

# Beatriz Barrocas

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

435  
citations

567281

15  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

591  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic activity and reusability study of nanocrystalline TiO <sub>2</sub> films prepared by sputtering technique. <i>Applied Surface Science</i> , 2013, 264, 111-116.	6.1	49
2	Titanate nanofibers sensitized with ZnS and Ag <sub>2</sub> S nanoparticles as novel photocatalysts for phenol removal. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 709-720.	20.2	49
3	Impact of Fe, Mn co-doping in titanate nanowires photocatalytic performance for emergent organic pollutants removal. <i>Chemosphere</i> , 2020, 250, 126240.	8.2	30
4	The effect of ionic Co presence on the structural, optical and photocatalytic properties of modified cobalt-titanate nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 18081-18093.	2.8	28
5	Removal of rhodamine 6G dye contaminant by visible light driven immobilized Ca <sub>1-x</sub> Ln <sub>x</sub> MnO <sub>3</sub> (Ln = Sm, Ho;). <i>Tj ETQq1</i> 1 0.784314 rg85	6.1	25
6	Photocatalytic degradation of cyclophosphamide and ifosfamide: Effects of wastewater matrix, transformation products and in silico toxicity prediction. <i>Science of the Total Environment</i> , 2019, 692, 503-510.	8.0	25
7	Photocatalytic degradation of amitriptyline, trazodone and venlafaxine using modified cobalt-titanate nanowires under UV-Vis radiation: Transformation products and in silico toxicity. <i>Chemical Engineering Journal</i> , 2019, 373, 1338-1347.	12.7	23
8	Photocatalytic Reduction of Carbon Dioxide on TiO <sub>2</sub> Heterojunction Photocatalysts—A Review. <i>Materials</i> , 2022, 15, 967.	2.9	23
9	Novel titanate nanotubes-cyanocobalamin materials: Synthesis and enhanced photocatalytic properties for pollutants removal. <i>Solid State Sciences</i> , 2017, 63, 30-41.	3.2	21
10	Synthesis of titanate nanofibers co-sensitized with ZnS and Bi <sub>2</sub> S <sub>3</sub> nanocrystallites and their application on pollutants removal. <i>Materials Research Bulletin</i> , 2015, 72, 20-28.	5.2	20
11	Visible-Light Photocatalysis in Ca <sub>0.6</sub> Ho <sub>0.4</sub> MnO <sub>3</sub> Films Deposited by RF-Magnetron Sputtering Using Nanosized Powder Compacted Target. <i>Journal of Physical Chemistry C</i> , 2014, 118, 590-597.	3.1	17
12	Titanate Nanorods Modified with Nanocrystalline ZnS Particles and Their Photocatalytic Activity on Pollutant Removal. <i>Journal of Materials Science and Technology</i> , 2016, 32, 1122-1128.	10.7	17
13	Hierarchically Grown CaMn <sub>3</sub> O <sub>6</sub> Nanorods by RF Magnetron Sputtering for Enhanced Visible-Light-Driven Photocatalysis. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24127-24135.	3.1	16
14	Titanate nanotubes sensitized with silver nanoparticles: Synthesis, characterization and in-situ pollutants photodegradation. <i>Applied Surface Science</i> , 2016, 385, 18-27.	6.1	16
15	Enhanced photocatalytic degradation of psychoactive substances using amine-modified elongated titanate nanostructures. <i>Environmental Science: Nano</i> , 2018, 5, 350-361.	4.3	16
16	Ruthenium-Modified Titanate Nanowires for the Photocatalytic Oxidative Removal of Organic Pollutants from Water. <i>ACS Applied Nano Materials</i> , 2019, 2, 1341-1349.	5.0	15
17	A comparative study on emergent pollutants photo-assisted degradation using ruthenium modified titanate nanotubes and nanowires as catalysts. <i>Journal of Environmental Sciences</i> , 2020, 92, 38-51.	6.1	11
18	Visible light photocatalytic degradation of amitriptyline using cobalt doped titanate nanowires: Kinetics and characterization of transformation products. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103585.	6.7	10

#	ARTICLE	IF	CITATIONS
19	Influence of Re and Ru doping on the structural, optical and photocatalytic properties of nanocrystalline TiO <sub>2</sub> . SN Applied Sciences, 2019, 1, 1.	2.9	9
20	Characterization and electrochemical behaviour of nanostructured calcium samarium manganite electrodes fabricated by RF-Magnetron Sputtering. Electrochimica Acta, 2014, 137, 99-107.	5.2	7
21	Titanosilicates enhance carbon dioxide photocatalytic reduction. Applied Materials Today, 2022, 26, 101392.	4.3	5
22	Î±-Fe <sub>2</sub> O <sub>3</sub> Nanoparticles/Iron-Containing Vermiculite Composites: Structural, Textural, Optical and Photocatalytic Properties. Minerals (Basel, Switzerland), 2022, 12, 607.	2.0	3