

Maria H A Santana

List of Publications by Year in descending order

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101
papers

2,878
citations

201674

27
h-index

197818

49
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101
all docs

101
docs citations

101
times ranked

4165
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoporous silicon microparticles embedded into oxidized hyaluronic acid/adipic acid dihydrazide hydrogel for enhanced controlled drug delivery. <i>Microporous and Mesoporous Materials</i> , 2021, 310, 110634.	4.4	14
2	Techno-Economic Analysis of a Hyaluronic Acid Production Process Utilizing Streptococcal Fermentation. <i>Processes</i> , 2021, 9, 241.	2.8	21
3	Oxi-HA/ADH Hydrogels: A Novel Approach in Tissue Engineering and Regenerative Medicine. <i>Polysaccharides</i> , 2021, 2, 477-496.	4.8	7
4	How centrifugation influences the recovery and soy peptone incorporation in hyaluronic acid coils from fermentation. <i>Journal of Biotechnology</i> , 2021, 341, 121-128.	3.8	0
5	Hyaluronic acid and fibrin from L-PRP form semi-IPNs with tunable properties suitable for use in regenerative medicine. <i>Materials Science and Engineering C</i> , 2020, 109, 110547.	7.3	14
6	Hyaluronic Acid in the Intestinal Tract: Influence of Structure, Rheology, and Mucoadhesion on the Intestinal Uptake in Rats. <i>Biomolecules</i> , 2020, 10, 1422.	4.0	8
7	Performance of the main downstream operations on hyaluronic acid purification. <i>Process Biochemistry</i> , 2020, 99, 160-170.	3.7	12
8	Spinal Reflex Recovery after Dorsal Rhizotomy and Repair with Platelet-Rich Plasma (PRP) Gel Combined with Bioengineered Human Embryonic Stem Cells (hESCs). <i>Stem Cells International</i> , 2020, 2020, 1-16.	2.5	4
9	Mitotane liposomes for potential treatment of adrenal cortical carcinoma: <i>ex vivo</i> intestinal permeation and <i>in vivo</i> bioavailability. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 949-961.	2.4	7
10	Waxes used as structuring agents for food organogels: A Review. <i>Grasas Y Aceites</i> , 2020, 71, 344.	0.9	16
11	Liposomal-based lidocaine formulation for the improvement of infiltrative buccal anaesthesia. <i>Journal of Liposome Research</i> , 2019, 29, 66-72.	3.3	6
12	Reflex arc recovery after spinal cord dorsal root repair with platelet rich plasma (PRP). <i>Brain Research Bulletin</i> , 2019, 152, 212-224.	3.0	11
13	Centrifugation Conditions in the L-PRP Preparation Affect Soluble Factors Release and Mesenchymal Stem Cell Proliferation in Fibrin Nanofibers. <i>Molecules</i> , 2019, 24, 2729.	3.8	14
14	3D Printed Cartilage-Like Tissue Constructs with Spatially Controlled Mechanical Properties. <i>Advanced Functional Materials</i> , 2019, 29, 1906330.	14.9	66
15	Production of humic acids by solid-state fermentation of <i>Trichoderma reesei</i> in raw oil palm empty fruit bunch fibers. <i>3 Biotech</i> , 2019, 9, 393.	2.2	7
16	Structural changes and crosslinking modulated functional properties of oxi-HA/ADH hydrogels useful for regenerative purposes. <i>European Polymer Journal</i> , 2019, 121, 109288.	5.4	13
17	Evaluation of the Influence of Process Parameters on the Properties of Resveratrol-Loaded NLC Using 22 Full Factorial Design. <i>Antioxidants</i> , 2019, 8, 272.	5.1	40
18	Association of Platelet-Rich Plasma and Auto-Crosslinked Hyaluronic Acid Microparticles: Approach for Orthopedic Application. <i>Polymers</i> , 2019, 11, 1568.	4.5	13

