

# Emerson R Camargo

## List of Publications by Year in descending order

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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	The growing importance of materials that prevent microbial adhesion: antimicrobial effect of medical devices containing silver. <i>International Journal of Antimicrobial Agents</i> , 2009, 34, 103-110.	2.5	665
2	Silver Distribution and Release from an Antimicrobial Denture Base Resin Containing Silver Colloidal Nanoparticles. <i>Journal of Prosthodontics</i> , 2012, 21, 7-15.	3.7	135
3	Moderating effect of ammonia on particle growth and stability of quasi-monodisperse silver nanoparticles synthesized by the Turkevich method. <i>Journal of Colloid and Interface Science</i> , 2011, 360, 355-358.	9.4	89
4	The effect of silver nanoparticles and nystatin on mixed biofilms of <i>Candida glabrata</i> and <i>Candida albicans</i> on acrylic. <i>Medical Mycology</i> , 2013, 51, 178-184.	0.7	72
5	Low-temperature chemical synthesis of lead zirconate titanate (PZT) powders free from halides and organics. <i>Journal of Materials Chemistry</i> , 2001, 11, 1875-1879.	6.7	61
6	Low temperature synthesis of lithium niobate powders based on water-soluble niobium malato complexes. <i>Solid State Ionics</i> , 2002, 151, 413-418.	2.7	60
7	Sodium Niobate (NaNbO <sub>3</sub> ) Powders Synthesized by a Wet-Chemical Method Using a Water-Soluble Malic Acid Complex. <i>Chemistry of Materials</i> , 2002, 14, 2365-2368.	6.7	59
8	Peroxide-Based Route Free from Halides for the Synthesis of Lead Titanate Powder. <i>Chemistry of Materials</i> , 2001, 13, 1181-1184.	6.7	57
9	Effect of toothpaste with nano-sized trimetaphosphate on dental caries: In situ study. <i>Journal of Dentistry</i> , 2015, 43, 806-813.	4.1	55
10	Synthesis and photocatalytic properties of bismuth titanate with different structures via oxidant peroxy method (OPM). <i>Journal of Colloid and Interface Science</i> , 2014, 415, 89-94.	9.4	53
11	Thermosensitive Poly(N-vinylcaprolactam) Injectable Hydrogels for Cartilage Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2017, 23, 935-945.	3.1	51
12	Chemical Synthesis of Lithium Niobate Powders (LiNbO <sub>3</sub> ) Prepared from Water-Soluble dl-Malic Acid Complexes. <i>Chemistry of Materials</i> , 2001, 13, 1905-1909.	6.7	50
13	Susceptibility of <i>Candida albicans</i> and <i>Candida glabrata</i> biofilms to silver nanoparticles in intermediate and mature development phases. <i>Journal of Prosthodontic Research</i> , 2015, 59, 42-48.	2.8	50
14	In Vitro and In Vivo Toxicity Evaluation of Colloidal Silver Nanoparticles Used in Endodontic Treatments. <i>Journal of Endodontics</i> , 2016, 42, 953-960.	3.1	50
15	A novel aqueous solution route to the low-temperature synthesis of SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> by use of water-soluble Bi and Nb complexes. <i>Journal of Alloys and Compounds</i> , 2000, 309, 113-117.	5.5	49
16	Thermosensitive poly(N-vinylcaprolactam) as a transmission light regulator in smart windows. <i>Solar Energy Materials and Solar Cells</i> , 2018, 186, 266-272.	6.2	49
17	NMR study of styrene-butadiene rubber (SBR) and TiO <sub>2</sub> nanocomposites. <i>Polymer Testing</i> , 2009, 28, 490-494.	4.8	45
18	Antibiofilm effect of chlorhexidine-carrier nanosystem based on iron oxide magnetic nanoparticles and chitosan. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 224-231.	5.0	42

