

# Mas Silva

## List of Publications by Year in descending order

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57  
papers

753  
citations

623734

14  
h-index

580821

25  
g-index

58  
all docs

58  
docs citations

58  
times ranked

738  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the preparation method on the morphological and electrochemical properties of Ti/IrO <sub>2</sub> -coated electrodes. <i>Electrochimica Acta</i> , 2000, 45, 4467-4473.	5.2	134
2	Study of the structural, dielectric and magnetic properties of Bi <sub>2</sub> O <sub>3</sub> and PbO addition on BiFeO <sub>3</sub> ceramic matrix. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 1329-1336.	4.0	67
3	An alternative method for the measurement of the microwave temperature coefficient of resonant frequency ( $\tau_{f}$ ). <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	44
4	Novel magnetic-dielectric composite ceramic obtained from Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> and CaTiO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2015, 644, 763-769.	5.5	39
5	Temperature-, power-, and concentration-dependent two and three photon upconversion in Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped lanthanum ortho-niobate phosphors. <i>RSC Advances</i> , 2016, 6, 68160-68169.	3.6	34
6	Effects of CaTiO <sub>3</sub> addition on the microwave dielectric properties and antenna properties of BiVO <sub>4</sub> ceramics. <i>Composites Part B: Engineering</i> , 2019, 175, 107122.	12.0	25
7	Dielectric investigation of the Sr <sub>3</sub> WO <sub>6</sub> double perovskite at RF/microwave frequencies. <i>RSC Advances</i> , 2016, 6, 42502-42509.	3.6	22
8	Properties of the Sr <sub>3</sub> MoO <sub>6</sub> electroceramic for RF/microwave devices. <i>Journal of Alloys and Compounds</i> , 2018, 748, 766-773.	5.5	22
9	A Study of the Dielectric Properties of Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> Composite in the Microwave and RF Regions. <i>Journal of Electronic Materials</i> , 2015, 44, 4220-4226.	2.2	21
10	Dielectric and microwave properties of common sintering aids for the manufacture of thermally stable ceramics. <i>Ceramics International</i> , 2019, 45, 20446-20450.	4.8	19
11	Up-conversion emission of Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped BaBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> (BBN) phosphors. <i>Journal of Luminescence</i> , 2017, 183, 102-107.	3.1	18
12	Magneto-dielectric composite based on Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> -CaTiO <sub>3</sub> for radio frequency and microwave applications. <i>Journal of Alloys and Compounds</i> , 2019, 783, 652-661.	5.5	17
13	Radiofrequency and microwave properties study of the electroceramic BaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014, 182, 37-44.	3.5	16
14	Dielectrical and structural studies of composite matrix BiVO <sub>4</sub> -CaTiO <sub>3</sub> and temperature effects by impedance spectroscopy. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 16248-16258.	2.2	16
15	Study of the structural and dielectric properties of Bi <sub>2</sub> O <sub>3</sub> and PbO addition on BiNbO <sub>4</sub> ceramic matrix for RF applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 978-987.	2.2	11
16	Dielectric Properties of Ca <sub>0.7</sub> Bi <sub>0.3</sub> Ti <sub>0.7</sub> Cr <sub>0.3</sub> O <sub>3</sub> (CBTC)-CaCu <sub>3</sub> Ti <sub>4</sub> O <sub>12</sub> (CCTO) Composite. <i>Journal of Electronic Materials</i> , 2015, 44, 295-302.	2.2	11
17	Circularly polarized quarter-cylinder-shaped dielectric resonator antenna using a single probe feed. <i>Microwave and Optical Technology Letters</i> , 2015, 57, 722-726.	1.4	11
18	Dielectric characterization of BiVO <sub>4</sub> -TiO <sub>2</sub> composites and applications in microwave range. <i>Journal of Alloys and Compounds</i> , 2019, 775, 889-895.	5.5	11

