

Facundo Ruiz

List of Publications by Year in descending order

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Version: 2024-02-01

76
papers

4,302
citations

201674

27
h-index

106344

65
g-index

76
all docs

76
docs citations

76
times ranked

7060
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic analysis of an <i>Enterococcus faecalis</i> mutant generated against the exposure to silver nanoparticles. <i>Journal of Applied Microbiology</i> , 2022, 132, 244-255.	3.1	3
2	LONG-TERM field study of a Waterborne paint with a nano-additive for biodeterioration control. <i>Journal of Building Engineering</i> , 2022, 50, 104148.	3.4	0
3	Waterborne Antifouling Paints Containing Nanometric Copper and Silver against Marine Bacillus Species. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-14.	4.1	4
4	Recycling of copper-adsorbed titanate nanotubes (TNTs) for photocatalytic hydrogen production. <i>Separation Science and Technology</i> , 2021, 56, 1672-1686.	2.5	1
5	Reusability in visible light of titanate nanotubes for the removal of organic pollutants: role of calcination temperature. <i>Environmental Technology (United Kingdom)</i> , 2021, , 1-18.	2.2	1
6	Effect of surface characteristics on the antibacterial properties of titanium dioxide nanotubes produced in aqueous electrolytes with carboxymethyl cellulose. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 104-121.	4.0	10
7	Effective control of biofilms by photothermal therapy using a gold nanorod hydrogel. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 333-342.	3.4	16
8	Therapeutic Use of Silver Nanoparticles in the Prevention and Arrest of Dental Caries. <i>Bioinorganic Chemistry and Applications</i> , 2020, 2020, 1-7.	4.1	19
9	Effect of synthesis variables on the characteristics of magnesium hydroxide nanoparticles and evaluation of the fluorescence of functionalised Mg(OH) ₂ nanoparticles. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 025008.	1.5	8
10	Regeneration of titanate nanotubes by <i>Aspergillus niger</i> and <i>Penicillium</i> sp. under static conditions. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 986-995.	3.0	0
11	Atmospheric Corrosion, Antibacterial Properties, and Toxicity of Silver Nanoparticles Synthesized by Two Different Routes. <i>Bioinorganic Chemistry and Applications</i> , 2020, 2020, 1-14.	4.1	2
12	Detection of Genes Related to Resistance to Silver Nanoparticles in Bacteria from Secondary Endodontic Infections. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-7.	2.7	5
13	Mechanisms of Resistance to Silver Nanoparticles in Endodontic Bacteria: A Literature Review. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-11.	2.7	40
14	Light absorption properties of mesoporous barium hexaferrite, BaFe ₁₂ O ₁₉ . <i>Materials Letters</i> , 2019, 252, 239-243.	2.6	18
15	Molecular Mechanisms of Bacterial Resistance to Metal and Metal Oxide Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2808.	4.1	196
16	Promotional effect of metal doping on nanostructured TiO ₂ during the photocatalytic degradation of 4-chlorophenol and naproxen sodium as pollutants. <i>Materials Science in Semiconductor Processing</i> , 2019, 100, 130-139.	4.0	38
17	H ₂ Ti ₃ O ₇ titanate nanotubes for highly effective adsorption of basic fuchsin dye for water purification. <i>Microporous and Mesoporous Materials</i> , 2019, 276, 183-191.	4.4	38
18	A cost-effective method to prepare size-controlled nanoscale zero-valent iron for nitrate reduction. <i>Environmental Engineering Research</i> , 2019, 24, 463-473.	2.5	8