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19	Visible-light photocatalysis with bismuth titanate (Bi <sub>2</sub> TiO <sub>5</sub> ) particles synthesized by the oxidant peroxide method (OPM). <i>Ceramics International</i> , 2015, 41, 12073-12080.	4.8	41
20	Stable colloidal suspensions of nanostructured zirconium oxide synthesized by hydrothermal process. <i>Journal of Nanoparticle Research</i> , 2010, 12, 3105-3110.	1.9	38
21	Novel nanocarrier of miconazole based on chitosan-coated iron oxide nanoparticles as a nanotherapy to fight <i>Candida</i> biofilms. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 192, 111080.	5.0	37
22	Synthesis of Ultra-Fine Columbite Powder MgNb <sub>2</sub> O <sub>6</sub> by the Polymerized Complex Method. <i>Journal of Sol-Gel Science and Technology</i> , 2000, 17, 111-121.	2.4	35
23	Phase evolution of lead titanate from its amorphous precursor synthesized by the OPM wet-chemical route. <i>Journal of Solid State Chemistry</i> , 2004, 177, 1994-2001.	2.9	33
24	Dielectric properties of Na <sub>1-x</sub> Li <sub>x</sub> NbO <sub>3</sub> ceramics from powders obtained by chemical synthesis. <i>Ceramics International</i> , 1999, 25, 455-460.	4.8	31
25	Pyrochlore-free Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> prepared by a combination of the partial oxalate and the polymerized complex methods. <i>Journal of Alloys and Compounds</i> , 2001, 314, 140-146.	5.5	31
26	Synthesis and optimization of colloidal silica nanoparticles and their functionalization with methacrylic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 209-217.	4.7	30
27	Surface free energy of enamel treated with sodium hexametaphosphate, calcium and phosphate. <i>Archives of Oral Biology</i> , 2018, 90, 108-112.	1.8	27
28	Wet-Chemical Route for the Preparation of Lead Zirconate: An Amorphous Carbon- and Halide-Free Precursor Synthesized by the Hydrogen Peroxide Based Route. <i>Chemistry of Materials</i> , 2001, 13, 3943-3948.	6.7	25
29	Crystallization at room temperature from amorphous to trigonal selenium as a byproduct of the synthesis of water dispersible zinc selenide. <i>Materials Letters</i> , 2012, 87, 62-65.	2.6	24
30	Electron microscopy studies on the formation and evolution of sodium niobate nanoparticles from a polymeric precursor. <i>Catalysis Today</i> , 2003, 78, 539-542.	4.4	23
31	Dentinal tubule obliteration using toothpastes containing sodium trimetaphosphate microparticles or nanoparticles. <i>Clinical Oral Investigations</i> , 2018, 22, 3021-3029.	3.0	23
32	In situ effect of fluoride toothpaste supplemented with nano-sized sodium trimetaphosphate on enamel demineralization prevention and biofilm composition. <i>Archives of Oral Biology</i> , 2018, 96, 223-229.	1.8	23
33	Antimicrobial Potential and Cytotoxicity of Silver Nanoparticles Phytosynthesized by Pomegranate Peel Extract. <i>Antibiotics</i> , 2018, 7, 51.	3.7	23
34	Silver colloidal nanoparticle stability: influence on <i>Candida</i> biofilms formed on denture acrylic. <i>Medical Mycology</i> , 2014, 52, 627-635.	0.7	22
35	Effect of fluoride toothpaste with nano-sized trimetaphosphate on enamel demineralization: An in vitro study. <i>Archives of Oral Biology</i> , 2017, 78, 82-87.	1.8	22
36	Nanosynthesis of Silver-Calcium Glycerophosphate: Promising Association against Oral Pathogens. <i>Antibiotics</i> , 2018, 7, 52.	3.7	22