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19	New magnetic nanobiocomposite based in galactomannan/glycerol and superparamagnetic nanoparticles. <i>Materials Chemistry and Physics</i> , 2015, 156, 113-120.	4.0	10
20	Design and simulation of $\text{Na}_2\text{Nb}_4\text{O}_{11}$ dielectric resonator antenna added with $\text{Bi}_2\text{O}_3$ for microwave applications. <i>Microwave and Optical Technology Letters</i> , 2016, 58, 1211-1217.	1.4	10
21	Dielectric Study in the Microwave Range for Ceramic Composites Based on $\text{Sr}_2\text{CoNbO}_6$ and $\text{TiO}_2$ Mixtures. <i>Journal of Electronic Materials</i> , 2017, 46, 5193-5200.	2.2	10
22	From Magneto-Dielectric Biocomposite Films to Microstrip Antenna Devices. <i>Journal of Composites Science</i> , 2020, 4, 144.	3.0	10
23	High thermal stability and colossal permittivity of novel solid solution $\text{LaFeO}_3/\text{CaTiO}_3$ . <i>Materials Chemistry and Physics</i> , 2021, 257, 123239.	4.0	10
24	Experimental and numerical investigation of dielectric resonator antenna based on the $\text{BiFeO}_3$ ceramic matrix added with $\text{Bi}_2\text{O}_3$ or $\text{PbO}$ . <i>Journal of Alloys and Compounds</i> , 2013, 576, 324-331.	5.5	9
25	Microwave dielectric properties study of $(\text{Al}_2\text{O}_3)_{1-x}(\text{Nb}_2\text{O}_5)_x$ system. <i>Microwave and Optical Technology Letters</i> , 2016, 58, 1473-1479.	1.4	9
26	High thermal stability OF $\text{Li}_2\text{TiO}_3\text{-Al}_2\text{O}_3$ composite in the microwave C-Band. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 125, 51-56.	4.0	9
27	High dielectric permittivity in the microwave region of $\text{SrBi}_2\text{Nb}_2\text{O}_9$ (SBN) added $\text{La}_2\text{O}_3$ , $\text{PbO}$ and $\text{Bi}_2\text{O}_3$ , obtained by mechanical alloying. <i>Physica Scripta</i> , 2012, 86, 025701.	2.5	8
28	Study of the performance of dielectric resonator antennas based on the matrix composite of $\text{Al}_2\text{O}_3$ and $\text{CaTiO}_3$ . <i>Microwave and Optical Technology Letters</i> , 2015, 57, 963-969.	1.4	8
29	Dielectric Resonator Antennas with Frequency Stability Under Severe Temperature Variations Based on $\text{Li}_2\text{MgTi}_3\text{O}_8$ Ceramic Matrix Added with $\text{Bi}_2\text{O}_3$ . <i>Journal of Electronic Materials</i> , 2018, 47, 7272-7280.	2.2	8
30	Structural and dielectric behaviour analysis of $\text{TiO}_2$ addition on the ceramic matrix $\text{BiVO}_4$ . <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14557-14566.	2.2	8
31	A study of the dielectric and electrical properties of the matrix composite $[\text{Ba}_2\text{CoNbO}_6 (\text{BCNO})_{1-x} \text{CaTiO}_3 (\text{CTO})_x]$ . <i>Materials Research Bulletin</i> , 2019, 113, 169-174.	5.2	8
32	Structural properties of $\text{CaTi}_{1-x}(\text{Nb}_{2/3}\text{Li}_{1/3})_x\text{O}_3$ (CNLTO) and $\text{CaTi}_{1-x}(\text{Nb}_{1/2}\text{Ln}_{1/2})_x\text{O}_3$ (Ln=Fe (CNFTO), Bi) <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1409-1414.	2.7	7
33	Experimental and numerical investigation of a magnetic resonator antenna based on the $\text{Ba}_x\text{Sr}_{1-x}\text{Fe}_{12}\text{O}_{19}$ hexaferrite. <i>Microwave and Optical Technology Letters</i> , 2010, 52, 452-458.	1.4	7
34	Study of the performance of dielectric resonator antennas based on the matrix $\text{BiREWO}_6$ [RE = Gd, Y, Nd]. <i>Microwave and Optical Technology Letters</i> , 2012, 54, 18-23.	1.4	7
35	Identification of giant dielectric permittivity in the $\text{BiVO}_4$ . <i>Materials Letters</i> , 2017, 205, 67-69.	2.6	7
36	Magneto Tuning of a Ferrite Dielectric Resonator Antenna Based on $\text{LiFe}_5\text{O}_8$ Matrix. <i>Journal of Electronic Materials</i> , 2018, 47, 3829-3835.	2.2	7

