

# Rebeca Bacani

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

201  
citations

933447

10  
h-index

1058476

14  
g-index

20  
all docs

20  
docs citations

20  
times ranked

326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of cadmium sulfide and the effect of thermal annealing in N <sub>2</sub> -rich atmosphere on its structural, morphological, chemical, and optical properties. <i>Materials Chemistry and Physics</i> , 2022, 277, 125492.	4.0	1
2	Efficient photodegradation of 4-chlorophenol under solar radiation using a new ZnO/ZnS/carbon xerogel composite as a photocatalyst. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113377.	3.9	16
3	Structural characterization of SnO nanoparticles synthesized by the hydrothermal and microwave routes. <i>Scientific Reports</i> , 2020, 10, 9446.	3.3	20
4	Gel Characterization: From Molecules to Nanostructure to Macroproperties. , 2019, , 141-206.		0
5	Effect of swelling agent in the synthesis of porous nanocrystalline nickel-zirconia-ceria composite. <i>Ceramics International</i> , 2019, 45, 19617-19626.	4.8	2
6	Effect of lithium and sodium ions on the size and morphology of ZnO nanoparticles synthesized by a glycerol-urea route. <i>New Journal of Chemistry</i> , 2019, 43, 18988-18995.	2.8	10
7	Effect of Nb/C ratio in the morphological, structural, optical and photocatalytic properties of novel and inexpensive Nb <sub>2</sub> O <sub>5</sub> /carbon xerogel composites. <i>Ceramics International</i> , 2018, 44, 6645-6652.	4.8	35
8	Tuned charge-transfer between ceria and 1,4,5,8-naphthalendiimide as a function of pH. <i>Journal of Luminescence</i> , 2018, 194, 240-247.	3.1	4
9	A Novel Synthesis Route of Mesoporous $\gamma$ -Alumina from Polyoxohydroxide Aluminum. <i>Materials Research</i> , 2018, 21, .	1.3	37
10	Polysilsesquioxane naphthalenediimide thermo and photochromic gels. <i>Journal of Luminescence</i> , 2018, 204, 685-691.	3.1	15
11	Synthesis and characterization of mesoporous NiO <sub>2</sub> /ZrO <sub>2</sub> -CeO <sub>2</sub> catalysts for total methane conversion. <i>Ceramics International</i> , 2017, 43, 7851-7860.	4.8	15
12	SBA-15:TiO <sub>2</sub> nanocomposites: II. Direct and post-synthesis using acetylacetone. <i>Microporous and Mesoporous Materials</i> , 2017, 239, 235-243.	4.4	20
13	In situ DXAS study of NiO/CeO <sub>2</sub> -Sm <sub>2</sub> O <sub>3</sub> nanocomposites for IT-SOFC anodes. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C284-C284.	0.1	0
14	SBA-15:TiO <sub>2</sub> nanocomposites. I. Synthesis with ionic liquids and properties. <i>Microporous and Mesoporous Materials</i> , 2016, 228, 37-44.	4.4	13
15	Structural studies of mesoporous ZrO <sub>2</sub> -CeO <sub>2</sub> and ZrO <sub>2</sub> -CeO <sub>2</sub> /SiO <sub>2</sub> mixed oxides for catalytical applications. <i>Journal of Alloys and Compounds</i> , 2016, 671, 396-402.	5.5	12
16	XANES studies of zirconia-ceria/Ni during partial/total methane oxidation. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, C130-C130.	0.1	0
17	XRD, SAXS and XANES studies of mesoporous zirconia-based materials. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2011, 67, C431-C431.	0.3	1
18	Effect of fluoride on the properties of spray-dried niobium-based composites: structure, porosity, particle size, morphology, and photoactivity. <i>Chemical Engineering Communications</i> , 0, , 1-6.	2.6	0