

Miriam Estevez

List of Publications by Year in descending order

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85
papers

1,358
citations

394286

19
h-index

414303

32
g-index

86
all docs

86
docs citations

86
times ranked

2001
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis of silver nanoparticles using a <i>Melissa officinalis</i> leaf extract with antibacterial properties. <i>Results in Physics</i> , 2017, 7, 2639-2643.	2.0	98
2	New Dye-Sensitized Solar Cells Obtained from Extracted Bracts of <i>Bougainvillea Glabra</i> and <i>Spectabilis</i> Betalain Pigments by Different Purification Processes. <i>International Journal of Molecular Sciences</i> , 2011, 12, 5565-5576.	1.8	94
3	Nanohybrid scratch resistant coatings for teeth and bone viscoelasticity manifested in tribology. <i>Materials Research Innovations</i> , 2003, 7, 110-114.	1.0	83
4	Silica nano-particles produced by worms through a bio-digestion process of rice husk. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 844-850.	1.5	73
5	Green synthesis of Ag nanoflowers using <i>Kalanchoe Daigremontiana</i> extract for enhanced photocatalytic and antibacterial activities. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 180, 141-149.	2.5	63
6	Biosynthesis of Ag nanoparticles using <i>Cynara cardunculus</i> leaf extract: Evaluation of their antibacterial and electrochemical activity. <i>Results in Physics</i> , 2018, 11, 1142-1149.	2.0	50
7	Encapsulation of grape seed phenolic-rich extract within W/O/W emulsions stabilized with complexed biopolymers: Evaluation of their stability and release. <i>Food Chemistry</i> , 2019, 272, 478-487.	4.2	46
8	Stabilized Conversion Efficiency and Dye-Sensitized Solar Cells from <i>Beta vulgaris</i> Pigment. <i>International Journal of Molecular Sciences</i> , 2013, 14, 4081-4093.	1.8	43
9	Use of coupling agents to stabilize asphalt-rubber-gravel composite to improve its mechanical properties. <i>Journal of Cleaner Production</i> , 2009, 17, 1359-1362.	4.6	41
10	A general seed-mediated approach to the synthesis of AgM (M = Au, Pt, and Pd) core-shell nanoplates and their SERS properties. <i>RSC Advances</i> , 2017, 7, 27170-27176.	1.7	35
11	Stability Analysis of Anthocyanins Using Alcoholic Extracts from Black Carrot (<i>Daucus Carota</i> ssp.) Tj ETQq1 1 0.784314 rgBT/Overlook	1.7	34
12	Effects of Tetraethyl Orthosilicate (TEOS) on the Light and Temperature Stability of a Pigment from <i>Beta vulgaris</i> and Its Potential Food Industry Applications. <i>Molecules</i> , 2014, 19, 17985-18002.	1.7	33
13	Synthesis of gold nanoparticles supported on functionalized nanosilica using deep eutectic solvent for an electrochemical enzymatic glucose biosensor. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7072-7081.	2.9	30
14	Structure, magnetic and cytotoxic behaviour of solvothermally grown Fe ₃ O ₄ @Au core-shell nanoparticles. <i>Materials Characterization</i> , 2018, 142, 237-244.	1.9	28
15	Alcoholic extracts from <i>Paulownia tomentosa</i> leaves for silver nanoparticles synthesis. <i>Results in Physics</i> , 2019, 12, 1670-1679.	2.0	24
16	Radiation-induced graft polymerization of chitosan onto poly(3-hydroxybutyrate). <i>Carbohydrate Polymers</i> , 2015, 133, 482-492.	5.1	23
17	Development of meniscus substitutes using a mixture of biocompatible polymers and extra cellular matrix components by electrospinning. <i>Materials Science and Engineering C</i> , 2016, 61, 893-905.	3.8	23
18	Lead (II) removal by poly(N,N-dimethylacrylamide-co-2-hydroxyethyl methacrylate). <i>European Polymer Journal</i> , 2018, 101, 262-272.	2.6	22

