Emerson R Camargo

List of Publications by Year
in descending order

84 papers	2,735 citations	218677 26 h-index	197818 49 g-index
86 all docs	86 docs citations	86 times ranked	3624 citing authors

#	Article	IF	Citations
1	Conductive nanopaints: A remarkable coating. , 2022, , 429-449.		0
2	Novel pulp capping material based on sodium trimetaphosphate: synthesis, characterization, and antimicrobial properties. Journal of Applied Oral Science, 2022, 30, e20210483.	1.8	2
3	Effects of nano-sized sodium hexametaphosphate on the viability, metabolism, matrix composition, and structure of dual-species biofilms of Streptococcus mutans and Candida albicans. Biofouling, 2022, 38, 321-330.	2.2	4
4	Thermosensitive and Biocompatible Nanocomposites of Poly(N-vinylcaprolactam) and Hydroxyapatite with Potential Use for Bone Tissue Repair. BioNanoScience, 2022, 12, 766-773.	3.5	1
5	Probing the Structural Dynamics of the Coilâ€“Globule Transition of Thermosensitive Nanocomposite Hydrogels. Langmuir, 2021, 37, 1531-1541.	3.5	6
6	Analyzing the Effects of Silica Nanospheres on the Solâ€“Gel Transition Profile of Thermosensitive Hydrogels. Langmuir, 2021, 37, 7373-7379.	3.5	10
7	The potential of nanomaterials associated with plant growth-promoting bacteria in agriculture. 3 Biotech, 2021, 11, 318.	2.2	18
8	Fundamentals and Advances of the Oxidant Peroxo Method (OPM) for the Synthesis of Transition Metal Oxides. Engineering Materials, 2021, , 109-154.	0.6	0
9	Green and Chemical Silver Nanoparticles and Pomegranate Formulations to Heal Infected Wounds in Diabetic Rats. Antibiotics, 2021, 10, 1343.	3.7	4
10	Novel Colloidal Nanocarrier of Cetylpyridinium Chloride: Antifungal Activities on Candida Species and Cytotoxic Potential on Murine Fibroblasts. Journal of Fungi (Basel, Switzerland), 2020, 6, 218.	3.5	12
11	Stability of di-butyl-dichalcogenide-capped gold nanoparticles: experimental data and theoretical insights. RSC Advances, 2020, 10, 6259-6270.	3.6	11
12	Novel nanocarrier of miconazole based on chitosan-coated iron oxide nanoparticles as a nanotherapy to fight Candida biofilms. Colloids and Surfaces B: Biointerfaces, 2020, 192, 111080.	5.0	37
13	A new strategy to obtain nano-scale particles of lithium titanate (Li4Ti5O12) by the oxidant peroxo method (OPM). Ceramics International, 2019, 45, 23917-23923.	4.8	8
14	Incorporation of chlorhexidine and nano-sized sodium trimetaphosphate into a glass-ionomer cement: Effect on mechanical and microbiological properties and inhibition of enamel demineralization. Journal of Dentistry, 2019, 84, 81-88.	4.1	10
15	Silver and phosphate nanoparticles: Antimicrobial approach and caries prevention application. , 2019, , 225-242.		2
16	Antimicrobial Activity of Compounds Containing Silver Nanoparticles and Calcium Glycerophosphate in Combination with Tyrosol. Indian Journal of Microbiology, 2019, 59, 147-153.	2.7	9
17	In vivo toxicity and antimicrobial activity of AuPt bimetallic nanoparticles. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	17
18	Antibiofilm effect of chlorhexidine-carrier nanosystem based on iron oxide magnetic nanoparticles and chitosan. Colloids and Surfaces B: Biointerfaces, 2019, 174, 224-231.	5.0	42

