Ricardo Luis Tranquilin

List of Publications by Year in Descending Order

31 papers	1,063 citations	16 h-index	32 g-index
33 ext. papers	1,186 ext. citations	3.9 avg, IF	3.93 L-index

#	Paper	IF	Citations
31	Presence of excited electronic states on terbium incorporation in CaMoO4: Insights from experimental synthesis and first-principles calculations. *Journal of Physics and Chemistry of Solids*, **2021**, 149, 109790	3.9	2
30	Cerium molybdate nanocrystals: Microstructural, optical and gas-sensing properties. *Journal of Alloys and Compounds*, **2021**, 857, 157562	5.7	3
29	Effect of temperature on ultrasonic spray pyrolysis method in zinc tungstate: The relationship between structural and optical properties. *Materials Chemistry and Physics*, **2021**, 258, 123991	4.4	1
28	Stabilization of the Ag2WO4 metastable pure phase by coprecipitation method using polyvinylpyrrolidone as surfactant: Photocatalytic property. *Ceramics International*, **2020**, 46, 14864-14871	5.1	6
27	Photoluminescent properties of Sm3+ and Tb3+ codoped CaWO4 nanoparticles obtained by a one-step sonochemical method. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 13261-13272	2.1	2
26	Disclosing the Structural, Electronic, Magnetic, and Morphological Properties of CuMnO2: A Unified Experimental and Theoretical Approach. *Journal of Physical Chemistry C*, **2020**, 124, 5378-5388	3.8	16
25	Preparation of Laser-Modified Ti-15Mo Surfaces With Multiphase Calcium Phosphate Coatings. *Materials Research*, **2020**, 23,	1.5	1
24	Development of ZnO/PDMS nanocomposite with photocatalytic/hydrophobic multifunction. *Chemical Physics Letters*, **2020**, 740, 137051	2.5	9
23	Synthesis and characterization of Ag+ and Zn2+ co-doped CaWO4 nanoparticles by a fast and facile sonochemical method. *Journal of Alloys and Compounds*, **2020**, 823, 153617	5.7	16
22	Structure, electronic properties, morphology evolution, and photocatalytic activity in PbMoO and PbCaSrMoO (= 0.1, 0.2, 0.3, 0.4 and 0.5) solid solutions. *Physical Chemistry Chemical Physics*, **2020**, 22, 25876-25891	3.6	8
21	Atomistic Perspective on the Intrinsic White-Light Photoluminescence of Rare-Earth Free MgMoO4 Nanoparticles. *Crystal Growth and Design*, **2020**, 20, 6592-6603	3.5	7
20	Spray pyrolysis synthesis and characterization of Mg1-xSrxMoO4 heterostructure with white light emission. *Journal of Alloys and Compounds*, **2020**, 813, 152235	5.7	9
19	Influence of Zn1-xCaxWO4 heterostructures synthesized by spray pyrolysis on photoluminescence property. *Ceramics International*, **2019**, 45, 23256-23264	5.1	9
18	Understanding the White-Emitting CaMoO4 Co-Doped Eu3+, Tb3+, and Tm3+ Phosphor through Experiment and Computation. *Journal of Physical Chemistry C*, **2019**, 123, 18536-18550	3.8	27
17	Structure, morphology and photoluminescence emissions of ZnMoO4: RE 3+=Tb3+ - Tm3+ - X Eu3+ (x 1, 1.5, 2, 2.5 and 3 mol%) particles obtained by the sonochemical method. *Journal of Alloys and Compounds*, **2018**, 750, 55-70	5.7	26
16	Photoluminescent properties of the Ba1ZnxMoO4 heterostructure obtained by ultrasonic spray pyrolysis. *Ceramics International*, **2018**, 44, 3775-3786	5.1	24
15	Experimental and theoretical study to explain the morphology of CaMoO 4 crystals. *Journal of Physics and Chemistry of Solids*, **2018**, 114, 141-152	3.9	31

14	CaSnO 3 obtained by modified Pechini method applied in the photocatalytic degradation of an azo dye. *Ceramica*, **2017**, 63, 536-541	1	17
13	White photoluminescence emission from ZrO2 co-doped with Eu3+, Tb3+ and Tm3+. *Journal of Alloys and Compounds*, **2016**, 674, 245-251	5.7	39
12	Enhancement of the photocatalytic activity and white emission of CaIn2O4 nanocrystals. *Journal of Alloys and Compounds*, **2016**, 658, 316-323	5.7	11
11	A Combined Experimental and Theoretical Study on the Formation of Ag Filaments on Ag2MoO4 Induced by Electron Irradiation. *Particle and Particle Systems Characterization*, **2015**, 32, 646-651	3.1	41
10	Effect of different starting materials on the synthesis of Ba0.8Ca0.2TiO3. *Journal of Advanced Ceramics*, **2015**, 4, 65-70	10.7	5
9	Synthesis of potassium niobates by the microwave-assisted solvothermal method. *IOP Conference Series: Materials Science and Engineering*, **2015**, 97, 012001	0.4	1
8	Effect of polyvinyl alcohol on the shape, photoluminescence and photocatalytic properties of PbMoO4 microcrystals. *Materials Science in Semiconductor Processing*, **2014**, 26, 425-430	4.3	20
7	Structural refinement, growth mechanism, infrared/Raman spectroscopies and photoluminescence properties of PbMoO4 crystals. *Polyhedron*, **2013**, 50, 532-545	2.7	57
6	Toward Understanding the Photocatalytic Activity of PbMoO4 Powders with Predominant (111), (100), (011), and (110) Facets. A Combined Experimental and Theoretical Study. *Journal of Physical Chemistry C*, **2013**, 117, 21382-21395	3.8	69
5	Cluster coordination and photoluminescence properties of Ag2WO4 microcrystals. *Inorganic Chemistry*, **2012**, 51, 10675-87	5.1	143
4	Electronic structure and optical properties of BaMoO4 powders. *Current Applied Physics*, **2010**, 10, 614-624	2.6	130
3	Growth mechanism of octahedron-like BaMoO4 microcrystals processed in microwave-hydrothermal: Experimental observations and computational modeling. *Particuology*, **2009**, 7, 353-362	2.8	70
2	Preparation and characterization of ceria nanospheres by microwave-hydrothermal method. *Materials Letters*, **2008**, 62, 4509-4511	3.3	172
1	BaMoO4 powders processed in domestic microwave-hydrothermal: Synthesis, characterization and photoluminescence at room temperature. *Journal of Physics and Chemistry of Solids*, **2008**, 69, 2674-2680	3.9	90