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19	Porous hydroxyapatite-based obturation materials for dentistry. <i>Journal of Materials Research</i> , 2008, 23, 1587-1596.	1.2	20
20	Quercetin conjugated silica particles as novel biofunctional hybrid materials for biological applications. <i>Journal of Colloid and Interface Science</i> , 2016, 466, 44-55.	5.0	20
21	Synthesis and functionalization of silica-based nanoparticles with fluorescent biocompounds extracted from <i>Eysenhardtia polystachya</i> for biological applications. <i>Materials Science and Engineering C</i> , 2015, 57, 49-57.	3.8	19
22	Shock wave-assisted extraction of phenolic acids and flavonoids from <i>Eysenhardtia polystachya</i> heartwood: A novel method and its comparison with conventional methodologies. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104809.	3.8	19
23	Synthesis and characterization of HAp-based porous materials. <i>Materials Letters</i> , 2009, 63, 1558-1561.	1.3	18
24	Novel biosynthesis of Ag-hydroxyapatite: Structural and spectroscopic characterization. <i>Results in Physics</i> , 2018, 9, 593-597.	2.0	18
25	Use of Raman spectroscopy to determine the kinetics of chemical transformation in yogurt production. <i>Vibrational Spectroscopy</i> , 2013, 68, 133-140.	1.2	17
26	Antioxidant capacity and antibacterial activity from <i>Annona cherimola</i> phytochemicals by ultrasound-assisted extraction and its comparison to conventional methods. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103239.	2.3	17
27	Catalytic and antibacterial properties of gold nanoparticles synthesized by a green approach for bioremediation applications. <i>3 Biotech</i> , 2019, 9, 135.	1.1	15
28	Synthesis and application of biogenic gold nanomaterials with {110} facets for crude glycerol electro-oxidation. <i>Fuel</i> , 2020, 279, 118505.	3.4	15
29	Novel wear resistant and low toxicity dental obturation materials. <i>Materials Letters</i> , 2007, 61, 3025-3029.	1.3	13
30	Novel chitosan/polyurethane/anatase titania porous hybrid composite for removal of metal ions waste. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 2185-2197.	1.6	13
31	Sargassum Influx on the Mexican Coast: A Source for Synthesizing Silver Nanoparticles with Catalytic and Antibacterial Properties. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4638.	1.3	13
32	Hydroxyapatite based hybrid dental materials with controlled porosity and improved tribological and mechanical properties. <i>Materials Research Innovations</i> , 2013, 17, 154-160.	1.0	12
33	Evaluation of Inulin Replacing Chitosan in a Polyurethane/Polysaccharide Material for Pb ²⁺ Removal. <i>Molecules</i> , 2017, 22, 2093.	1.7	12
34	Gold nanoparticles bioreduced by natural extracts of arantho (<i>Kalanchoe daigremontiana</i>) for biological purposes: physicochemical, antioxidant and antiproliferative evaluations. <i>Materials Research Express</i> , 2019, 6, 055010.	0.8	12
35	Scratch resistance of different silica filled resins for obturation materials. <i>Materials Research Innovations</i> , 2007, 11, 181-184.	1.0	11
36	New polyurethane-anatase titania porous hybrid composite for the degradation of azo-compounds wastes. <i>Composites Part B: Engineering</i> , 2013, 44, 686-691.	5.9	11

