Mariano Curti

List of Publications by Year
in descending order

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Version: 2024-02-01

25 papers	440 citations	686830 13 h-index	713013 21 g-index
25 all docs	25 docs citations	25 times ranked	519 citing authors

#	Article	IF	Citations
1	Charge Carriers in Commercial Photocatalysts: Fractal Kinetics and Effect of â€œInertâ€•Additives. Topics in Catalysis, 2021, 64, 737-747.	1.3	2
2	TiO2 photocatalysis: Impact of the platinum loading method on reductive and oxidative half-reactions. Catalysis Today, 2021, 380, 3-15.	2.2	19
3	Application of EPR Spectroscopy in TiO2 and Nb2O5 Photocatalysis. Catalysts, 2021, 11, 1514.	1.6	28
4	Mechanistic Insights into Hydrogen Evolution by Photocatalytic Reforming of Naphthalene. ACS Catalysis, 2020, 10, 7398-7412.	5.5	29
5	Nitrogen/Carbon-Coated Zero-Valent Copper as Highly Efficient Co-catalysts for TiO₂ Applied in Photocatalytic and Photoelectrocatalytic Hydrogen Production. ACS Applied Materials & Interfaces, 2020, 12, 30365-30380.	4.0	35
6	Photocatalytic H₂ Evolution from Oxalic Acid: Effect of Cocatalysts and Carbon Dioxide Radical Anion on the Surface Charge Transfer Mechanisms. ACS Applied Energy Materials, 2020, 3, 6678-6691.	2.5	25
7	Elastic, phononic, magnetic and electronic properties of quasi-one-dimensional PbFeBO4. Journal of Materials Science, 2019, 54, 13579-13593.	1.7	2
8	Regarding the Nature of Charge Carriers Formed by UV or Visible Light Excitation of Carbon-Modified Titanium Dioxide. Catalysts, 2019, 9, 697.	1.6	7
9	Tailoring the Photoelectrochemical Activity of TiO₂ Electrodes by Multilayer Screenâ€Printing. ChemCatChem, 2019, 11, 6439-6450.	1.8	11
10	Structural, vibrational and electronic properties of SnMBO4 (Mâ€‰â€‰=â€‰â€‰Al, Ga): a predictive hybrid DFT study. Journal of Physics Condensed Matter, 2019, 31, 345701.	0.7	6
11	Dynamics of photoinduced bulk and surface reactions involving semiconductors characterized by time resolved spectroscopy techniques (2015â€“2018). Photochemistry, 2019, , 122-158.	0.2	7
12	Angle dependence in slow photon photocatalysis using TiO 2 inverse opals. Chemical Physics, 2018, 502, 33-38.	0.9	8
13	Characterization of titania inverse opals prepared by two distinct infiltration approaches. Materials Research Bulletin, 2018, 101, 12-19.	2.7	4
14	Thermal properties of 2:1 bismuth borate: Temperatureâ€dependent characterizations of lone electron pairs. Journal of the American Ceramic Society, 2018, 102, 2154.	1.9	2
15	Visible-Light Photocatalysis with Mullite-Type Bi2(Al1â€“xFex)4O9: Striking the Balance between Bandgap Narrowing and Conduction Band Lowering. ACS Catalysis, 2018, 8, 8844-8855.	5.5	20
16	Stopband tuning of TiO2 inverse opals for slow photon absorption. Materials Research Bulletin, 2017, 91, 155-165.	2.7	38
17	CHAPTER 3. Current Issues Concerning the Mechanism of Pristine TiO2 Photocatalysis and the Effects on Photonic Crystal Nanostructures. RSC Energy and Environment Series, 2016, , 51-79.	0.2	2
18	Characterization of lone electron pair using Liebau density vector and Wang-Liebau eccentricity parameters. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s267-s267.	0.0	1

#	Article	IF	Citations
19	Thermal expansion of mullite-type Bi2Al4O9: A study by X-ray diffraction, vibrational spectroscopy and density functional theory. Journal of Solid State Chemistry, 2015, 229, 87-96.	1.4	29
20	Inverse Opal Photonic Crystals as a Strategy to Improve Photocatalysis: Underexplored Questions. Journal of Physical Chemistry Letters, 2015, 6, 3903-3910.	2.1	88
21	Anisotropic lattice thermal expansion of PbFeBO4: A study by X-ray and neutron diffraction, Raman spectroscopy and DFT calculations. Materials Research Bulletin, 2014, 59, 170-178.	2.7	27
22	Structural properties of mullite-type Pb(Al1â€“xMnx)BO4. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, .	0.4	13
23	Liebau density vector: a new approach to characterize lone electron pairs in mullite-type materials. Zeitschrift Fur Kristallographie - Crystalline Materials, 2013, 228, .	0.4	16
24	Strontium doping in mullite-type bismuth aluminate: a vacancy investigation using neutrons, photons and electrons. Journal of Materials Chemistry, 2012, 22, 18814.	6.7	20
25	Importance of Surfaces and Many-Body Absorption Spectra for C-Doped TiO2 Photocatalysts. Journal of Physical Chemistry C, 0, , .	1.5	1