

Mas Silva

List of Publications by Year in descending order

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57
papers

753
citations

623734

14
h-index

580821

25
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58
all docs

58
docs citations

58
times ranked

738
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Bi ₂ O ₃ –B ₂ O ₃ as a sintering aid in microstructure and dielectric properties of Fe ₂ Mo ₃ O ₁₂ electroceramic. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	5
2	Influence of the addition of CaTiO ₃ on the microwave dielectric properties of the BaMoO ₄ matrix. Materials Chemistry and Physics, 2022, 289, 126478.	4.0	4
3	High thermal stability and colossal permittivity of novel solid solution LaFeO ₃ /CaTiO ₃ . Materials Chemistry and Physics, 2021, 257, 123239.	4.0	10
4	Impedance spectroscopy analysis of an FeNbO ₄ matrix with different additions of TiO ₂ and the effects of temperature variation. Journal of Materials Science: Materials in Electronics, 2021, 32, 5936-5944.	2.2	0
5	Impedance and M ⁺ ssbauer spectroscopy study of BiCu ₃ Ti ₃ FeO ₁₂ dielectric matrix. Journal of Materials Science: Materials in Electronics, 2021, 32, 11607-11615.	2.2	0
6	Dielectric properties of bismuth layer structured ferroelectric Bi ₃ R ₂ Ti ₃ FeO ₁₅ (R = Bi, Gd, and Nd) at microwave and radiofrequency. Journal of Materials Science: Materials in Electronics, 2021, 32, 18628-18643.	2.2	1
7	High thermal stability of the YNbO ₄ – CaYTiNbO ₇ composites for radio frequency and microwave applications. Materials Chemistry and Physics, 2021, 271, 124956.	4.0	5
8	Investigation on luminescence based optical temperature sensing behavior of Sr ₃ MoO ₆ :Eu ³⁺ /Tb ³⁺ . Optik, 2021, 246, 167825.	2.9	3
9	High-bandwidth microwave dielectric resonator antennas from BiVO ₄ /ZnO composites. Journal of the Australian Ceramic Society, 2021, 57, 369-377.	1.9	4
10	Effects of TiO ₂ Addition on the Radio-Frequency Properties of the Sr ₂ CoNbO ₆ Matrix. Journal of Electronic Materials, 2020, 49, 2211-2221.	2.2	2
11	From Magneto-Dielectric Biocomposite Films to Microstrip Antenna Devices. Journal of Composites Science, 2020, 4, 144.	3.0	10
12	Enhancing the electrical properties of Bi ₄ Ti ₃ O ₁₂ (BiT) matrix by special alloying and sintering. Journal of Materials Science: Materials in Electronics, 2020, 31, 22265-22273.	2.2	2
13	Effect of (Pr-Yb) Co-doping on the Luminescence and Dielectric Behaviour of LaNbO ₄ Ceramic. Journal of Electronic Materials, 2020, 49, 6016-6023.	2.2	2
14	High thermal stability of RF dielectric properties of BiVO ₄ matrix with added ZnO. Journal of Materials Science: Materials in Electronics, 2020, 31, 13078-13087.	2.2	2
15	Dielectric and microwave properties of common sintering aids for the manufacture of thermally stable ceramics. Ceramics International, 2019, 45, 20446-20450.	4.8	19
16	Effects of CaTiO ₃ addition on the microwave dielectric properties and antenna properties of BiVO ₄ ceramics. Composites Part B: Engineering, 2019, 175, 107122.	12.0	25
17	Effect of V ₂ O ₅ addition on the structural and electrical properties of CoTiO ₃ . Composites Part B: Engineering, 2019, 176, 107286.	12.0	6
18	A study of the dielectric and electrical properties of the matrix composite [Ba ₂ CoNbO ₆ (BCNO) _{1-X} - CaTiO ₃ (CTO) _X]. Materials Research Bulletin, 2019, 113, 169-174.	5.2	8