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37	Formation of Cu@Pd core@shell nanocatalysts with high activity for ethanol electro-oxidation in alkaline medium. <i>Applied Surface Science</i> , 2021, 538, 148119.	3.1	11
38	Self-assembly of ZnO nanoflowers synthesized by a green approach with enhanced catalytic, and antibacterial properties. <i>Materials Chemistry and Physics</i> , 2022, 289, 126453.	2.0	11
39	New Insights on surfactant-free styrene emulsion polymerization in The presence of sodium styrene sulfonate. <i>Colloid and Polymer Science</i> , 2016, 294, 1571-1576.	1.0	10
40	Autoacceleration in Bulk Free-Radical Polymerization: Effect of Chain Transfer. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700434.	1.1	10
41	Developing a CNT-SPE Sensing Platform Based on Green Synthesized AuNPs, Using <i>Sargassum</i> sp.. <i>Sensors</i> , 2020, 20, 6108.	2.1	10
42	Homogeneous and heterogeneous catalytic behavior of Ni-porphyrines immobilized in SBA-15 for the esterification of DMT. <i>Applied Catalysis A: General</i> , 2011, 401, 119-123.	2.2	9
43	Thorax thermographic simulator for breast pathologies. <i>Journal of Applied Research and Technology</i> , 2017, 15, 143-151.	0.6	9
44	Defect-induced luminescence in Co(II)-doped anatase TiO ₂ prepared by the sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 167-172.	1.5	8
45	Photo-quenched luminescence in Co(II)-doped sol-gel zirconia. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 44, 97-104.	1.1	8
46	Mechanical, chemical and acoustic properties of new hybrid ceramic-polymer varnishes for musical instruments. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 132-140.	1.5	8
47	In Vivo Evaluation of Implant-Host Tissue Interaction using Morphology-Controlled Hydroxyapatite-Based Biomaterials. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 1799-1810.	1.9	8
48	Synthesis and Characterization of Inulin-Based Responsive Polyurethanes for Breast Cancer Applications. <i>Polymers</i> , 2020, 12, 865.	2.0	8
49	Engineered titania nanomaterials in advanced clinical applications. <i>Beilstein Journal of Nanotechnology</i> , 2022, 13, 201-218.	1.5	8
50	Novel Biocompatible and Biodegradable PCL-PLA/ Iron Oxide NPs Marker Clip Composite for Breast Cancer Biopsy. <i>Polymers</i> , 2018, 10, 1307.	2.0	7
51	Synthesis and characterization of segmented poly(ester-urethane)s (PEUs) containing carotenoids. <i>Polymer Chemistry</i> , 2019, 10, 6580-6587.	1.9	7
52	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2002, 23, 99-105.	1.1	6
53	Hydrophobic modification of an expansive soil using polymers and organic compounds: a comparative study with lime. <i>Geotechnique</i> , 2005, 55, 613-616.	2.2	6
54	Characterization of novel dental obturation materials. <i>Materials Research Innovations</i> , 2006, 10, 411-414.	1.0	6

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55	Drying kinetics and segregation in a two-component anti-adherent coating studied by photoluminescence and Raman spectroscopies. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 3623-3629.	1.5	6
56	Scratch and Abrasion Properties of Polyurethane-Based Micro- and Nano-Hybrid Obturation Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4446-4455.	0.9	6
57	Stability comparison between microencapsulated red-glycosidic pigments and commercial FD&C Red 40 dye for food coloring. <i>Journal of Materials Science</i> , 2017, 52, 5014-5026.	1.7	6
58	Abrasion Properties Of Alkyd- And Acrylic-Based Polymer-Ceramic Nano-Hybrid Coatings On Wood Surfaces. <i>Materials Research Innovations</i> , 2006, 10, 193-206.	1.0	5
59	Tribological and Mechanical Properties of Poly[(R)-3-hydroxybutyric acid] Grafted with Vinyl Compounds: Insight into Possible Application. <i>International Journal of Polymer Analysis and Characterization</i> , 2015, 20, 469-479.	0.9	5
60	Super-enhanced particle nucleation in styrene emulsion polymerization in the presence of sodium styrene sulfonate. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 126-132.	5.0	5
61	Electrochemical Study of a Hybrid Polymethyl Methacrylate Coating using SiO ₂ Nanoparticles toward the Mitigation of the Corrosion in Marine Environments. <i>Materials</i> , 2019, 12, 3216.	1.3	5
62	A Novel Dental Material With High Scratch Resistance. <i>Materials Research Innovations</i> , 2005, 9, 80-82.	1.0	4
63	Hybrid Porous Materials for Dental Applications. <i>Journal of Composite Materials</i> , 2010, 44, 2667-2678.	1.2	4
64	Effects of extraction solvents on photoluminescent properties of eysenhardtia polystachia and their potential usage as biomarker. <i>Materials Science and Engineering C</i> , 2017, 72, 42-52.	3.8	4
65	Anticorrosive Effect of the Size of Silica Nanoparticles on PMMA-Based Hybrid Coatings. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 1054-1065.	1.2	4
66	Hybrid ceramic-polymer material for wood coating with high wearing resistance. <i>Materials Research Innovations</i> , 2003, 7, 80-84.	1.0	3
67	PREPARATION AND BEHAVIOR OF A STAIN-PROTECTING HYBRID COATING FOR TEETH. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2004, 53, 645-651.	1.8	3
68	Defect-induced luminescence in sol-gel silica samples doped with Co(II) at different concentrations. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 145, 97-102.	1.7	3
69	Hap-based porous material with potential application as bio-packages for MEMS. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 646-652.	1.1	3
70	Hybrid corrosion-resistant coatings analyzed using electrochemical noise. <i>Anti-Corrosion Methods and Materials</i> , 2009, 56, 310-315.	0.6	3
71	Photo-quenched of the luminescence signal in Co(II)-doped alumina prepared by the sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 1383-1389.	1.5	3
72	Dielectric determination of bio- and free-calcium in commercial alkaline-cooked ground corn. <i>International Journal of Food Science and Technology</i> , 2012, 47, 1072-1078.	1.3	3