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19	Gold Nanoparticle: Enhanced CO Oxidation at Low Temperatures by Using Fe-Doped TiO ₂ as Support. <i>Catalysis Letters</i> , 2018, 148, 383-396.	2.6	18
20	Preparation of air stable nanoscale zero valent iron functionalized by ethylene glycol without inert condition. <i>Chemical Engineering Journal</i> , 2018, 336, 112-122.	12.7	38
21	Synthesis, characterization, and toxicity of hollow gold nanoshells. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	6
22	Cytotoxic and Bactericidal Effect of Silver Nanoparticles Obtained by Green Synthesis Method Using <i>Annona muricata</i> Aqueous Extract and Functionalized with 5-Fluorouracil. <i>Bioinorganic Chemistry and Applications</i> , 2018, 2018, 1-8.	4.1	17
23	Assessment of mezcal aging combining Raman spectroscopy and multivariate analysis techniques. <i>Biomedical Spectroscopy and Imaging</i> , 2017, 6, 75-81.	1.2	4
24	Antimicrobial Properties of Copper Nanoparticles and Amino Acid Chelated Copper Nanoparticles Produced by Using a Soya Extract. <i>Bioinorganic Chemistry and Applications</i> , 2017, 2017, 1-6.	4.1	75
25	Sodium Hypochlorite as Fluorotic Dentin Pretreatment of Two-Step Self-Etch Adhesive with Silver Nanoparticle: Atomic Force Microscope and Adhesive Microtensile Bond Strength Evaluation. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-14.	2.7	3
26	H ₂ Ti ₃ O ₇ Nanotubes Decorated with Silver Nanoparticles for Photocatalytic Degradation of Atenolol. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-11.	2.7	12
27	Effect of Silver Nanoparticle-Added Pit and Fissure Sealant in the Prevention of Dental Caries in Children. <i>Journal of Clinical Pediatric Dentistry</i> , 2017, 41, 48-52.	1.0	24
28	Effects of silver nanoparticles on the bonding of three adhesive systems to fluorotic enamel. <i>Dental Materials Journal</i> , 2017, 36, 266-274.	1.8	14
29	Facile Synthesis, Characterization, and Cytotoxic Activity of Europium-Doped Nanohydroxyapatite. <i>Bioinorganic Chemistry and Applications</i> , 2016, 2016, 1-10.	4.1	6
30	Green Synthesis of Silver Nanoparticles and Their Bactericidal and Antimycotic Activities against Oral Microbes. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-10.	2.7	28
31	Antimicrobial Properties of Biofunctionalized Silver Nanoparticles on Clinical Isolates of <i>Streptococcus mutans</i> and Its Serotypes. <i>Nanomaterials</i> , 2016, 6, 136.	4.1	29
32	Catalytic activity of the barium hexaferrite with H ₂ O ₂ /visible light irradiation for degradation of Methylene Blue. <i>Catalysis Today</i> , 2016, 266, 110-119.	4.4	66
33	Bovine Serum Albumin and Chitosan Coated Silver Nanoparticles and Its Antimicrobial Activity against Oral and Nonoral Bacteria. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	2.7	24
34	Evaluation of the antibacterial activity of an indoor waterborne architectural coating containing Ag/TiO ₂ under different relative humidity environments. <i>Materials Letters</i> , 2014, 134, 103-106.	2.6	19
35	Toxicity, distribution, and accumulation of silver nanoparticles in Wistar rats. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	59
36	Anti-biofilm activity of silver nanoparticles against different microorganisms. <i>Biofouling</i> , 2013, 29, 651-660.	2.2	203

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37	Antimicrobial activity, cytotoxicity and inflammatory response of novel plastics embedded with silver nanoparticles. <i>Future Microbiology</i> , 2013, 8, 403-411.	2.0	14
38	Effectiveness of bonding resin-based composite to healthy and fluorotic enamel using total-etch and two self-etch adhesive systems. <i>Dental Materials Journal</i> , 2012, 31, 1021-1027.	1.8	15
39	Antimicrobial sensibility of <i>Streptococcus mutans</i> serotypes to silver nanoparticles. <i>Materials Science and Engineering C</i> , 2012, 32, 896-901.	7.3	31
40	Antibacterial activity, inflammatory response, coagulation and cytotoxicity effects of silver nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 328-336.	3.3	254
41	Synergistic Bactericidal Activity of Ag-TiO ₂ Nanoparticles in Both Light and Dark Conditions. <i>Environmental Science & Technology</i> , 2011, 45, 8989-8995.	10.0	161
42	In vitro Cytotoxicity of Silver Nanoparticles on Human Periodontal Fibroblasts. <i>Journal of Clinical Pediatric Dentistry</i> , 2011, 36, 37-42.	1.0	39
43	Aggregation Study of Ag-TiO ₂ Composites. <i>Materials Sciences and Applications</i> , 2011, 02, 1719-1723.	0.4	0
44	Bactericidal Capacity of Silver Nanoparticles Associated with Gantrez S-97 on <i>Streptococcus Mutans</i> . <i>Journal of Clinical Pediatric Dentistry</i> , 2010, 35, 183-185.	1.0	10
45	In vitro Determination of the Chromatic Effect of a Silver Nanoparticles Solution Linked to the Gantrez S-97 Copolymer on Tooth Enamel. <i>Journal of Clinical Pediatric Dentistry</i> , 2010, 35, 65-68.	1.0	9
46	Preparation and bactericide activity of gallic acid stabilized gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2741-2746.	1.9	52
47	Synthesis and characterization of nanostructured powders of Bi ₂ O ₃ , BiOCl and Bi. <i>Materials Letters</i> , 2010, 64, 1555-1558.	2.6	20
48	Synthesis, characterization, and evaluation of antimicrobial and cytotoxic effect of silver and titanium nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 681-688.	3.3	396
49	Atomic force microscopy observation of the enamel roughness and depth profile after phosphoric acid etching. <i>Journal of Electron Microscopy</i> , 2010, 59, 119-125.	0.9	23
50	Synthesis of silver particles with different sizes and morphologies. <i>Materials Letters</i> , 2009, 63, 1266-1268.	2.6	37
51	Antibacterial effect of silver nanoparticles against <i>Streptococcus mutans</i> . <i>Materials Letters</i> , 2009, 63, 2603-2606.	2.6	130
52	Synthesis and antibacterial activity of silver nanoparticles with different sizes. <i>Journal of Nanoparticle Research</i> , 2008, 10, 1343-1348.	1.9	909
53	The antimicrobial sensitivity of <i>Streptococcus mutans</i> to nanoparticles of silver, zinc oxide, and gold. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2008, 4, 237-240.	3.3	450
54	Grain size reduction effect of barium titanate embedded in silica xerogel. <i>Materials Letters</i> , 2008, 62, 2947-2949.	2.6	1

