

# Thales R Machado

## List of Publications by Year in descending order

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23  
papers

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docs citations

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444  
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#	ARTICLE	IF	CITATIONS
1	Connecting structural, optical, and electronic properties and photocatalytic activity of Ag <sub>3</sub> PO <sub>4</sub> :Mo complemented by DFT calculations. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 198-211.	20.2	53
2	Structural properties and self-activated photoluminescence emissions in hydroxyapatite with distinct particle shapes. <i>Ceramics International</i> , 2018, 44, 236-245.	4.8	36
3	Tailoring the Bactericidal Activity of Ag Nanoparticles/ $\beta$ -Ag <sub>2</sub> WO <sub>4</sub> 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.	4.6	30
4	Pigments based on Cr and Sb doped TiO <sub>2</sub> prepared by microemulsion-mediated solvothermal synthesis for inkjet printing on ceramics. <i>Dyes and Pigments</i> , 2015, 116, 106-113.	3.7	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.	2.9	24
6	Influence of Cu substitution on the structural ordering, photocatalytic activity and photoluminescence emission of Ag Cu PO <sub>4</sub> powders. <i>Applied Surface Science</i> , 2018, 440, 61-72.	6.1	24
7	$\beta$ -AgVO <sub>3</sub> Decorated by Hydroxyapatite (Ca <sub>10</sub> (PO <sub>4</sub> ) <sub>6</sub> (OH) <sub>2</sub> ): Tuning Its Photoluminescence Emissions and Bactericidal Activity. <i>Inorganic Chemistry</i> , 2019, 58, 5900-5913.	4.0	22
8	From Complex Inorganic Oxides to Ag@Bi Nanoalloy: Synthesis by Femtosecond Laser Irradiation. <i>ACS Omega</i> , 2018, 3, 9880-9887.	3.5	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.	3.1	16
10	In Situ Growth of Bi Nanoparticles on NaBiO <sub>3</sub> , $\beta$ , and $\beta$ -Bi <sub>2</sub> O <sub>3</sub> Surfaces: Electron Irradiation and Theoretical Insights. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5023-5030.	3.1	14
11	Designing biocompatible and multicolor fluorescent hydroxyapatite nanoparticles for cell-imaging applications. <i>Materials Today Chemistry</i> , 2019, 14, 100211.	3.5	14
12	Rational Design of W-Doped Ag <sub>3</sub> PO <sub>4</sub> as an Efficient Antibacterial Agent and Photocatalyst for Organic Pollutant Degradation. <i>ACS Omega</i> , 2020, 5, 23808-23821.	3.5	14
13	Enhanced photocatalytic and antifungal activity of hydroxyapatite/ $\beta$ -AgVO <sub>3</sub> composites. <i>Materials Chemistry and Physics</i> , 2020, 252, 123294.	4.0	14
14	Structural, morphological and photoluminescence properties of $\beta$ -Ag <sub>2</sub> MoO <sub>4</sub> doped with Eu <sup>3+</sup> . <i>Chemical Papers</i> , 2021, 75, 1869-1882.	2.2	14
15	Facile microwave-assisted hydrothermal synthesis of hexagonal sodium tungsten bronze and its high response to NO <sub>2</sub> . <i>Materials Letters</i> , 2016, 185, 197-200.	2.6	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.	2.3	12
17	Proof-of-Concept Studies Directed toward the Formation of Metallic Ag Nanostructures from Ag <sub>3</sub> PO <sub>4</sub> Induced by Electron Beam and Femtosecond Laser. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800533.	2.3	10
18	Connecting morphology and photoluminescence emissions in $\beta$ -Ag <sub>2</sub> MoO <sub>4</sub> microcrystals. <i>Ceramics International</i> , 2022, 48, 3740-3750.	4.8	9

#	ARTICLE	IF	CITATIONS
19	Interface matters: Design of an efficient $\text{In}^{3+}$ -Ag <sub>2</sub> WO <sub>4</sub> /Ag <sub>3</sub> PO <sub>4</sub> photocatalyst. Materials Chemistry and Physics, 2022, 280, 125710.	4.0	7
20	Evidence for the formation of metallic In after laser irradiation of InP. Journal of Applied Physics, 2019, 126, .	2.5	4
21	Amorphous calcium phosphate nanoparticles allow fingerprint detection via self-activated luminescence. Chemical Engineering Journal, 2022, 443, 136443.	12.7	3
22	Synthesis and Characterization of Nanostructured BaO Solutions: Application in Conservation of Wall Paintings. Lecture Notes in Computer Science, 2012, , 801-808.	1.3	1
23	High photocatalytic activity of Ag/Ag <sub>3</sub> PO <sub>4</sub> :W heterostructure formed by femtosecond laser irradiation. Ecletica Quimica, 2022, 47, 20-27.	0.5	0