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73	Synthesis and Characterization of Bifunctional Fe ₂ O ₃ -Ag Nanoparticles. <i>Advances in Condensed Matter Physics</i> , 2015, 2015, 1-6.	0.4	3
74	Physicochemical modification of EDTA solutions to improve the smear layer removal in dental applications. <i>Materials Letters</i> , 2006, 60, 1736-1739.	1.3	2
75	Synthesis and characterization of porous hybrid biomaterials with improved mechanical properties. <i>Journal of Composite Materials</i> , 2012, 46, 1831-1838.	1.2	2
76	Rheology and gel point of the enzymatic hydrolysis of urea in the presence of urease. <i>Korea Australia Rheology Journal</i> , 2017, 29, 1-7.	0.7	2
77	Fluorescence decay rate of selected compounds from <i>Eysenhardtia polystachya</i> extracts and their viability as biosensors. <i>Materials Science and Engineering C</i> , 2019, 104, 109978.	3.8	2
78	SYNTHESIS AND CHARACTERIZATION OF A WEAR-RESISTANT HYBRID POLYMER-CERAMIC COATING FOR DENTAL APPLICATIONS. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2004, 53, 859-869.	1.8	1
79	Kinetics of the drying process of an anti-adherent coating using Photothermal Radiometry and Micro-Raman. <i>European Physical Journal Special Topics</i> , 2005, 125, 593-596.	0.2	1
80	Carbon Dots Synthesized from <i>Cinchona Pubescens</i> Vahl. An Efficient Antibacterial Nanomaterial and Bacterial Detector.. <i>ChemistrySelect</i> , 2022, 7, .	0.7	1
81	Nonlocal Effects in the Confocal Raman Characterization of Inhomogeneous Polymer Coatings. <i>Journal of Materials Engineering and Performance</i> , 2010, 19, 1199-1204.	1.2	0
82	Effect of thermal treatments and Co concentration on the structural and luminescent properties of sputtered TiO ₂ :Co films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2167-2172.	0.8	0
83	Bio-Packaged Transponder MEMS Implanted in Rats. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 31-44.	1.9	0
84	Electrochemical Evaluation of Nanostructured Thin Films Formed By Polycaprolactone-Fe ₂ O ₃ -Al ₂ O ₃ Composites in Hank Solution. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
85	Adsorptive Treatment of Textile Effluent Using Chemically Modified Chitosan as Adsorbent. <i>Materials Research Foundations</i> , 2018, , 123-133.	0.2	0