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55	Magnetic properties of magnetite nanoparticles synthesized by forced hydrolysis. <i>Materials Letters</i> , 2008, 62, 4248-4250.	2.6	61
56	Characterization of silver nanoparticles synthesized on titanium dioxide fine particles. <i>Nanotechnology</i> , 2008, 19, 065711.	2.6	107
57	Coesite Formation at Ambient Pressure and Low Temperatures. <i>Advances in Materials Science and Engineering</i> , 2008, 2008, 1-6.	1.8	6
58	Structural Effects of Heat-Treated Silica Xerogel Induced by Incorporation of Chlorophyll Species. <i>Research Letters in Materials Science</i> , 2007, 2007, 1-5.	0.2	5
59	Preparation of rough anatase films and the evaluation of their photocatalytic efficiencies. <i>Applied Catalysis B: Environmental</i> , 2007, 76, 264-274.	20.2	18
60	Synthesis and optical characterization of ZnS, ZnS:Mn and (ZnS:Mn)_CdS core-shell nanoparticles. <i>Inorganic Chemistry Communication</i> , 2007, 10, 531-534.	3.9	9
61	Four-membered rings family in the Si-O extended rocking IR band from quantum chemistry calculations. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 43, 65-72.	2.4	20
62	Feasibility for Non Invasive Estimation of Glucose Concentration in Newborns Using NIR Spectroscopy and PLS. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	1
63	Spectral characterization of chlorophyll fluorescence in extract of barley leaves embedded in silica xerogel matrix. <i>Journal of Sol-Gel Science and Technology</i> , 2006, 39, 223-227.	2.4	16
64	Rietveld refinement of amorphous SiO ₂ prepared via sol-gel method. <i>Materials Letters</i> , 2006, 60, 3526-3529.	2.6	143
65	Infrared and Raman spectra, conformational stability, ab initio calculations of structure, and vibrational assignment of α and β glucose. <i>Computational and Theoretical Chemistry</i> , 2005, 714, 143-146.	1.5	43
66	Structural Study of Silica Xerogel Composites Containing Pd Aggregates. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 35, 5-11.	2.4	4
67	Optical Absorption of Ag Particles Dispersed in a SiO ₂ Amorphous Matrix. <i>Journal of Sol-Gel Science and Technology</i> , 2005, 36, 137-145.	2.4	21
68	Characterization of silver sulfide nanoparticles synthesized by a simple precipitation method. <i>Materials Letters</i> , 2005, 59, 529-534.	2.6	46
69	Non-Invasive In-Vivo Blood Glucose Levels Prediction Using Near Infrared Spectroscopy. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	6
70	Formation of copper oxide films on fiberglass by adsorption and reaction of cuprous ions. <i>Thin Solid Films</i> , 2004, 460, 58-61.	1.8	23
71	Annealing Behavior of Silica Gel Powders Modified with Silver Crystalline Aggregates. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 27, 255-262.	2.4	14
72	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 27, 247-254.	2.4	10

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73	Cyclohexane oxidation over Cu ₂ O and CuO thin films deposited by CVD process on fiberglass. Applied Catalysis A: General, 2003, 238, 1-9.	4.3	36
74	Quantitative analysis of iron oxide particles embedded in an amorphous xerogel matrix. Journal of Non-Crystalline Solids, 2003, 325, 251-257.	3.1	20
75	Determination of the thermal conductivity of diamond-like nanocomposite films using a scanning thermal microscope. Applied Physics Letters, 1998, 73, 1802-1804.	3.3	89
76	GRAPHENE OXIDE AND REDUCED GRAPHENE OXIDE NANOCOMPOSITES GRAFTED WITH HOLLOW GOLD NANOSHELLS AS PHOTOTHERMAL AGENTS. Journal of Composite Materials, 0, , 002199832210739.	2.4	1