

William Chiappim

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

362
citations

840585

11
h-index

794469

19
g-index

28
all docs

28
docs citations

28
times ranked

439
citing authors

#	ARTICLE	IF	CITATIONS
1	The status and perspectives of nanostructured materials and fabrication processes for wearable piezoresistive sensors. <i>Microsystem Technologies</i> , 2022, 28, 1561-1580.	1.2	12
2	Applications of Plasma-Activated Water in Dentistry: A Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4131.	1.8	16
3	Antimicrobial properties of SiC nanostructures and coatings. , 2022, , 309-335.		1
4	Atomic layer deposition of materials for solar water splitting. , 2021, , 363-380.		1
5	Effect of Plasma-Enhanced Atomic Layer Deposition on Oxygen Overabundance and Its Influence on the Morphological, Optical, Structural, and Mechanical Properties of Al-Doped TiO ₂ Coating. <i>Micromachines</i> , 2021, 12, 588.	1.4	9
6	Antimicrobial Effect of Plasma-Activated Tap Water on Staphylococcus aureus, Escherichia coli, and Candida albicans. <i>Water (Switzerland)</i> , 2021, 13, 1480.	1.2	24
7	Nebulized plasma-activated water has an effective antimicrobial effect on medically relevant microbial species and maintains its physicochemical properties in tube lengths from 0.1 up to 1.0 m. <i>Plasma Processes and Polymers</i> , 2021, 18, 2100010.	1.6	9
8	Novel dielectrics compounds grown by atomic layer deposition as sustainable materials for chalcogenides thin-films photovoltaics technologies. , 2021, , 71-100.		2
9	Physicochemical Studies on the Surface of Polyamide 6.6 Fabrics Functionalized by DBD Plasmas Operated at Atmospheric and Sub-Atmospheric Pressures. <i>Polymers</i> , 2020, 12, 2128.	2.0	9
10	Atomic layer deposition of TiO ₂ and Al ₂ O ₃ thin films for the electrochemical study of corrosion protection in aluminum alloy cans used in beverage. <i>Materials Research Express</i> , 2020, 7, 076408.	0.8	13
11	Front passivation of Cu(In,Ga)Se ₂ solar cells using Al ₂ O ₃ : Culprits and benefits. <i>Applied Materials Today</i> , 2020, 21, 100867.	2.3	28
12	An Experimental and Theoretical Study of the Impact of the Precursor Pulse Time on the Growth Per Cycle and Crystallinity Quality of TiO ₂ Thin Films Grown by ALD and PEALD Technique. <i>Frontiers in Mechanical Engineering</i> , 2020, 6, .	0.8	11
13	Microwave Synthesis of Silver Sulfide and Silver Nanoparticles: Light and Time Influence. <i>ACS Omega</i> , 2020, 5, 12877-12881.	1.6	11
14	MOS Capacitance Measurements for PEALD TiO ₂ Dielectric Films Grown under Different Conditions and the Impact of Al ₂ O ₃ Partial-Monolayer Insertion. <i>Nanomaterials</i> , 2020, 10, 338.	1.9	13
15	Bifacial Tandem Solar Panels with MOS Cells on the Backside for Applications in Deserts. , 2019, , .		1
16	MOS solar cells for indoor LED energy harvesting: influence of the grating geometry and the thickness of the gate dielectrics. , 2019, , .		2
17	Fabrication and Electrical Characterization of MOS Solar Cells for Energy Harvesting. , 2018, , .		5
18	On the influence of conductor, semiconductor and insulating substrate on the structure of atomic layer deposited titanium dioxide thin films. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	Exploring the Properties and Fuel Cell Applications of Ultrathin Atomic Layer Deposited Metal Oxide Films. , 2018, , 83-114.		8
20	Influence of the Al ₂ O ₃ partial-monolayer number on the crystallization mechanism of TiO ₂ in ALD TiO ₂ /Al ₂ O ₃ nanolaminates and its impact on the material properties. Journal Physics D: Applied Physics, 2016, 49, 375301.	1.3	31
21	Relationships among growth mechanism, structure and morphology of PEALD TiO ₂ films: the influence of O ₂ plasma power, precursor chemistry and plasma exposure mode. Nanotechnology, 2016, 27, 305701.	1.3	35
22	Effect of Process Temperature and Reaction Cycle Number on Atomic Layer Deposition of TiO ₂ Thin Films Using TiCl ₄ and H ₂ O Precursors: Correlation Between Material Properties and Process Environment. Brazilian Journal of Physics, 2016, 46, 56-69.	0.7	36
23	Structural, morphological, and optical properties of TiO ₂ thin films grown by atomic layer deposition on fluorine doped tin oxide conductive glass. Vacuum, 2016, 123, 91-102.	1.6	45
24	Effect of substrate type on structure of TiO ₂ thin film deposited by atomic layer deposition technique. Journal of Integrated Circuits and Systems, 2015, 10, 38-42.	0.3	15
25	Synthesis of anatase and rutile phases of TiO ₂ by atomic layer deposition: Substrate effect. , 2014, , .		1
26	Structure of Hydrophobic Ambient-Pressure-Dried Aerogels Prepared by Sonohydrolysis of Tetraethoxysilane with Additions of <i>N,N</i> -Dimethylformamide. Langmuir, 2014, 30, 1151-1159.	1.6	15
27	Dynamic Scaling and Growth Kinetics of 3-Glycidoxypropyltrimethoxysilane-Derived Organic/Silica Hybrids. Macromolecules, 2011, 44, 6849-6855.	2.2	4
28	Structure and aggregation kinetics of vinyltriethoxysilane-derived organic/silica hybrids. Journal of Applied Crystallography, 2010, 43, 1005-1011.	1.9	4