

Mariano Curti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4177430/publications.pdf>

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 | Inverse Opal Photonic Crystals as a Strategy to Improve Photocatalysis: Underexplored Questions. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3903-3910. | 2.1 | 88 |
| 2 | Stopband tuning of TiO ₂ inverse opals for slow photon absorption. <i>Materials Research Bulletin</i> , 2017, 91, 155-165. | 2.7 | 38 |
| 3 | Nitrogen/Carbon-Coated Zero-Valent Copper as Highly Efficient Co-catalysts for TiO ₂ Applied in Photocatalytic and Photoelectrocatalytic Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 30365-30380. | 4.0 | 35 |
| 4 | Thermal expansion of mullite-type Bi ₂ Al ₄ O ₉ : A study by X-ray diffraction, vibrational spectroscopy and density functional theory. <i>Journal of Solid State Chemistry</i> , 2015, 229, 87-96. | 1.4 | 29 |
| 5 | Mechanistic Insights into Hydrogen Evolution by Photocatalytic Reforming of Naphthalene. <i>ACS Catalysis</i> , 2020, 10, 7398-7412. | 5.5 | 29 |
| 6 | Application of EPR Spectroscopy in TiO ₂ and Nb ₂ O ₅ Photocatalysis. <i>Catalysts</i> , 2021, 11, 1514. | 1.6 | 28 |
| 7 | Anisotropic lattice thermal expansion of PbFeBO ₄ : A study by X-ray and neutron diffraction, Raman spectroscopy and DFT calculations. <i>Materials Research Bulletin</i> , 2014, 59, 170-178. | 2.7 | 27 |
| 8 | Photocatalytic H ₂ Evolution from Oxalic Acid: Effect of Cocatalysts and Carbon Dioxide Radical Anion on the Surface Charge Transfer Mechanisms. <i>ACS Applied Energy Materials</i> , 2020, 3, 6678-6691. | 2.5 | 25 |
| 9 | Strontium doping in mullite-type bismuth aluminate: a vacancy investigation using neutrons, photons and electrons. <i>Journal of Materials Chemistry</i> , 2012, 22, 18814. | 6.7 | 20 |
| 10 | Visible-Light Photocatalysis with Mullite-Type Bi ₂ (Al _{1-x} Fe _x) ₄ O ₉ : Striking the Balance between Bandgap Narrowing and Conduction Band Lowering. <i>ACS Catalysis</i> , 2018, 8, 8844-8855. | 5.5 | 20 |
| 11 | TiO ₂ photocatalysis: Impact of the platinum loading method on reductive and oxidative half-reactions. <i>Catalysis Today</i> , 2021, 380, 3-15. | 2.2 | 19 |
| 12 | Liebau density vector: a new approach to characterize lone electron pairs in mullite-type materials. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2013, 228, . | 0.4 | 16 |
| 13 | Structural properties of mullite-type Pb(Al _{1-x} M _x)BO ₄ . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2013, 228, . | 0.4 | 13 |
| 14 | Tailoring the Photoelectrochemical Activity of TiO ₂ Electrodes by Multilayer Screen-Printing. <i>ChemCatChem</i> , 2019, 11, 6439-6450. | 1.8 | 11 |
| 15 | Angle dependence in slow photon photocatalysis using TiO ₂ inverse opals. <i>Chemical Physics</i> , 2018, 502, 33-38. | 0.9 | 8 |
| 16 | Regarding the Nature of Charge Carriers Formed by UV or Visible Light Excitation of Carbon-Modified Titanium Dioxide. <i>Catalysts</i> , 2019, 9, 697. | 1.6 | 7 |
| 17 | Dynamics of photoinduced bulk and surface reactions involving semiconductors characterized by time resolved spectroscopy techniques (2015-2018). <i>Photochemistry</i> , 2019, , 122-158. | 0.2 | 7 |
| 18 | Structural, vibrational and electronic properties of SnMBO ₄ (M = Al, Ga): a predictive hybrid DFT study. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 345701. | 0.7 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Characterization of titania inverse opals prepared by two distinct infiltration approaches. <i>Materials Research Bulletin</i> , 2018, 101, 12-19. | 2.7 | 4 |
| 20 | Thermal properties of 2:1 bismuth borate: Temperature-dependent characterizations of lone electron pairs. <i>Journal of the American Ceramic Society</i> , 2018, 102, 2154. | 1.9 | 2 |
| 21 | Elastic, phononic, magnetic and electronic properties of quasi-one-dimensional PbFeBO ₄ . <i>Journal of Materials Science</i> , 2019, 54, 13579-13593. | 1.7 | 2 |
| 22 | Charge Carriers in Commercial Photocatalysts: Fractal Kinetics and Effect of Inert Additives. <i>Topics in Catalysis</i> , 2021, 64, 737-747. | 1.3 | 2 |
| 23 | CHAPTER 3. Current Issues Concerning the Mechanism of Pristine TiO ₂ Photocatalysis and the Effects on Photonic Crystal Nanostructures. <i>RSC Energy and Environment Series</i> , 2016, , 51-79. | 0.2 | 2 |
| 24 | Importance of Surfaces and Many-Body Absorption Spectra for C-Doped TiO ₂ Photocatalysts. <i>Journal of Physical Chemistry C</i> , 0, , . | 1.5 | 1 |
| 25 | Characterization of lone electron pair using Liebau density vector and Wang-Liebau eccentricity parameters. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s267-s267. | 0.0 | 1 |