

# Carla dos Santos Riccardi

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

859  
citations

535685

17  
h-index

536525

29  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1170  
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-Free DNA Detection Based on Modified Conducting Polypyrrole Films at Microelectrodes. <i>Analytical Chemistry</i> , 2006, 78, 1139-1145.	3.2	70
2	Label-Free DNA Detection of Hepatitis C Virus Based on Modified Conducting Polypyrrole Films at Microelectrodes and Atomic Force Microscopy Tip-Integrated Electrodes. <i>Analytical Chemistry</i> , 2008, 80, 237-245.	3.2	69
3	Rietveld analysis and electrical properties of lanthanum doped BiFeO <sub>3</sub> ceramics. <i>Materials Chemistry and Physics</i> , 2009, 116, 305-309.	2.0	69
4	Piezoelectric biosensors for real-time monitoring of hybridization and detection of hepatitis C virus. <i>Journal of Virological Methods</i> , 2004, 117, 145-151.	1.0	64
5	Soft chemical deposition of BiFeO <sub>3</sub> multiferroic thin films. <i>Applied Physics Letters</i> , 2007, 90, 052906.	1.5	63
6	Ferroelectric characteristics of BiFeO <sub>3</sub> thin films prepared via a simple chemical solution deposition. <i>Journal of Applied Physics</i> , 2007, 101, 074108.	1.1	57
7	Urea-Based Synthesis of Zinc Oxide Nanostructures at Low Temperature. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	1.5	53
8	Immobilization of streptavidin in sol-gel films: Application on the diagnosis of hepatitis C virus. <i>Talanta</i> , 2006, 70, 637-643.	2.9	47
9	Fatigue-free behavior of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> thin films grown on several bottom electrodes by the polymeric precursor method. <i>Applied Physics Letters</i> , 2004, 85, 5962-5964.	1.5	36
10	Diagnostic tests for hepatitis C: Recent trends in electrochemical immunosensor and genosensor analysis. <i>World Journal of Gastroenterology</i> , 2014, 20, 15476.	1.4	30
11	Ferroelectric fatigue endurance of Bi <sub>4-x</sub> La <sub>x</sub> Ti <sub>3</sub> O <sub>12</sub> thin films explained in terms of x-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2007, 101, 084112.	1.1	25
12	High Curie point CaBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> thin films: A potential candidate for lead-free thin-film piezoelectrics. <i>Journal of Applied Physics</i> , 2006, 100, 074110.	1.1	22
13	Surface physical chemistry properties in coated bacterial cellulose membranes with calcium phosphate. <i>Materials Science and Engineering C</i> , 2017, 75, 1359-1365.	3.8	22
14	Retention characteristics in Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> thin films prepared by the polymeric precursor method. <i>Applied Physics Letters</i> , 2005, 86, 112909.	1.5	21
15	Surface-modified ZnSe waveguides for label-free infrared attenuated total reflection detection of DNA hybridization. <i>Analyst</i> , 2011, 136, 4906.	1.7	20
16	Nature of defects for bismuth layered thin films grown on Pt electrodes. <i>Applied Physics Letters</i> , 2007, 90, 082910.	1.5	19
17	Ferroelectric and Dielectric Properties of Lanthanum-Modified Bismuth Titanate Thin Films Obtained by the Polymeric Precursor Method. <i>Journal of Electroceramics</i> , 2004, 13, 65-70.	0.8	18
18	Ferroelectric properties and leakage current characteristics of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> thin films prepared by the polymeric precursor method. <i>Journal of Applied Physics</i> , 2005, 98, 114103.	1.1	18