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19	Magneto-dielectric composite based on Y ₃ Fe ₅ O ₁₂ / CaTiO ₃ for radio frequency and microwave applications. Journal of Alloys and Compounds, 2019, 783, 652-661.	5.5	17
20	Dielectric characterization of BiVO ₄ -TiO ₂ composites and applications in microwave range. Journal of Alloys and Compounds, 2019, 775, 889-895.	5.5	11
21	High thermal stability OF Li ₂ TiO ₃ -Al ₂ O ₃ composite in the microwave C-Band. Journal of Physics and Chemistry of Solids, 2019, 125, 51-56.	4.0	9
22	Magneto Tuning of a Dual-Frequency Magneto-Dielectric Resonator Antenna Based on YIG Matrix. , 2019, , .		1
23	Magneto Tuning of a Ferrite Dielectric Resonator Antenna Based on LiFe ₅ O ₈ Matrix. Journal of Electronic Materials, 2018, 47, 3829-3835.	2.2	7
24	Magneto-dielectric properties studies of the matrix composite [SrFe ₁₂ O ₁₉ (SFO) _{1-X} / BiFeO ₃ (BFO) _X]. Journal of Alloys and Compounds, 2018, 735, 2111-2118.	5.5	7
25	Properties of the Sr ₃ MoO ₆ electroceramic for RF/microwave devices. Journal of Alloys and Compounds, 2018, 748, 766-773.	5.5	22
26	Dielectric Resonator Antennas with Frequency Stability Under Severe Temperature Variations Based on Li ₂ MgTi ₃ O ₈ Ceramic Matrix Added with Bi ₂ O ₃ . Journal of Electronic Materials, 2018, 47, 7272-7280.	2.2	8
27	Study of the structural and dielectric properties of ceramic obtained from residual electrocoagulation. Advances in Applied Ceramics, 2018, 117, 395-405.	1.1	0
28	Dielectrical and structural studies of composite matrix BiVO ₄ / CaTiO ₃ and temperature effects by impedance spectroscopy. Journal of Materials Science: Materials in Electronics, 2018, 29, 16248-16258.	2.2	16
29	Structural and dielectric behaviour analysis of TiO ₂ addition on the ceramic matrix BiVO ₄ . Journal of Materials Science: Materials in Electronics, 2018, 29, 14557-14566.	2.2	8
30	RF and Microwave Electrical Properties Study of the Magneto-Dielectric Resonator Antenna of the Matrix Composite [SrFe ₁₂ O ₁₉ (SFO) _{1-x} / BiFeO ₃ (BFO) _x]. Journal of Electronic Materials, 2018, 47, 6144-6152.	2.2	1
31	Dielectric Study in the Microwave Range for Ceramic Composites Based on Sr ₂ CoNbO ₆ and TiO ₂ Mixtures. Journal of Electronic Materials, 2017, 46, 5193-5200.	2.2	10
32	Identification of giant dielectric permittivity in the BiVO ₄ . Materials Letters, 2017, 205, 67-69.	2.6	7
33	Communication / Detection of Giant Dielectric Constant in Strontium Orthovanadate Sr ₃ V ₂ O ₈ . ECS Journal of Solid State Science and Technology, 2017, 6, N213-N215.	1.8	5
34	Up-conversion emission of Er ³⁺ / Yb ³⁺ co-doped BaBi ₂ Nb ₂ O ₉ (BBN) phosphors. Journal of Luminescence, 2017, 183, 102-107.	3.1	18
35	Temperature-, power-, and concentration-dependent two and three photon upconversion in Er ³⁺ / Yb ³⁺ co-doped lanthanum ortho-niobate phosphors. RSC Advances, 2016, 6, 68160-68169.	3.6	34
36	Dielectric investigation of the Sr ₃ WO ₆ double perovskite at RF/microwave frequencies. RSC Advances, 2016, 6, 42502-42509.	3.6	22

