

# Irene Barba-Nieto

## List of Publications by Year in descending order

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13  
papers

199  
citations

1039406

9  
h-index

1125271

13  
g-index

13  
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13  
docs citations

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times ranked

214  
citing authors

#	ARTICLE	IF	CITATIONS
1	H <sub>2</sub> Photoproduction Efficiency: Implications of the Reaction Mechanism as a Function of the Methanol/Water Mixture. <i>Catalysts</i> , 2022, 12, 402.	1.6	1
2	Shepherding reaction intermediates to optimize H <sub>2</sub> yield using composite-doped TiO <sub>2</sub> -based photocatalysts. <i>Chemical Engineering Journal</i> , 2022, 442, 136333.	6.6	3
3	Towards full-spectrum photocatalysis: Successful approaches and materials. <i>Applied Catalysis A: General</i> , 2021, 610, 117966.	2.2	36
4	Interpreting quantum efficiency for energy and environmental applications of photo-catalytic materials. <i>Current Opinion in Chemical Engineering</i> , 2021, 33, 100712.	3.8	6
5	Pt/B-g-C <sub>3</sub> N <sub>4</sub> catalysts for hydrogen photo-production: Activity interpretation through a spectroscopic and intrinsic kinetic analysis. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106073.	3.3	8
6	Thermo-photo production of hydrogen using ternary Pt-CeO <sub>2</sub> -TiO <sub>2</sub> catalysts: A spectroscopic and mechanistic study. <i>Chemical Engineering Journal</i> , 2021, 425, 130641.	6.6	13
7	Oxide-based composites: applications in thermo-photocatalysis. <i>Catalysis Science and Technology</i> , 2021, 11, 6904-6930.	2.1	13
8	Sunlight-Operated TiO <sub>2</sub> -Based Photocatalysts. <i>Molecules</i> , 2020, 25, 4008.	1.7	23
9	Boosting Pt/TiO <sub>2</sub> hydrogen photoproduction through Zr doping of the anatase structure: A spectroscopic and mechanistic study. <i>Chemical Engineering Journal</i> , 2020, 398, 125665.	6.6	18
10	Microemulsion: A versatile synthesis tool for photocatalysis. <i>Current Opinion in Colloid and Interface Science</i> , 2020, 49, 42-59.	3.4	14
11	Promoting H <sub>2</sub> photoproduction of TiO <sub>2</sub> -based materials by surface decoration with Pt nanoparticles and SnS <sub>2</sub> nanoplatelets. <i>Applied Catalysis B: Environmental</i> , 2020, 277, 119246.	10.8	35
12	Toward the Green Production of H <sub>2</sub> : Binary Pt-Ru Promoted Nb-TiO <sub>2</sub> Based Photocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15671-15683.	3.2	17
13	Characterization of Photo-catalysts: From Traditional to Advanced Approaches. <i>Topics in Current Chemistry</i> , 2019, 377, 24.	3.0	12