Inti Zumeta-DubÃ©

List of Publications by Year
in descending order

37 papers	880 citations	516710 16 h-index	477307 29 g-index
38 all docs	38 docs citations	38 times ranked	1509 citing authors

#	Article	IF	Citations
1	New low-temperature preparation method of the TiO2 porous photoelectrode for dye-sensitized solar cells using UV irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 175, 165-171.	3.9	106
2	Easy Synthesis of High-Purity BiFeO₃ Nanoparticles: New Insights Derived from the Structural, Optical, and Magnetic Characterization. Inorganic Chemistry, 2013, 52, 10306-10317.	4.0	105
3	TiO₂Sensitization with Bi₂S₃Quantum Dots: The Inconvenience of Sodium Ions in the Deposition Procedure. Journal of Physical Chemistry C, 2014, 118, 11495-11504.	3.1	72
4	First Order Raman Scattering in Bulk Bi₂S₃ and Quantum Dots: Reconsidering Controversial Interpretations. Journal of Physical Chemistry C, 2014, 118, 30244-30252.	3.1	66
5	Bismuth oxide aqueous colloidal nanoparticles inhibit Candida albicans growth and biofilm formation. International Journal of Nanomedicine, 2013, 8, 1645.	6.7	59
6	Stabilization of Strong Quantum Confined Colloidal Bismuth Nanoparticles, One-Pot Synthesized at Room Conditions. Journal of Physical Chemistry C, 2012, 116, 14717-14727.	3.1	52
7	TiO2 thin film deposition from solution using microwave heating. Thin Solid Films, 2000, 365, 12-18.	1.8	46
8	Comparative study of nanocrystalline TiO2 photoelectrodes based on characteristics of nanopowder used. Solar Energy Materials and Solar Cells, 2003, 76, 15-24.	6.2	39
9	Nanocrystalline TiO2 photosensitized with natural polymers with enhanced efficiency from 400 to 600nm. Solar Energy Materials and Solar Cells, 2005, 85, 359-369.	6.2	38
10	TiO2 films obtained by microwave-activated chemical-bath deposition used to improve TiO2-conducting glass contact. Solar Energy Materials and Solar Cells, 2009, 93, 1728-1732.	6.2	32
11	Preparation of photoelectrodes with spectral response in the visible without applied bias based on photochemically deposited copper oxide inside a porous titanium dioxide film. Thin Solid Films, 2005, 489, 50-55.	1.8	22
12	Bismuth Oxide Nanoparticles Partially Substituted with Eu^{III}, Mn^{IV}, and Si^{IV}: Structural, Spectroscopic, and Optical Findings. Inorganic Chemistry, 2017, 56, 3394-3403.	4.0	22
13	Cu 3 TaSe 4 and Cu 3 NbSe 4 : X-ray diffraction, differential thermal analysis, optical absorption and Raman scattering. Journal of Alloys and Compounds, 2016, 658, 749-756.	5.5	21
14	The role of conducting-oxide-substrate type and morphology in TiO2 films grown by microwave chemical bath deposition (MW-CBD) and their photovoltaic characteristics. Journal of Crystal Growth, 2004, 262, 366-374.	1.5	20
15	Transformation of Bismuth and Î²-Bi₂O₃ Nanoparticles into (BiO)₂CO₃ and (BiO)₄(OH)₂CO₃ by Capturing CO₂: The Role of Halloysite Nanotubes and â€œSunlightâ€• on the Crystal Shape and Size. Crystal Growth and Design, 2018, 18, 4334-4346.	3.0	20
16	Structural analysis of TiO2 films grown using microwave-activated chemical bath deposition. Thin Solid Films, 2002, 419, 65-68.	1.8	17
17	Mechanochemically obtained Pdâ€“Ag nanoalloys. Structural considerations and catalytic activity. Materialia, 2018, 4, 166-174.	2.7	16
18	Facile synthesis of rod-shaped bismuth sulfide@graphene oxide (Bi2S3@GO) composite. Materials Chemistry and Physics, 2018, 219, 376-389.	4.0	16

