

Thales R Machado

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

21
papers

240
citations

10
h-index

15
g-index

23
ext. papers

305
ext. citations

5
avg, IF

2.93
L-index

#	Paper	IF	Citations
21	Interface matters: Design of an efficient $\text{Ag}_2\text{WO}_4/\text{Ag}_3\text{PO}_4$ photocatalyst. <i>Materials Chemistry and Physics</i> , 2022 , 280, 125710	4.4	0
20	Amorphous calcium phosphate nanoparticles allow fingerprint detection via self-activated luminescence. <i>Chemical Engineering Journal</i> , 2022 , 443, 136443	14.7	0
19	Structural, morphological and photoluminescence properties of Ag_2MoO_4 doped with Eu^{3+} . <i>Chemical Papers</i> , 2021 , 75, 1869-1882	1.9	3
18	Enhanced photocatalytic and antifungal activity of hydroxyapatite/ AgVO_3 composites. <i>Materials Chemistry and Physics</i> , 2020 , 252, 123294	4.4	7
17	Rational Design of W-Doped AgPO as an Efficient Antibacterial Agent and Photocatalyst for Organic Pollutant Degradation. <i>ACS Omega</i> , 2020 , 5, 23808-23821	3.9	6
16	In Situ Growth of Bi Nanoparticles on NaBiO_3 , Bi_2O_3 and Bi_2O_3 Surfaces: Electron Irradiation and Theoretical Insights. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 5023-5030	3.8	10
15	AgVO Decorated by Hydroxyapatite ($\text{Ca}(\text{PO})_2(\text{OH})$): Tuning Its Photoluminescence Emissions and Bactericidal Activity. <i>Inorganic Chemistry</i> , 2019 , 58, 5900-5913	5.1	9
14	Proof-of-Concept Studies Directed toward the Formation of Metallic Ag Nanostructures from Ag_3PO_4 Induced by Electron Beam and Femtosecond Laser. <i>Particle and Particle Systems Characterization</i> , 2019 , 36, 1800533	3.1	9
13	Connecting Theory with Experiment to Understand the Sintering Processes of Ag Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 11310-11318	3.8	8
12	Evidence for the formation of metallic In after laser irradiation of InP. <i>Journal of Applied Physics</i> , 2019 , 126, 025902	2.5	2
11	Designing biocompatible and multicolor fluorescent hydroxyapatite nanoparticles for cell-imaging applications. <i>Materials Today Chemistry</i> , 2019 , 14, 100211	6.2	7
10	Tailoring the Bactericidal Activity of Ag Nanoparticles/ AgWO_3 Composite Induced by Electron Beam and Femtosecond Laser Irradiation: Integration of Experiment and Computational Modeling.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 824-837	4.1	25
9	Influence of Cu substitution on the structural ordering, photocatalytic activity and photoluminescence emission of $\text{Ag}_3-2x\text{Cu}_x\text{PO}_4$ powders. <i>Applied Surface Science</i> , 2018 , 440, 61-72	6.7	17
8	Structural properties and self-activated photoluminescence emissions in hydroxyapatite with distinct particle shapes. <i>Ceramics International</i> , 2018 , 44, 236-245	5.1	21
7	Connecting structural, optical, and electronic properties and photocatalytic activity of $\text{Ag}_3\text{PO}_4:\text{Mo}$ complemented by DFT calculations. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 198-211	21.8	39
6	From Complex Inorganic Oxides to Ag-Bi Nanoalloy: Synthesis by Femtosecond Laser Irradiation. <i>ACS Omega</i> , 2018 , 3, 9880-9887	3.9	13
5	Laser/Electron Irradiation on Indium Phosphide (InP) Semiconductor: Promising Pathways to In Situ Formation of Indium Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800237	3.1	11

4	A novel approach to obtain highly intense self-activated photoluminescence emissions in hydroxyapatite nanoparticles. <i>Journal of Solid State Chemistry</i> , 2017 , 249, 64-69	3.3	16
3	Facile microwave-assisted hydrothermal synthesis of hexagonal sodium tungsten bronze and its high response to NO ₂ . <i>Materials Letters</i> , 2016 , 185, 197-200	3.3	10
2	Pigments based on Cr and Sb doped TiO ₂ prepared by microemulsion-mediated solvothermal synthesis for inkjet printing on ceramics. <i>Dyes and Pigments</i> , 2015 , 116, 106-113	4.6	26
1	Synthesis and Characterization of Nanostructured BaO Solutions: Application in Conservation of Wall Paintings. <i>Lecture Notes in Computer Science</i> , 2012 , 801-808	0.9	