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19	Effect of Magnesium on the Properties of LiNbO <sub>3</sub> Thin Films Prepared from Polymeric Precursors. <i>Integrated Ferroelectrics</i> , 2002, 43, 123-135.	0.3	14
20	Piezoelectric behavior of SrRuO <sub>3</sub> buffered lanthanum modified bismuth ferrite thin films grown by chemical method. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	14
21	Physically Modified Bacterial Cellulose Biocomposites for Guided Tissue Regeneration. <i>Science of Advanced Materials</i> , 2015, 7, 1657-1664.	0.1	13
22	Electrogravimetric Real-Time and in Situ Michaelis-Menten Enzymatic Kinetics: Progress Curve of Acetylcholinesterase Hydrolysis. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16605-16610.	1.2	12
23	Calcium phosphates of biological importance based coatings deposited on Ti-15Mo alloy modified by laser beam irradiation for dental and orthopedic applications. <i>Ceramics International</i> , 2018, 44, 22432-22438.	2.3	12
24	Bacterial cellulose for advanced medical materials. , 2016, , 57-82.		10
25	Electrical Characterization of Lanthanum-Modified Bismuth Titanate Thin Films Obtained by the Polymeric Precursor Method. <i>Integrated Ferroelectrics</i> , 2004, 60, 21-31.	0.3	8
26	Optimization of an amperometric biosensor for the detection of hepatitis C virus using fractional factorial designs. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 782-787.	0.6	8
27	Bacterial Cellulose Nanobiocomposites for Periodontal Disease. <i>Journal of Bionanoscience</i> , 2014, 8, 319-324.	0.4	7
28	Sol-gel based calcium phosphates coatings deposited on binary Ti-Mo alloys modified by laser beam irradiation for biomaterial/clinical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2018, 29, 82.	1.7	6
29	Dielectric Spectroscopy Analyses of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> Films Obtained from Soft Chemical Solution. <i>Advances in Materials Science and Engineering</i> , 2009, 2009, 1-6.	1.0	5
30	Effect of Magnesium on the Properties of LiNbO <sub>3</sub> Thin Films Prepared from Polymeric Precursors. , 0, .		5
31	Physically Modified Bacterial Cellulose Biocomposites for Dental Materials Scaffolds. <i>Materials Focus</i> , 2015, 4, 111-117.	0.4	5
32	Quartz crystal microbalance as a tool for kinetic enzymatic assays by variation of pH. <i>Analytical Biochemistry</i> , 2011, 418, 152-154.	1.1	4
33	Biomimetic calcium phosphates-based coatings deposited on binary Ti-Mo alloys modified by laser beam irradiation for biomaterial/clinical applications. <i>MRS Advances</i> , 2018, 3, 1711-1718.	0.5	4
34	Outdoor environment management through air enthalpy analysis. <i>International Journal of Biometeorology</i> , 2019, 63, 1525-1532.	1.3	3
35	Estudo do comportamento eletroquímico da enzima peroxidase na presença de peróxido de hidrogênio e ácido 5-aminossalicílico. <i>Eclética Química</i> , 2008, 33, 57-62.	0.2	3
36	Retention Characteristics of CBTi144 Thin Films Explained by Means of X-Ray Photoemission Spectroscopy. <i>Advances in Materials Science and Engineering</i> , 2010, 2010, 1-7.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Preparation of Laser-Modified Ti-15Mo Surfaces With Multiphase Calcium Phosphate Coatings. <i>Materials Research</i> , 2020, 23, .	0.6	1
38	The Influence of the Heat Treatment Temperatures in Calcium Phosphate Synthesis. <i>Journal of Biomaterials and Tissue Engineering</i> , 2014, 4, 744-748.	0.0	1
39	Influence of Temperature on the Microstructure and Electrical Properties of BBT Thin Films. <i>Integrated Ferroelectrics</i> , 2003, 51, 103-112.	0.3	0
40	Oriented growth of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> thin films on RuO <sub>2</sub> /SiO <sub>2</sub> /Si substrates by using the polymeric precursor method: Structural, microstructural and electrical properties. <i>Journal of Electroceramics</i> , 2007, 18, 39-43.	0.8	0
41	Estudo do comportamento eletroquímico da enzima peroxidase na presença de peróxido de hidrogênio e ácido 5-aminossalicílico. <i>Ecletica Química</i> , 0, 33, 57.	0.2	0