

Ricardo Luis Tranquilin

List of Publications by Citations

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papers

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33
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1,186
ext. citations

3.9
avg, IF

3.93
L-index

#	Paper	IF	Citations
31	Preparation and characterization of ceria nanospheres by microwave-hydrothermal method. <i>Materials Letters</i> , 2008 , 62, 4509-4511	3.3	172
30	Cluster coordination and photoluminescence properties of Ag_2WO_4 microcrystals. <i>Inorganic Chemistry</i> , 2012 , 51, 10675-87	5.1	143
29	Electronic structure and optical properties of BaMoO_4 powders. <i>Current Applied Physics</i> , 2010 , 10, 614-624	6.2	130
28	BaMoO_4 powders processed in domestic microwave-hydrothermal: Synthesis, characterization and photoluminescence at room temperature. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 2674-2680	3.9	90
27	Growth mechanism of octahedron-like BaMoO_4 microcrystals processed in microwave-hydrothermal: Experimental observations and computational modeling. <i>Particuology</i> , 2009 , 7, 353-362	2.8	70
26	Toward Understanding the Photocatalytic Activity of PbMoO_4 Powders with Predominant (111), (100), (011), and (110) Facets. A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 21382-21395	3.8	69
25	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO_4 crystals. <i>Polyhedron</i> , 2013 , 50, 532-545	2.7	57
24	A Combined Experimental and Theoretical Study on the Formation of Ag Filaments on Ag_2MoO_4 Induced by Electron Irradiation. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 646-651	3.1	41
23	White photoluminescence emission from ZrO_2 co-doped with Eu^{3+} , Tb^{3+} and Tm^{3+} . <i>Journal of Alloys and Compounds</i> , 2016 , 674, 245-251	5.7	39
22	Experimental and theoretical study to explain the morphology of CaMoO_4 crystals. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 114, 141-152	3.9	31
21	Understanding the White-Emitting CaMoO_4 Co-Doped Eu^{3+} , Tb^{3+} , and Tm^{3+} Phosphor through Experiment and Computation. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18536-18550	3.8	27
20	Structure, morphology and photoluminescence emissions of ZnMoO_4 : $\text{RE}^{3+}=\text{Tb}^{3+} - \text{Tm}^{3+} - \text{X} \text{Eu}^{3+}$ ($\text{X} = 1, 1.5, 2, 2.5$ and $3 \text{ mol}\%$) particles obtained by the sonochemical method. <i>Journal of Alloys and Compounds</i> , 2018 , 750, 55-70	5.7	26
19	Photoluminescent properties of the $\text{Ba}_{1-x}\text{Zn}_x\text{MoO}_4$ heterostructure obtained by ultrasonic spray pyrolysis. <i>Ceramics International</i> , 2018 , 44, 3775-3786	5.1	24
18	Effect of polyvinyl alcohol on the shape, photoluminescence and photocatalytic properties of PbMoO_4 microcrystals. <i>Materials Science in Semiconductor Processing</i> , 2014 , 26, 425-430	4.3	20
17	CaSnO_3 obtained by modified Pechini method applied in the photocatalytic degradation of an azo dye. <i>Ceramica</i> , 2017 , 63, 536-541	1	17
16	Disclosing the Structural, Electronic, Magnetic, and Morphological Properties of CuMnO_2 : A Unified Experimental and Theoretical Approach. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 5378-5388	3.8	16
15	Synthesis and characterization of Ag^+ and Zn^{2+} co-doped CaWO_4 nanoparticles by a fast and facile sonochemical method. <i>Journal of Alloys and Compounds</i> , 2020 , 823, 153617	5.7	16

14	Enhancement of the photocatalytic activity and white emission of CaIn_2O_4 nanocrystals. <i>Journal of Alloys and Compounds</i> , 2016 , 658, 316-323	5.7	11
13	Influence of $\text{Zn}_{1-x}\text{Ca}_x\text{WO}_4$ heterostructures synthesized by spray pyrolysis on photoluminescence property. <i>Ceramics International</i> , 2019 , 45, 23256-23264	5.1	9
12	Development of ZnO/PDMS nanocomposite with photocatalytic/hydrophobic multifunction. <i>Chemical Physics Letters</i> , 2020 , 740, 137051	2.5	9
11	Spray pyrolysis synthesis and characterization of $\text{Mg}_{1-x}\text{Sr}_x\text{MoO}_4$ heterostructure with white light emission. <i>Journal of Alloys and Compounds</i> , 2020 , 813, 152235	5.7	9
10	Structure, electronic properties, morphology evolution, and photocatalytic activity in PbMoO and PbCaSrMoO ($x = 0.1, 0.2, 0.3, 0.4$ and 0.5) solid solutions. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 25876-25891	3.6	8
9	Atomistic Perspective on the Intrinsic White-Light Photoluminescence of Rare-Earth Free MgMoO_4 Nanoparticles. <i>Crystal Growth and Design</i> , 2020 , 20, 6592-6603	3.5	7
8	Stabilization of the Ag_2WO_4 metastable pure phase by coprecipitation method using polyvinylpyrrolidone as surfactant: Photocatalytic property. <i>Ceramics International</i> , 2020 , 46, 14864-14871	5.1	6
7	Effect of different starting materials on the synthesis of $\text{Ba}_{0.8}\text{Ca}_{0.2}\text{TiO}_3$. <i>Journal of Advanced Ceramics</i> , 2015 , 4, 65-70	10.7	5
6	Cerium molybdate nanocrystals: Microstructural, optical and gas-sensing properties. <i>Journal of Alloys and Compounds</i> , 2021 , 857, 157562	5.7	3
5	Photoluminescent properties of Sm^{3+} and Tb^{3+} codoped CaWO_4 nanoparticles obtained by a one-step sonochemical method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 13261-13272	2.1	2
4	Presence of excited electronic states on terbium incorporation in CaMoO_4 : Insights from experimental synthesis and first-principles calculations. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 149, 109790	3.9	2
3	Synthesis of potassium niobates by the microwave-assisted solvothermal method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 97, 012001	0.4	1
2	Preparation of Laser-Modified Ti-15Mo Surfaces With Multiphase Calcium Phosphate Coatings. <i>Materials Research</i> , 2020 , 23,	1.5	1
1	Effect of temperature on ultrasonic spray pyrolysis method in zinc tungstate: The relationship between structural and optical properties. <i>Materials Chemistry and Physics</i> , 2021 , 258, 123991	4.4	1