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19	Effect of synthetic colloidal nanoparticles in acrylic resin of dental use. European Polymer Journal, 2019, 112, 531-538.	5.4	20
20	Anticaries effect of toothpaste with nano-sized sodium hexametaphosphate. Clinical Oral Investigations, 2019, 23, 3535-3542.	3.0	14
21	Effect of Fluoride Toothpaste Containing Nano-Sized Sodium Hexametaphosphate on Enamel Remineralization: An in situ Study. Caries Research, 2019, 53, 260-267.	2.0	15
22	Dentinal tubule obliteration using toothpastes containing sodium trimetaphosphate microparticles or nanoparticles. Clinical Oral Investigations, 2018, 22, 3021-3029.	3.0	23
23	Sodium trimetaphosphate and hexametaphosphate impregnated with silver nanoparticles: characteristics and antimicrobial efficacy. Biofouling, 2018, 34, 299-308.	2.2	15
24	Green synthesis of silver nanoparticles combined to calcium glycerophosphate: antimicrobial and antibiofilm activities. Future Microbiology, 2018, 13, 345-357.	2.0	21
25	Surface free energy of enamel treated with sodium hexametaphosphate, calcium and phosphate. Archives of Oral Biology, 2018, 90, 108-112.	1.8	27
26	Fluoride toothpastes containing micrometric or nano-sized sodium trimetaphosphate reduce enamel erosion in vitro. Acta Odontologica Scandinavica, 2018, 76, 119-124.	1.6	14
27	In situ effect of fluoride toothpaste supplemented with nano-sized sodium trimetaphosphate on enamel demineralization prevention and biofilm composition. Archives of Oral Biology, 2018, 96, 223-229.	1.8	23
28	New Approach of the Oxidant Peroxo Method (OPM) Route to Obtain Ti(OH)₄ Nanoparticles with High Photocatalytic Activity under Visible Radiation. International Journal of Photoenergy, 2018, 2018, 1-10.	2.5	14
29	Antimicrobial Potential and Cytotoxicity of Silver Nanoparticles Phytosynthesized by Pomegranate Peel Extract. Antibiotics, 2018, 7, 51.	3.7	23
30	Nanosynthesis of Silver-Calcium Glycerophosphate: Promising Association against Oral Pathogens. Antibiotics, 2018, 7, 52.	3.7	22
31	Thermosensitive poly(N-vinylcaprolactam) as a transmission light regulator in smart windows. Solar Energy Materials and Solar Cells, 2018, 186, 266-272.	6.2	49
32	Heterogeneous Microtubules of Self-assembled Silver and Gold Nanoparticles Using Alive Biotemplates. Materials Research, 2018, 21, .	1.3	4
33	<sup />Thermosensitive Poly(N-vinylcaprolactam) Injectable Hydrogels for Cartilage Tissue Engineering. Tissue Engineering - Part A, 2017, 23, 935-945.	3.1	51
34	Effect of the addition of nano-sized sodium hexametaphosphate to fluoride toothpastes on tooth demineralization: an in vitro study. Clinical Oral Investigations, 2017, 21, 1821-1827.	3.0	21
35	Effect of fluoride toothpaste with nano-sized trimetaphosphate on enamel demineralization: An in vitro study. Archives of Oral Biology, 2017, 78, 82-87.	1.8	22
36	Lanthanum-doped PZT synthesized by the oxidant peroxide method and sintered by conventional and microwave routes. Ceramics International, 2017, 43, 3004-3009.	4.8	8