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37	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
38	Microwave dielectric properties study of $(Al_{2}O_{3})_{x}(Nb_{2}O_{5})_{1-x}$ system. Microwave and Optical Technology Letters, 2016, 58, 1473-1479.	1.4	9
39	Design and simulation of $Na_{2}Nb_{4}O_{11}$ dielectric resonator antenna added with $Bi_{2}O_{3}$ for microwave applications. Microwave and Optical Technology Letters, 2016, 58, 1211-1217.	1.4	10
40	Study of the performance of dielectric resonator antennas based on the matrix composite of $Al_{2}O_{3}$ and $CaTiO_{3}$. Microwave and Optical Technology Letters, 2015, 57, 963-969.	1.4	8
41	Novel magnetic dielectric composite ceramic obtained from $Y_{3}Fe_{5}O_{12}$ and $CaTiO_{3}$. Journal of Alloys and Compounds, 2015, 644, 763-769.	5.5	39
42	Dielectric Properties of $Ca_{0.7}Bi_{0.3}Ti_{0.7}Cr_{0.3}O_{3}$ (CBTC) and $CaCu_{3}Ti_{4}O_{12}$ (CCTO) Composite. Journal of Electronic Materials, 2015, 44, 295-302.	2.2	11
43	Circularly polarized quarter-cylinder-shaped dielectric resonator antenna using a single probe feed. Microwave and Optical Technology Letters, 2015, 57, 722-726.	1.4	11
44	New magnetic nanobiocomposite based in galactomannan/glycerol and superparamagnetic nanoparticles. Materials Chemistry and Physics, 2015, 156, 113-120.	4.0	10
45	A Study of the Dielectric Properties of $Al_{2}O_{3}$ - TiO_{2} Composite in the Microwave and RF Regions. Journal of Electronic Materials, 2015, 44, 4220-4226.	2.2	21
46	Radiofrequency and microwave properties study of the electroceramic $BaBi_{4}Ti_{4}O_{15}$. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2014, 182, 37-44.	3.5	16
47	High dielectric permittivity and low loss of $SrBi_{4}Ti_{4}O_{15}$ with PbO and $V_{2}O_{5}$ additions for RF and microwave applications. Journal of Materials Science: Materials in Electronics, 2013, 24, 3467-3473.	2.2	4
48	Experimental and numerical investigation of dielectric resonator antenna based on the $BiFeO_{3}$ ceramic matrix added with $Bi_{2}O_{3}$ or PbO . Journal of Alloys and Compounds, 2013, 576, 324-331.	5.5	9
49	An alternative method for the measurement of the microwave temperature coefficient of resonant frequency (τ_{f}). Journal of Applied Physics, 2012, 112, .	2.5	44
50	High dielectric permittivity in the microwave region of $SrBi_{2}Nb_{2}O_{9}$ (SBN) added $La_{2}O_{3}$, PbO and $Bi_{2}O_{3}$, obtained by mechanical alloying. Physica Scripta, 2012, 86, 025701.	2.5	8
51	Study of the performance of dielectric resonator antennas based on the matrix $BiREWO_{6}$ [RE = Gd, Y, Nd]. Microwave and Optical Technology Letters, 2012, 54, 18-23.	1.4	7
52	Study of the structural and dielectric properties of $Bi_{2}O_{3}$ and PbO addition on $BiNbO_{4}$ ceramic matrix for RF applications. Journal of Materials Science: Materials in Electronics, 2011, 22, 978-987.	2.2	11
53	Study of the structural, dielectric and magnetic properties of $Bi_{2}O_{3}$ and PbO addition on $BiFeO_{3}$ ceramic matrix. Journal of Physics and Chemistry of Solids, 2010, 71, 1329-1336.	4.0	67
54	Experimental and numerical investigation of a magnetic resonator antenna based on the Mn -type hexaferrite ($Ba_{x}Sr_{1-x}Fe_{12}O_{19}$). Microwave and Optical Technology Letters, 2010, 52, 452-458.	1.4	7

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55	Structural properties of $\text{CaTi}_{1-x}(\text{Nb}_{2/3}\text{Li}_{1/3})\text{O}_3$ (CNLTO) and $\text{CaTi}_{1-x}(\text{Nb}_{1/2}\text{Ln}_{1/2})\text{O}_3$ (Ln=Fe (CNFTO), Bi) <i>Tj ETQq1</i> 1 0.784 404, 1409-1414.	2.7	7
56	Influence of the preparation method on the morphological and electrochemical properties of Ti/IrO ₂ -coated electrodes. <i>Electrochimica Acta</i> , 2000, 45, 4467-4473.	5.2	134
57	Microwave Dielectric Properties of Ba ₅ Li ₂ W ₃ O ₁₅ Ceramic with Excess Lithium for Dielectric Resonator Antenna Application. <i>Journal of Electronic Materials</i> , 0, , 1.	2.2	2