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37	Magneto-dielectric properties studies of the matrix composite [SrFe <sub>12</sub> O <sub>19</sub> (SFO) <sub>1-x</sub> BiFeO <sub>3</sub> (BFO) <sub>x</sub> ]. Journal of Alloys and Compounds, 2018, 735, 2111-2118.	5.5	7
38	Effect of V <sub>2</sub> O <sub>5</sub> addition on the structural and electrical properties of CoTiO <sub>3</sub> . Composites Part B: Engineering, 2019, 176, 107286.	12.0	6
39	Communication—Detection of Giant Dielectric Constant in Strontium Orthovanadate Sr <sub>3</sub> V <sub>2</sub> O <sub>8</sub> . ECS Journal of Solid State Science and Technology, 2017, 6, N213-N215.	1.8	5
40	High thermal stability of the YNbO <sub>4</sub> ~ CaYTiNbO <sub>7</sub> composites for radio frequency and microwave applications. Materials Chemistry and Physics, 2021, 271, 124956.	4.0	5
41	Effect of Bi <sub>2</sub> O <sub>3</sub> ~ B <sub>2</sub> O <sub>3</sub> as a sintering aid in microstructure and dielectric properties of Fe <sub>2</sub> Mo <sub>3</sub> O <sub>12</sub> electroceramic. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	5
42	High dielectric permittivity and low loss of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> with PbO and V <sub>2</sub> O <sub>5</sub> additions for RF and microwave applications. Journal of Materials Science: Materials in Electronics, 2013, 24, 3467-3473.	2.2	4
43	High-bandwidth microwave dielectric resonator antennas from BiVO <sub>4</sub> /ZnO composites. Journal of the Australian Ceramic Society, 2021, 57, 369-377.	1.9	4
44	Influence of the addition of CaTiO <sub>3</sub> on the microwave dielectric properties of the BaMoO <sub>4</sub> matrix. Materials Chemistry and Physics, 2022, 289, 126478.	4.0	4
45	Investigation on luminescence based optical temperature sensing behavior of Sr <sub>3</sub> MoO <sub>6</sub> :Eu <sup>3+</sup> /Tb <sup>3+</sup> . Optik, 2021, 246, 167825.	2.9	3
46	Effects of TiO <sub>2</sub> Addition on the Radio-Frequency Properties of the Sr <sub>2</sub> CoNbO <sub>6</sub> Matrix. Journal of Electronic Materials, 2020, 49, 2211-2221.	2.2	2
47	Enhancing the electrical properties of Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> (BiT) matrix by special alloying and sintering. Journal of Materials Science: Materials in Electronics, 2020, 31, 22265-22273.	2.2	2
48	Effect of (Pr-Yb) Co-doping on the Luminescence and Dielectric Behaviour of LaNbO <sub>4</sub> Ceramic. Journal of Electronic Materials, 2020, 49, 6016-6023.	2.2	2
49	High thermal stability of RF dielectric properties of BiVO <sub>4</sub> matrix with added ZnO. Journal of Materials Science: Materials in Electronics, 2020, 31, 13078-13087.	2.2	2
50	Microwave Dielectric Properties of Ba <sub>5</sub> Li <sub>2</sub> W <sub>3</sub> O <sub>15</sub> Ceramic with Excess Lithium for Dielectric Resonator Antenna Application. Journal of Electronic Materials, 0, , 1.	2.2	2
51	RF and Microwave Electrical Properties Study of the Magneto-Dielectric Resonator Antenna of the Matrix Composite [SrFe <sub>12</sub> O <sub>19</sub> (SFO) <sub>1-x</sub> BiFeO <sub>3</sub> (BFO) <sub>x</sub> ]. Journal of Electronic Materials, 2018, 47, 6144-6152.	2.2	1
52	Dielectric properties of bismuth layer structured ferroelectric Bi <sub>3</sub> R <sub>2</sub> Ti <sub>3</sub> FeO <sub>15</sub> (R = Bi, Gd, and Nd) at microwave and radiofrequency. Journal of Materials Science: Materials in Electronics, 2021, 32, 18628-18643.	2.2	1
53	Magneto Tuning of a Dual-Frequency Magneto-Dielectric Resonator Antenna Based on YIG Matrix. , 2019, , .		1
54	Compact triple-band PIFA with high bandwidth and gain for multiple mobile services. Microwave and Optical Technology Letters, 2016, 58, 2961-2965.	1.4	0

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55	Study of the structural and dielectric properties of ceramic obtained from residual electrocoagulation. <i>Advances in Applied Ceramics</i> , 2018, 117, 395-405.	1.1	0
56	Impedance spectroscopy analysis of an FeNbO <sub>4</sub> matrix with different additions of TiO <sub>2</sub> and the effects of temperature variation. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 5936-5944.	2.2	0
57	Impedance and Mössbauer spectroscopy study of BiCu <sub>3</sub> Ti <sub>3</sub> FeO <sub>12</sub> dielectric matrix. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 11607-11615.	2.2	0