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37	Combined wet-chemical process to synthesize 65PMN-35PT nanosized powders. <i>Journal of Alloys and Compounds</i> , 2004, 372, 111-115.	5.5	21
38	Effect of the addition of nano-sized sodium hexametaphosphate to fluoride toothpastes on tooth demineralization: an in vitro study. <i>Clinical Oral Investigations</i> , 2017, 21, 1821-1827.	3.0	21
39	Green synthesis of silver nanoparticles combined to calcium glycerophosphate: antimicrobial and antibiofilm activities. <i>Future Microbiology</i> , 2018, 13, 345-357.	2.0	21
40	Lead Hafnate (PbHfO <sub>3</sub> ) Perovskite Powders Synthesized by the Oxidant Peroxo Method. <i>Journal of the American Ceramic Society</i> , 2002, 85, 2107-2109.	3.8	20
41	The oxidant peroxo method (OPM) as a new alternative for the synthesis of lead-based and bismuth-based oxides. <i>Journal of Materials Research</i> , 2014, 29, 131-138.	2.6	20
42	Effect of synthetic colloidal nanoparticles in acrylic resin of dental use. <i>European Polymer Journal</i> , 2019, 112, 531-538.	5.4	20
43	The potential of nanomaterials associated with plant growth-promoting bacteria in agriculture. <i>3 Biotech</i> , 2021, 11, 318.	2.2	18
44	Adhesion of <i>Candida</i> biofilm cells to human epithelial cells and polystyrene after treatment with silver nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 410-412.	5.0	17
45	In vivo toxicity and antimicrobial activity of AuPt bimetallic nanoparticles. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	17
46	Antimony-Doped Tin Oxide Nanocrystals: Synthesis and Solubility Behavior in Organic Solvents. <i>ChemPhysChem</i> , 2009, 10, 841-846.	2.1	15
47	Structure and photocatalytic properties of Nb-doped Bi <sub>2</sub> TiO <sub>5</sub> prepared by the oxidant peroxide method (OPM). <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	15
48	Evaluation of modified silica nanoparticles in carboxylated nitrile rubber nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 462, 45-51.	4.7	15
49	Sodium trimetaphosphate and hexametaphosphate impregnated with silver nanoparticles: characteristics and antimicrobial efficacy. <i>Biofouling</i> , 2018, 34, 299-308.	2.2	15
50	Effect of Fluoride Toothpaste Containing Nano-Sized Sodium Hexametaphosphate on Enamel Remineralization: An in situ Study. <i>Caries Research</i> , 2019, 53, 260-267.	2.0	15
51	Qualitative measurement of residual carbon in wet-chemically synthesized powders. <i>Ceramics International</i> , 2004, 30, 2235-2239.	4.8	14
52	Nanosized lead lanthanum titanate (PLT) ceramic powders synthesized by the oxidant peroxo method. <i>Journal of Alloys and Compounds</i> , 2009, 475, 817-821.	5.5	14
53	Effect of lanthanum and lead doping on the microstructure and visible light photocatalysis of bismuth titanate prepared by the oxidant peroxide method (OPM). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 312, 55-63.	3.9	14
54	Dielectric characterization of microwave sintered lead zirconate titanate ceramics. <i>Ceramics International</i> , 2016, 42, 14423-14430.	4.8	14