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37	Nanostructured Assemblies of Gold and Silver Nanoparticles for Plasmon Enhanced Spectroscopy Using Living Biotemplates. Colloids and Interfaces, 2017, 1, 4.	2.1	8
38	InÂVitro and InÂVivo Toxicity Evaluation ofÂColloidal Silver Nanoparticles Used inÂEndodontic Treatments. Journal of Endodontics, 2016, 42, 953-960.	3.1	50
39	Kinetic Control of Microtubule Morphology Obtained by Assembling Gold Nanoparticles on Living Fungal Biotemplates. Bioconjugate Chemistry, 2016, 27, 2337-2345.	3.6	13
40	Enhanced reactivity of peroxo-modified surface of titanium dioxide nanoparticles used to synthesize ultrafine bismuth titanate powders at lower temperatures. Ceramics International, 2016, 42, 15767-15772.	4.8	12
41	Dielectric characterization of microwave sintered lead zirconate titanate ceramics. Ceramics International, 2016, 42, 14423-14430.	4.8	14
42	Dynamic and structural correlations in nanocomposites of silica with modified surface and carboxylated nitrile rubber. Journal of Colloid and Interface Science, 2016, 466, 247-253.	9.4	5
43	Silver Nanoparticles to Fight Candida Coinfection in the Oral Cavity. , 2015, , 283-295.		0
44	Visible-light photocatalysis with bismuth titanate (Bi12TiO20) particles synthesized by the oxidant peroxide method (OPM). Ceramics International, 2015, 41, 12073-12080.	4.8	41
45	Effect of lanthanum and lead doping on the microstructure and visible light photocatalysis of bismuth titanate prepared by the oxidant peroxide method (OPM). Journal of Photochemistry and Photobiology A: Chemistry, 2015, 312, 55-63.	3.9	14
46	Effect of toothpaste with nano-sized trimetaphosphate on dental caries: In situ study. Journal of Dentistry, 2015, 43, 806-813.	4.1	55
47	Susceptibility of Candida albicans and Candida glabrata biofilms to silver nanoparticles in intermediate and mature development phases. Journal of Prosthodontic Research, 2015, 59, 42-48.	2.8	50
48	The oxidant peroxo method (OPM) as a new alternative for the synthesis of lead-based and bismuth-based oxides. Journal of Materials Research, 2014, 29, 131-138.	2.6	20
49	Structure and photocatalytic properties of Nb-doped Bi12TiO20 prepared by the oxidant peroxide method (OPM). Journal of Nanoparticle Research, 2014, 16, 1.	1.9	15
50	Synthesis and photocatalytic properties of bismuth titanate with different structures via oxidant peroxo method (OPM). Journal of Colloid and Interface Science, 2014, 415, 89-94.	9.4	53
51	Adhesion of Candida biofilm cells to human epithelial cells and polystyrene after treatment with silver nanoparticles. Colloids and Surfaces B: Biointerfaces, 2014, 114, 410-412.	5.0	17
52	Evaluation of modified silica nanoparticles in carboxylated nitrile rubber nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 462, 45-51.	4.7	15
53	Silver colloidal nanoparticle stability: influence on Candida biofilms formed on denture acrylic. Medical Mycology, 2014, 52, 627-635.	0.7	22
54	Comparison of the nanoparticles performance in the photocatalytic degradation of a styreneâ€“butadiene rubber nanocomposite. Journal of Applied Polymer Science, 2013, 128, 2368-2374.	2.6	8

