

Thales R Machado

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Connecting structural, optical, and electronic properties and photocatalytic activity of Ag ₃ PO ₄ :Mo complemented by DFT calculations. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 198-211.	10.8	53
2	Structural properties and self-activated photoluminescence emissions in hydroxyapatite with distinct particle shapes. <i>Ceramics International</i> , 2018, 44, 236-245.	2.3	36
3	Tailoring the Bactericidal Activity of Ag Nanoparticles/ β -Ag ₂ WO ₄ 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.	2.3	30
4	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.	2.0	28
5	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.	1.4	24
6	Influence of Cu substitution on the structural ordering, photocatalytic activity and photoluminescence emission of Ag ₂ CuPO ₄ powders. <i>Applied Surface Science</i> , 2018, 440, 61-72.	3.1	24
7	β -AgVO ₃ Decorated by Hydroxyapatite (Ca ₁₀ (PO ₄) ₆ (OH) ₂): Tuning Its Photoluminescence Emissions and Bactericidal Activity. <i>Inorganic Chemistry</i> , 2019, 58, 5900-5913.	1.9	22
8	From Complex Inorganic Oxides to Ag@Bi Nanoalloy: Synthesis by Femtosecond Laser Irradiation. <i>ACS Omega</i> , 2018, 3, 9880-9887.	1.6	19
9	Connecting Theory with Experiment to Understand the Sintering Processes of Ag Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11310-11318.	1.5	16
10	In Situ Growth of Bi Nanoparticles on NaBiO ₃ , β -, and β -Bi ₂ O ₃ Surfaces: Electron Irradiation and Theoretical Insights. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5023-5030.	1.5	14
11	Designing biocompatible and multicolor fluorescent hydroxyapatite nanoparticles for cell-imaging applications. <i>Materials Today Chemistry</i> , 2019, 14, 100211.	1.7	14
12	Rational Design of W-Doped Ag ₃ PO ₄ as an Efficient Antibacterial Agent and Photocatalyst for Organic Pollutant Degradation. <i>ACS Omega</i> , 2020, 5, 23808-23821.	1.6	14
13	Enhanced photocatalytic and antifungal activity of hydroxyapatite/ β -AgVO ₃ composites. <i>Materials Chemistry and Physics</i> , 2020, 252, 123294.	2.0	14
14	Structural, morphological and photoluminescence properties of β -Ag ₂ MoO ₄ doped with Eu ³⁺ . <i>Chemical Papers</i> , 2021, 75, 1869-1882.	1.0	14
15	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.	1.3	13
16	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.	1.2	12
17	Proof-of-Concept Studies Directed toward the Formation of Metallic Ag Nanostructures from Ag ₃ PO ₄ Induced by Electron Beam and Femtosecond Laser. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800533.	1.2	10
18	Connecting morphology and photoluminescence emissions in β -Ag ₂ MoO ₄ microcrystals. <i>Ceramics International</i> , 2022, 48, 3740-3750.	2.3	9

#	ARTICLE	IF	CITATIONS
19	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.	2.0	7
20	Evidence for the formation of metallic In after laser irradiation of InP. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	4
21	Amorphous calcium phosphate nanoparticles allow fingerprint detection via self-activated luminescence. <i>Chemical Engineering Journal</i> , 2022, 443, 136443.	6.6	3
22	Synthesis and Characterization of Nanostructured BaO Solutions: Application in Conservation of Wall Paintings. <i>Lecture Notes in Computer Science</i> , 2012, , 801-808.	1.0	1
23	High photocatalytic activity of $\text{Ag}/\text{Ag}_3\text{PO}_4:\text{W}$ heterostructure formed by femtosecond laser irradiation. <i>Eletica Quimica</i> , 2022, 47, 20-27.	0.2	0