#	Article	IF	Citations
19	Role of the conducting layer substrate on TiO2nucleation when using microwave activated chemical bath deposition. Semiconductor Science and Technology, 2002, 17, 1218-1222.	2.0	15
20	Synthesis of TiO2 Nanoparticles with Narrow Size Distribution and Their Evaluation in the Photocatalytic Oxidative Degradation of Bis(4-nitrophenyl) Phosphate. Journal of Physical Chemistry C, 2010, 114, 11381-11389.	3.1	14
21	Two-layer TiO2nanostructured photoelectrode with underlying film obtained by microwave-activated chemical bath deposition (MW-CBD). Semiconductor Science and Technology, 2004, 19, L52-L55.	2.0	10
22	TiO2â€“CuO three-dimensional heterostructure obtained using short time photochemical deposition of copper oxide inside a porous nanocrystalline TiO2 layer. Microporous and Mesoporous Materials, 2008, 109, 560-566.	4.4	10
23	Can Silver Be Alloyed with Bismuth on Nanoscale? An Optical and Structural Approach. Journal of Physical Chemistry C, 2017, 121, 940-949.	3.1	10
24	Production of Methanol from Aqueous CO₂ by Using Co₃O₄ Nanostructures as Photocatalysts. Journal of Nanomaterials, 2019, 2019, 1-10.	2.7	10
25	Thermoelectric transport properties of CuFeInTe3. Journal of Alloys and Compounds, 2015, 651, 490-496.	5.5	9
26	Unraveling amazing structural features of a highly efficient â€œoxo-Co/phosphateâ€•catalyst for water oxidation. Applied Catalysis B: Environmental, 2021, 282, 119549.	20.2	6
27	Rutherford backscattering spectrometry analysis of TiO2 thin films. Materials Characterization, 2003, 50, 155-160.	4.4	5
28	Strong texture tuning along different crystalline directions in glass-supported CeO2 thin films by ultrasonic spray pyrolysis. Scientific Reports, 2021, 11, 2006.	3.3	4
29	First principle calculations on the adsorption of molecular H2 in the largest pore of Co[Fe(CN)5NO] and Ni[Fe(CN)5NO] metal nitroprussides. Effect of the charged cavities on the adsorption and H2-host interactions. Computational Materials Science, 2016, 114, 102-111.	3.0	3
30	Combined experimentalâ€“theoretical investigation on the interactions of Diuron with a ureaâ€“formaldehyde matrix: implications for its use as an â€œintelligent pesticideâ€• Chemical Papers, 2017, 71, 2495-2503.	2.2	3
31	Magnetic properties of Pdâ€“Ag nanoalloys obtained by liquid-assisted mechanochemical pathway. Journal of Physics and Chemistry of Solids, 2022, 161, 110427.	4.0	3
32	Photovoltaic behavior of structures based on nanocrystalline semiconductor oxides. Physica Status Solidi (B): Basic Research, 2005, 242, 1807-1811.	1.5	2
33	Preparation and characterization of (CuInTe2)1-x(TaTe)x solid solutions (0<x<1). Journal of Alloys and Compounds, 2018, 747, 176-188.	5.5	2
34	Nanostructured CuO film grown from solution by preferential microwave heating of the conducting glass substrate. Materials Letters, 2020, 270, 127687.	2.6	2
35	Degradation of bis-<i>p</i>-nitrophenyl phosphate using zero-valent iron nanoparticles. Journal of Physics: Conference Series, 2017, 838, 012034.	0.4	1
36	New Understanding on an Old Compound: Insights on the Origin of Chain Sequence Defects and Their Impact on the Electronic Structure of AuCN. European Journal of Inorganic Chemistry, 2021, 2021, 3742-3751.	2.0	1

#	Article	IF	Citations
37	Kinetic studies of the release profiles of antiepileptic drug released from a nanostructured TiO_2 matrix.. Journal of Advances in Chemistry, 2016, 12, 4365-4373.	0.1	1