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55	Fluoride toothpastes containing micrometric or nano-sized sodium trimetaphosphate reduce enamel erosion <i>in vitro</i> . <i>Acta Odontologica Scandinavica</i> , 2018, 76, 119-124.	1.6	14
56	New Approach of the Oxidant Peroxo Method (OPM) Route to Obtain Ti(OH) <sub>4</sub> Nanoparticles with High Photocatalytic Activity under Visible Radiation. <i>International Journal of Photoenergy</i> , 2018, 2018, 1-10.	2.5	14
57	Anticaries effect of toothpaste with nano-sized sodium hexametaphosphate. <i>Clinical Oral Investigations</i> , 2019, 23, 3535-3542.	3.0	14
58	Kinetic Control of Microtubule Morphology Obtained by Assembling Gold Nanoparticles on Living Fungal Biotemplates. <i>Bioconjugate Chemistry</i> , 2016, 27, 2337-2345.	3.6	13
59	Structural and electrical characterization of dense lead zirconate titanate ceramics synthesized by the oxidant-peroxo wet-chemical route. <i>Journal of Applied Physics</i> , 2004, 96, 2169-2172.	2.5	12
60	Characterization of dense lead lanthanum titanate ceramics prepared from powders synthesized by the oxidant peroxo method. <i>Materials Chemistry and Physics</i> , 2010, 124, 1051-1056.	4.0	12
61	Enhanced reactivity of peroxo-modified surface of titanium dioxide nanoparticles used to synthesize ultrafine bismuth titanate powders at lower temperatures. <i>Ceramics International</i> , 2016, 42, 15767-15772.	4.8	12
62	Novel Colloidal Nanocarrier of Cetylpyridinium Chloride: Antifungal Activities on Candida Species and Cytotoxic Potential on Murine Fibroblasts. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 218.	3.5	12
63	Stability of di-butyl-dichalcogenide-capped gold nanoparticles: experimental data and theoretical insights. <i>RSC Advances</i> , 2020, 10, 6259-6270.	3.6	11
64	Synthesis and characterization of lead zirconate titanate powders obtained by the oxidant peroxo method. <i>Journal of Alloys and Compounds</i> , 2009, 469, 523-528.	5.5	10
65	Incorporation of chlorhexidine and nano-sized sodium trimetaphosphate into a glass-ionomer cement: Effect on mechanical and microbiological properties and inhibition of enamel demineralization. <i>Journal of Dentistry</i> , 2019, 84, 81-88.	4.1	10
66	Analyzing the Effects of Silica Nanospheres on the Sol-Gel Transition Profile of Thermosensitive Hydrogels. <i>Langmuir</i> , 2021, 37, 7373-7379.	3.5	10
67	Antimicrobial Activity of Compounds Containing Silver Nanoparticles and Calcium Glycerophosphate in Combination with Tyrosol. <i>Indian Journal of Microbiology</i> , 2019, 59, 147-153.	2.7	9
68	Structural and dielectric characterization of praseodymium-modified lead titanate ceramics synthesized by the OPM route. <i>Materials Chemistry and Physics</i> , 2011, 130, 259-263.	4.0	8
69	Comparison of the nanoparticles performance in the photocatalytic degradation of a styrene-butadiene rubber nanocomposite. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2368-2374.	2.6	8
70	Lanthanum-doped PZT synthesized by the oxidant peroxide method and sintered by conventional and microwave routes. <i>Ceramics International</i> , 2017, 43, 3004-3009.	4.8	8
71	Nanostructured Assemblies of Gold and Silver Nanoparticles for Plasmon Enhanced Spectroscopy Using Living Biotemplates. <i>Colloids and Interfaces</i> , 2017, 1, 4.	2.1	8
72	A new strategy to obtain nano-scale particles of lithium titanate (Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> ) by the oxidant peroxo method (OPM). <i>Ceramics International</i> , 2019, 45, 23917-23923.	4.8	8

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73	Probing the Structural Dynamics of the Coil-Globule Transition of Thermosensitive Nanocomposite Hydrogels. <i>Langmuir</i> , 2021, 37, 1531-1541.	3.5	6
74	Nanocomposites of styrene-butadiene rubber and synthetic anatase obtained by a colloidal route and their photooxidation. <i>Journal of Applied Polymer Science</i> , 2009, 113, 1898-1904.	2.6	5
75	Dynamic and structural correlations in nanocomposites of silica with modified surface and carboxylated nitrile rubber. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 247-253.	9.4	5
76	Heterogeneous Microtubules of Self-assembled Silver and Gold Nanoparticles Using Alive Biotemplates. <i>Materials Research</i> , 2018, 21, .	1.3	4
77	Green and Chemical Silver Nanoparticles and Pomegranate Formulations to Heal Infected Wounds in Diabetic Rats. <i>Antibiotics</i> , 2021, 10, 1343.	3.7	4
78	Effects of nano-sized sodium hexametaphosphate on the viability, metabolism, matrix composition, and structure of dual-species biofilms of <i>Streptococcus mutans</i> and <i>Candida albicans</i> . <i>Biofouling</i> , 2022, 38, 321-330.	2.2	4
79	Silver and phosphate nanoparticles: Antimicrobial approach and caries prevention application. , 2019, , 225-242.		2
80	Novel pulp capping material based on sodium trimetaphosphate: synthesis, characterization, and antimicrobial properties. <i>Journal of Applied Oral Science</i> , 2022, 30, e20210483.	1.8	2
81	Thermosensitive and Biocompatible Nanocomposites of Poly(N-vinylcaprolactam) and Hydroxyapatite with Potential Use for Bone Tissue Repair. <i>BioNanoScience</i> , 2022, 12, 766-773.	3.5	1
82	Silver Nanoparticles to Fight Candida Coinfection in the Oral Cavity. , 2015, , 283-295.		0
83	Fundamentals and Advances of the Oxidant Peroxo Method (OPM) for the Synthesis of Transition Metal Oxides. <i>Engineering Materials</i> , 2021, , 109-154.	0.6	0
84	Conductive nanopaints: A remarkable coating. , 2022, , 429-449.		0