

Costa, J P C

List of Publications by Year in descending order

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449
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#	ARTICLE	IF	CITATIONS
1	Electrochemical immunosensor based on ZnO nanorods-Au nanoparticles nanohybrids for ovarian cancer antigen CA-125 detection. <i>Materials Science and Engineering C</i> , 2017, 76, 1240-1247.	7.3	88
2	Ag Nanoparticles/AgX (X=Cl, Br and I) Composites with Enhanced Photocatalytic Activity and Low Toxicological Effects. <i>ChemistrySelect</i> , 2020, 5, 4655-4673.	1.5	29
3	Portable Laboratory Platform With Electrochemical Biosensors for Immunodiagnostic of Hepatitis C Virus. <i>IEEE Sensors Journal</i> , 2019, 19, 10701-10709.	4.7	23
4	$\hat{1}\pm$ - and $\hat{1}^2$ -AgVO ₃ polymorphs as photoluminescent materials: An example of temperature-driven synthesis. <i>Ceramics International</i> , 2018, 44, 5939-5944.	4.8	21
5	Surface-dependent photocatalytic and biological activities of Ag ₂ CrO ₄ : Integration of experiment and simulation. <i>Applied Surface Science</i> , 2021, 545, 148964.	6.1	18
6	Increased photocatalytic activity induced by TiO ₂ /Pt/SnO ₂ heterostructured films. <i>Solid State Sciences</i> , 2018, 76, 65-73.	3.2	16
7	Electrophoretic deposition of (Zn, Nb)SnO ₂ -films varistor superficially modified with Cr ³⁺ . <i>Journal of the European Ceramic Society</i> , 2015, 35, 2083-2089.	5.7	15
8	In Situ Growth of Bi Nanoparticles on NaBiO ₃ , $\hat{1}\pm$, and $\hat{1}^2$ -Bi ₂ O ₃ Surfaces: Electron Irradiation and Theoretical Insights. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5023-5030.	3.1	14
9	ZnO nanorods-gold nanoparticle-based biosensor for detecting hepatitis C. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	12
10	Revealing the Nature of Defects in $\hat{1}\pm$ -Ag ₂ WO ₄ by Positron Annihilation Lifetime Spectroscopy: A Joint Experimental and Theoretical Study. <i>Crystal Growth and Design</i> , 2021, 21, 1093-1102.	3.0	11
11	Potential Barrier of (Zn,Nb)SnO ₂ -Films Induced by Microwave Thermal Diffusion of Cr ³⁺ for Low-Voltage Varistor. <i>Journal of the American Ceramic Society</i> , 2016, 99, 152-157.	3.8	9
12	Electron beam irradiation for the formation of thick Ag film on Ag ₃ PO ₄ . <i>RSC Advances</i> , 2020, 10, 21745-21753.	3.6	9
13	In situ Formation of Metal Nanoparticles through Electron Beam Irradiation: Modeling Real Materials from First-Principles Calculations. <i>Journal of Material Science & Engineering</i> , 2018, 07, .	0.2	8
14	Photovoltaic Sub-Module With Optical Sensor for Angular Measurements of Incident Light. <i>IEEE Sensors Journal</i> , 2019, 19, 3111-3120.	4.7	6
15	A scalable electron beam irradiation platform applied for allotropic carbon transformation. <i>Carbon</i> , 2021, 174, 567-580.	10.3	6
16	Optical Filters for Narrow Band Light Adaptation on Imaging Devices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-8.	2.9	5
17	A biopotential amplifier in CMOS for neural recording on optogenetics applications. , 2017, , .		2
18	New Approaches to Preparation of SnO ₂ -Based Varistors – Chemical Synthesis, Dopants, and Microwave Sintering. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
19	CMOS developments for photonic modules on endoscopic capsules. , 2017, , .		1
20	Optical CMOS sensor for angular measurements with readout electronics. , 2017, , .		1
21	A RF mixer using 0.7 μ m CMOS for intra-corporal communication devices. , 2017, , .		1
22	Electrical Properties at Grain Boundaries Influenced by Cr ³⁺ Diffusion in SnO ₂ .ZnO.Nb ₂ O ₅ -Films Varistor Prepared by Electrophoresis Deposition. Materials Research Society Symposia Proceedings, 2014, 1675, 197-202.	0.1	0
23	Optical filters for narrow-band imaging on medical devices. , 2017, , .		0
24	AUMENTO DA ATIVIDADE FOTOCATALÍTICA INDUZIDA POR FILMES HETEROESTRUTURADOS DE TiO ₂ /Pt/SnO ₂ . , 0, , 13-30.		0