

# Angel T Garcia-Esparza

## List of Publications by Citations

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23  
papers

2,294  
citations

14  
h-index

27  
g-index

27  
ext. papers

2,845  
ext. citations

9.6  
avg, IF

5.45  
L-index

#	Paper	IF	Citations
23	Insight on Tafel slopes from a microkinetic analysis of aqueous electrocatalysis for energy conversion. <i>Scientific Reports</i> , <b>2015</b> , 5, 13801	4.9	1315
22	Cu <sub>2</sub> N Bimetallic Catalyst for Selective Aqueous Electroreduction of CO <sub>2</sub> to CO. <i>ACS Catalysis</i> , <b>2016</b> , 6, 2842-2851	13.1	284
21	Tungsten carbide nanoparticles as efficient cocatalysts for photocatalytic overall water splitting. <i>ChemSusChem</i> , <b>2013</b> , 6, 168-81	8.3	166
20	An Oxygen-Insensitive Hydrogen Evolution Catalyst Coated by a Molybdenum-Based Layer for Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 5780-5784	16.4	89
19	Synthesis of tantalum carbide and nitride nanoparticles using a reactive mesoporous template for electrochemical hydrogen evolution. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 12606	13	60
18	A simplified theoretical guideline for overall water splitting using photocatalyst particles. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 2894-2908	13	53
17	Exposed Equatorial Positions of Metal Centers via Sequential Ligand Elimination and Installation in MOFs. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10814-10819	16.4	50
16	Catalytic consequences of ultrafine Pt clusters supported on SrTiO <sub>3</sub> for photocatalytic overall water splitting. <i>Journal of Catalysis</i> , <b>2019</b> , 376, 180-190	7.3	37
15	Mechanistic Switching by Hydronium Ion Activity for Hydrogen Evolution and Oxidation over Polycrystalline Platinum Disk and Platinum/Carbon Electrodes. <i>ChemElectroChem</i> , <b>2014</b> , 1, 1497-1507	4.3	37
14	Photoelectrochemical and electrocatalytic properties of thermally oxidized copper oxide for efficient solar fuel production. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 7389-7401	13	35
13	Efficient electrochemical water oxidation in neutral and near-neutral systems with a nanoscale silver-oxide catalyst. <i>Nanoscale</i> , <b>2016</b> , 8, 15033-40	7.7	28
12	Photophysical Properties of SrTaO <sub>2</sub> N Thin Films and Influence of Anion Ordering: A Joint Theoretical and Experimental Investigation. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3989-3998	9.6	26
11	A versatile Johansson-type tender x-ray emission spectrometer. <i>Review of Scientific Instruments</i> , <b>2020</b> , 91, 033101	1.7	18
10	Tethering metal ions to photocatalyst particulate surfaces by bifunctional molecular linkers for efficient hydrogen evolution. <i>ChemSusChem</i> , <b>2014</b> , 7, 2575-83	8.3	17
9	Contribution of electrolyte in nanoscale electrolysis of pure and buffered water by particulate photocatalysis. <i>Sustainable Energy and Fuels</i> , <b>2018</b> , 2, 2044-2052	5.8	13
8	Resolving structures of transition metal complex reaction intermediates with femtosecond EXAFS. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 2660-2666	3.6	13
7	An Oxygen-Insensitive Hydrogen Evolution Catalyst Coated by a Molybdenum-Based Layer for Overall Water Splitting. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 5874-5878	3.6	12

6	Revealing the bonding of solvated Ru complexes with valence-to-core resonant inelastic X-ray scattering. <i>Chemical Science</i> , <b>2021</b> , 12, 3713-3725	9.4	9
5	Full in silico DFT characterization of lanthanum and yttrium based oxynitride semiconductors for solar fuels. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 1612-1621	7.1	7
4	Operando Study of Thermal Oxidation of Monolayer MoS. <i>Advanced Science</i> , <b>2021</b> , 8, 2002768	13.6	6
3	Operando Elucidation on the Working State of Immobilized Fluorinated Iron Porphyrin for Selective Aqueous Electroreduction of CO <sub>2</sub> to CO. <i>ACS Catalysis</i> , <b>2021</b> , 11, 6499-6509	13.1	6
2	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. <i>ACS Catalysis</i> , <b>2021</b> , 11, 14237-14248	13.1	3
1	Base-Accelerated Degradation of Nanosized Platinum Electrocatalysts. <i>ACS Catalysis</i> , <b>2021</b> , 11, 9904-9915	13.1	1