

## Angel Tonatiuh Garcia Esparza

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### Bio

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#### LINKS

- Google Scholar: [https://scholar.google.com/citations?hl=en&user=s7UyAzEAAAAAJ&view\\_op=list\\_works&gmla=AJsN-F7EQJBBGaSVwUsAkCqKPEXJY2BaLcF5H4sza1\\_chTkPliyj1RMsmmWCrxmmI9-HDXT-\\_yeGpx03esQIuu0HpIdWPk92UQ](https://scholar.google.com/citations?hl=en&user=s7UyAzEAAAAAJ&view_op=list_works&gmla=AJsN-F7EQJBBGaSVwUsAkCqKPEXJY2BaLcF5H4sza1_chTkPliyj1RMsmmWCrxmmI9-HDXT-_yeGpx03esQIuu0HpIdWPk92UQ)
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### Publications

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#### PUBLICATIONS

- **Catalytic consequences of ultrafine Pt clusters supported on SrTiO<sub>3</sub> for photocatalytic overall water splitting** *JOURNAL OF CATALYSIS*  
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- **Full in silico DFT characterization of lanthanum and yttrium based oxynitride semiconductors for solar fuels** *JOURNAL OF MATERIALS CHEMISTRY C*  
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- **Exposed Equatorial Positions of Metal Centers via Sequential Ligand Elimination and Installation in MOFs** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*  
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2017; 56 (21): 5780–5784
- **Photophysical Properties of SrTaO<sub>2</sub>N Thin Films and Influence of Anion Ordering: A Joint Theoretical and Experimental Investigation** *CHEMISTRY OF MATERIALS*  
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2017; 29 (9): 3989–98
- **Cu-Sn Bimetallic Catalyst for Selective Aqueous Electroreduction of CO<sub>2</sub> to CO** *ACS CATALYSIS*  
Sarraz, S., Garcia-Esparza, A. T., Jedidi, A., Cavallo, L., Takanabe, K.  
2016; 6 (5): 2842–51
- **A simplified theoretical guideline for overall water splitting using photocatalyst particles** *JOURNAL OF MATERIALS CHEMISTRY A*  
Garcia-Esparza, A. T., Takanabe, K.  
2016; 4 (8): 2894–2908
- **Insight on Tafel slopes from a microkinetic analysis of aqueous electrocatalysis for energy conversion** *SCIENTIFIC REPORTS*  
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- **Tungsten Carbide Nanoparticles as Efficient Cocatalysts for Photocatalytic Overall Water Splitting** *CHEMSUSCHEM*  
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- **Contribution of electrolyte in nanoscale electrolysis of pure and buffered water by particulate photocatalysis** *SUSTAINABLE ENERGY & FUELS*  
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- **Synthesis of tantalum carbide and nitride nanoparticles using a reactive mesoporous template for electrochemical hydrogen evolution** *JOURNAL OF MATERIALS CHEMISTRY A*  
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