

Sergio Perero

List of Publications by Year in descending order

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27
papers

863
citations

516215

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h-index

580395

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27
docs citations

27
times ranked

1181
citing authors

#	ARTICLE	IF	CITATIONS
1	Virucidal effect against coronavirus SARS-CoV-2 of a silver nanocluster/silica composite sputtered coating. <i>Open Ceramics</i> , 2020, 1, 100006.	1.0	166
2	Biomaterials for orbital implants and ocular prostheses: Overview and future prospects. <i>Acta Biomaterialia</i> , 2014, 10, 1064-1087.	4.1	87
3	Antimicrobial functionalization of cotton fabric with silver nanoclusters/silica composite coating via RF co-sputtering technique. <i>Cellulose</i> , 2017, 24, 2331-2345.	2.4	75
4	Antibacterial and Bioactive Coatings Based on Radio Frequency Co-Sputtering of Silver Nanocluster-Silica Coatings on PEEK/Bioactive Glass Layers Obtained by Electrophoretic Deposition. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32489-32497.	4.0	58
5	Silver nanocluster-silica composite coatings with antibacterial properties. <i>Materials Chemistry and Physics</i> , 2010, 120, 123-126.	2.0	50
6	Antibacterial coating on polymer for space application. <i>Materials Chemistry and Physics</i> , 2012, 135, 714-722.	2.0	46
7	Structural, optical and magnetic properties of Fe ₃ O ₄ sputtered TeO ₂ -PbO-B ₂ O ₃ and PbO-Bi ₂ O ₃ -B ₂ O ₃ glasses for sensing applications. <i>Journal of Non-Crystalline Solids</i> , 2015, 408, 43-50.	1.5	39
8	Yttria-stabilized zirconia thin film electrolyte produced by RF sputtering for solid oxide fuel cell applications. <i>Materials Letters</i> , 2010, 64, 2450-2453.	1.3	38
9	Antibacterial, highly hydrophobic and semi transparent Ag/plasma polymer nanocomposite coating on cotton fabric obtained by plasma based co-deposition. <i>Cellulose</i> , 2019, 26, 8877-8894.	2.4	34
10	Characterization of antibacterial silver nanocluster/silica composite coating on high performance Kevlar® textile. <i>Surface and Coatings Technology</i> , 2017, 321, 438-447.	2.2	32
11	Chemical, Mechanical, and Antibacterial Properties of Silver Nanocluster-Silica Composite Coatings Obtained by Sputtering. <i>Advanced Engineering Materials</i> , 2010, 12, B276.	1.6	31
12	Novel antibacterial ocular prostheses: Proof of concept and physico-chemical characterization. <i>Materials Science and Engineering C</i> , 2016, 60, 467-474.	3.8	29
13	Silver nanocluster-silica composite antibacterial coatings for materials to be used in mobile telephones. <i>Applied Surface Science</i> , 2014, 313, 107-115.	3.1	26
14	Biocompatibility versus peritoneal mesothelial cells of polypropylene prostheses for hernia repair, coated with a thin silica/silver layer. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 1586-1593.	1.6	23
15	Antibacterial nanostructured composite coating on high performance Vectran®, fabric for aerospace structures. <i>Surface and Coatings Technology</i> , 2019, 373, 47-55.	2.2	19
16	Ferromagnetic Resonance and Microwave Behavior of ASn-Substituted (A _x Ni _{1-x} Co-Zn) BaM-Hexaferrites. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 2636-2638.	1.2	18
17	Polypropylene prostheses coated with silver nanoclusters/silica coating obtained by sputtering: Biocompatibility and antibacterial properties. <i>Surface and Coatings Technology</i> , 2017, 319, 326-334.	2.2	18
18	Multifunctional stratified composite coatings by electrophoretic deposition and RF co-sputtering for orthopaedic implants. <i>Journal of Materials Science</i> , 2021, 56, 7920-7935.	1.7	17

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19	Generation of cytocompatible superhydrophobic Zrâ€“Cuâ€“Ag metallic glass coatings with antifouling properties for medical textiles. <i>Materials Today Bio</i> , 2021, 12, 100148.	2.6	15
20	Antibacterial inorganic coatings on metallic surfaces for temporary fixation devices. <i>Applied Surface Science</i> , 2020, 508, 144707.	3.1	11
21	Structure, ferromagnetic resonance, and permeability of nanogranular Feâ€“Coâ€“Bâ€“Ni films. <i>Journal of Applied Physics</i> , 2006, 99, 08M303.	1.1	9
22	Surface Activation and Characterization of Aluminum Alloys for Brazing Optimization. <i>Coatings</i> , 2019, 9, 459.	1.2	8
23	Silver Nanocluster/Silica Composite Coatings Obtained by Sputtering for Antibacterial Applications. <i>Engineering Materials</i> , 2013, , 225-247.	0.3	4
24	Antibacterial Nanocoatings for Ocular Applications. <i>Advances in Science and Technology</i> , 0, , .	0.2	3
25	A plasma pre-treatment to improve adhesion on SiC and Si3N4 ceramics. <i>Materials Letters</i> , 2020, 272, 127855.	1.3	3
26	Smart and composite inorganic coatings obtained by sputtering. , 2016, , 33-60.		2
27	Brazing of Mo to Glidcop Dispersion Strengthened Copper for Accelerating Structures. <i>Materials</i> , 2018, 11, 1658.	1.3	2