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55	The effect of silver nanoparticles and nystatin on mixed biofilms ofCandida glabrataandCandida albicanson acrylic. Medical Mycology, 2013, 51, 178-184.	0.7	72
56	Crystallization at room temperature from amorphous to trigonal selenium as a byproduct of the synthesis of water dispersible zinc selenide. Materials Letters, 2012, 87, 62-65.	2.6	24
57	Synthesis and optimization of colloidal silica nanoparticles and their functionalization with methacrylic acid. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 415, 209-217.	4.7	30
58	Silver Distribution and Release from an Antimicrobial Denture Base Resin Containing Silver Colloidal Nanoparticles. Journal of Prosthodontics, 2012, 21, 7-15.	3.7	135
59	Structural and dielectric characterization of praseodymium-modified lead titanate ceramics synthesized by the OPM route. Materials Chemistry and Physics, 2011, 130, 259-263.	4.0	8
60	Moderating effect of ammonia on particle growth and stability of quasi-monodisperse silver nanoparticles synthesized by the Turkevich method. Journal of Colloid and Interface Science, 2011, 360, 355-358.	9.4	89
61	Stable colloidal suspensions of nanostructured zirconium oxide synthesized by hydrothermal process. Journal of Nanoparticle Research, 2010, 12, 3105-3110.	1.9	38
62	Characterization of dense lead lanthanum titanate ceramics prepared from powders synthesized by the oxidant peroxo method. Materials Chemistry and Physics, 2010, 124, 1051-1056.	4.0	12
63	AntimonyâEDoped Tin Oxide Nanocrystals: Synthesis and Solubility Behavior in Organic Solvents. ChemPhysChem, 2009, 10, 841-846.	2.1	15
64	Nanocomposites of styreneâ€“butadiene rubber and synthetic anatase obtained by a colloidal route and their photooxidation. Journal of Applied Polymer Science, 2009, 113, 1898-1904.	2.6	5
65	NMR study of styrene-butadiene rubber (SBR) and TiO2 nanocomposites. Polymer Testing, 2009, 28, 490-494.	4.8	45
66	Nanosized lead lanthanum titanate (PLT) ceramic powders synthesized by the oxidant peroxo method. Journal of Alloys and Compounds, 2009, 475, 817-821.	5.5	14
67	Synthesis and characterization of lead zirconate titanate powders obtained by the oxidant peroxo method. Journal of Alloys and Compounds, 2009, 469, 523-528.	5.5	10
68	The growing importance of materials that prevent microbial adhesion: antimicrobial effect of medical devices containing silver. International Journal of Antimicrobial Agents, 2009, 34, 103-110.	2.5	665
69	Structural and electrical characterization of dense lead zirconate titanate ceramics synthesized by the oxidant-peroxo wet-chemical route. Journal of Applied Physics, 2004, 96, 2169-2172.	2.5	12
70	Phase evolution of lead titanate from its amorphous precursor synthesized by the OPM wet-chemical route. Journal of Solid State Chemistry, 2004, 177, 1994-2001.	2.9	33
71	Qualitative measurement of residual carbon in wet-chemically synthesized powders. Ceramics International, 2004, 30, 2235-2239.	4.8	14
72	Combined wet-chemical process to synthesize 65PMN-35PT nanosized powders. Journal of Alloys and Compounds, 2004, 372, 111-115.	5.5	21

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73	Electron microscopy studies on the formation and evolution of sodium niobate nanoparticles from a polymeric precursor. Catalysis Today, 2003, 78, 539-542.	4.4	23
74	Low temperature synthesis of lithium niobate powders based on water-soluble niobium malato complexes. Solid State Ionics, 2002, 151, 413-418.	2.7	60
75	Lead Hafnate (PbHfO₃) Perovskite Powders Synthesized by the Oxidant Peroxo Method. Journal of the American Ceramic Society, 2002, 85, 2107-2109.	3.8	20
76	Sodium Niobate (NaNbO3) Powders Synthesized by a Wet-Chemical Method Using a Water-Soluble Malic Acid Complex. Chemistry of Materials, 2002, 14, 2365-2368.	6.7	59
77	Low-temperature chemical synthesis of lead zirconate titanate (PZT) powders free from halides and organics. Journal of Materials Chemistry, 2001, 11, 1875-1879.	6.7	61
78	Pyrochlore-free Pb(Mg1/3Nb2/3)O3 prepared by a combination of the partial oxalate and the polymerized complex methods. Journal of Alloys and Compounds, 2001, 314, 140-146.	5.5	31
79	Chemical Synthesis of Lithium Niobate Powders (LiNbO3) Prepared from Water-Solubledl-Malic Acid Complexes. Chemistry of Materials, 2001, 13, 1905-1909.	6.7	50
80	Wet-Chemical Route for the Preparation of Lead Zirconate:Â An Amorphous Carbon- and Halide-Free Precursor Synthesized by the Hydrogen Peroxide Based Route. Chemistry of Materials, 2001, 13, 3943-3948.	6.7	25
81	Peroxide-Based Route Free from Halides for the Synthesis of Lead Titanate Powder. Chemistry of Materials, 2001, 13, 1181-1184.	6.7	57
82	Synthesis of Ultra-Fine Columbite Powder MgNb2O6 by the Polymerized Complex Method. Journal of Sol-Gel Science and Technology, 2000, 17, 111-121.	2.4	35
83	A novel aqueous solution route to the low-temperature synthesis of SrBi2Nb2O9 by use of water-soluble Bi and Nb complexes. Journal of Alloys and Compounds, 2000, 309, 113-117.	5.5	49
84	Dielectric properties of Na1â^'xLixNbO3 ceramics from powders obtained by chemical synthesis. Ceramics International, 1999, 25, 455-460.	4.8	31