 2894-2908.	5.2	67
8	Catalytic consequences of ultrafine Pt clusters supported on SrTiO3 for photocatalytic overall water splitting. Journal of Catalysis, 2019, 376, 180-190.	3.1	67
9	Mechanistic Switching by Hydronium Ion Activity for Hydrogen Evolution and Oxidation over Polycrystalline Platinum Disk and Platinum/Carbon Electrodes. ChemElectroChem, 2014, 1, 1497-1507.	1.7	46
10	Photoelectrochemical and electrocatalytic properties of thermally oxidized copper oxide for efficient solar fuel production. Journal of Materials Chemistry A, 2014, 2, 7389-7401.	5.2	43
11	Photophysical Properties of SrTaO <sub>2</sub> N Thin Films and Influence of Anion Ordering: A Joint Theoretical and Experimental Investigation. Chemistry of Materials, 2017, 29, 3989-3998.	3.2	37
12	Operando Study of Thermal Oxidation of Monolayer MoS <sub>2</sub> . Advanced Science, 2021, 8, 2002768.	5.6	35
13	Efficient electrochemical water oxidation in neutral and near-neutral systems with a nanoscale silver-oxide catalyst. Nanoscale, 2016, 8, 15033-15040.	2.8	31
14	Operando Elucidation on the Working State of Immobilized Fluorinated Iron Porphyrin for Selective Aqueous Electroreduction of CO <sub>2</sub> to CO. ACS Catalysis, 2021, 11, 6499-6509.	5.5	27
15	A versatile Johansson-type tender x-ray emission spectrometer. Review of Scientific Instruments, 2020, 91, 033101.	0.6	26
16	Resolving structures of transition metal complex reaction intermediates with femtosecond EXAFS. Physical Chemistry Chemical Physics, 2020, 22, 2660-2666.	1.3	21
17	Tethering Metal Ions to Photocatalyst Particulate Surfaces by Bifunctional Molecular Linkers for Efficient Hydrogen Evolution. ChemSusChem, 2014, 7, 2575-2583.	3.6	19
18	Contribution of electrolyte in nanoscale electrolysis of pure and buffered water by particulate photocatalysis. Sustainable Energy and Fuels, 2018, 2, 2044-2052.	2.5	18

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19	Revealing the bonding of solvated Ru complexes with valence-to-core resonant inelastic X-ray scattering. Chemical Science, 2021, 12, 3713-3725.	3.7	17
20	Local Structure of Sulfur Vacancies on the Basal Plane of Monolayer MoS <sub>2</sub> . ACS Nano, 2022, 16, 6725-6733.	7.3	17
21	Base-Accelerated Degradation of Nanosized Platinum Electrocatalysts. ACS Catalysis, 2021, 11, 9904-9915.	5.5	14
22	Transient Potassium Peroxide Species in Highly Selective Oxidative Coupling of Methane over an Unmolten K <sub>2</sub> WO <sub>4</sub> /SiO <sub>2</sub> Catalyst Revealed by In Situ Characterization. ACS Catalysis, 2021, 11, 14237-14248.	5.5	14
23	An Oxygenâ€Insensitive Hydrogen Evolution Catalyst Coated by a Molybdenumâ€Based Layer for Overall Water Splitting. Angewandte Chemie, 2017, 129, 5874-5878.	1.6	13
24	Full <i>in silico</i> DFT characterization of lanthanum and yttrium based oxynitride semiconductors for solar fuels. Journal of Materials Chemistry C, 2019, 7, 1612-1621.	2.7	11
25	Electrodeposited Sn–Cu@Sn dendrites for selective electrochemical CO <sub>2</sub> reduction to formic acid. Nanoscale, 2022, 14, 9297-9303.	2.8	10
26	Effect of doping TiO <sub>2</sub> with Mn for electrocatalytic oxidation in acid and alkaline electrolytes. Energy Advances, 2022, 1, 357-366.	1.4	4