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19	Hyaluronic acid behavior in oral administration and perspectives for nanotechnology-based formulations: A review. <i>Carbohydrate Polymers</i> , 2019, 222, 115001.	10.2	34
20	Nanostructured lipid carriers loaded with free phytosterols for food applications. <i>Food Chemistry</i> , 2019, 298, 125053.	8.2	30
21	Structural Modifications and Solution Behavior of Hyaluronic Acid Degraded with High pH and Temperature. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 424-436.	2.9	5
22	Structural and surface properties control the recovery and purity of bio-hyaluronic acid upon precipitation with isopropyl alcohol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 573, 112-118.	4.7	7
23	Physical approach for a quantitative analysis of the phytosterols in free phytosterol-oil blends by X-ray Rietveld method. <i>Food Research International</i> , 2019, 124, 2-15.	6.2	13
24	3D Printed Tissues: 3D Printed Cartilage-Like Tissue Constructs with Spatially Controlled Mechanical Properties (Adv. Funct. Mater. 51/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970350.	14.9	3
25	Solid lipid nanoparticles as carriers for lipophilic compounds for applications in foods. <i>Food Research International</i> , 2019, 122, 610-626.	6.2	124
26	Leukocyte-rich PRP for knee osteoarthritis: Current concepts. <i>Journal of Clinical Orthopaedics and Trauma</i> , 2019, 10, S179-S182.	1.5	53
27	Recovery and Purity of High Molar Mass Bio-hyaluronic Acid Via Precipitation Strategies Modulated by pH and Sodium Chloride. <i>Applied Biochemistry and Biotechnology</i> , 2019, 188, 527-539.	2.9	7
28	Characterization of lignocellulosic composition and residual lipids in empty fruit bunches from palm oil processing. <i>Grasas Y Aceites</i> , 2019, 70, 314.	0.9	5
29	Distribution, recovery and concentration of platelets and leukocytes in L-PRP prepared by centrifugation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 161, 288-295.	5.0	18
30	Solid lipid nanoparticles optimized by 22 factorial design for skin administration: Cytotoxicity in NIH3T3 fibroblasts. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 501-505.	5.0	51
31	Influence of different surfactants on the physicochemical properties of elastic liposomes. <i>Pharmaceutical Development and Technology</i> , 2017, 22, 360-369.	2.4	8
32	Antimicrobial activity of polymyxin-loaded solid lipid nanoparticles (PLX-SLN): Characterization of physicochemical properties and in vitro efficacy. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 106, 177-184.	4.0	57
33	Contributions for classification of platelet rich plasma " proposal of a new classification: MARSPILL. <i>Regenerative Medicine</i> , 2017, 12, 565-574.	1.7	113
34	OXYGEN TRANSFER IN THE SOLID-STATE CULTIVATION OF <i>D. monoceras</i> ON POLYURETHANE FOAM AS AN INERT SUPPORT. <i>Brazilian Journal of Chemical Engineering</i> , 2016, 33, 793-799.	1.3	5
35	Skin Delivery and in Vitro Biological Evaluation of Trans-Resveratrol-Loaded Solid Lipid Nanoparticles for Skin Disorder Therapies. <i>Molecules</i> , 2016, 21, 116.	3.8	69
36	Chitosan Cross-Linked Pentasodium Tripolyphosphate Micro/Nanoparticles Produced by Ionotropic Gelation. <i>Sugar Tech</i> , 2016, 18, 49-54.	1.8	30

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37	Humic acids: Structural properties and multiple functionalities for novel technological developments. <i>Materials Science and Engineering C</i> , 2016, 62, 967-974.	7.3	421
38	Stabilization of porous chitosan improves the performance of its association with platelet-rich plasma as a composite scaffold. <i>Materials Science and Engineering C</i> , 2016, 60, 538-546.	7.3	23
39	In vitro performance of injectable chitosan-tripolyphosphate scaffolds combined with platelet-rich plasma. <i>Tissue Engineering and Regenerative Medicine</i> , 2016, 13, 21-30.	3.7	18
40	Randomized controlled trial comparing hyaluronic acid, platelet-rich plasma and the combination of both in the treatment of mild and moderate osteoarthritis of the knee. <i>Journal of Stem Cells and Regenerative Medicine</i> , 2016, 12, 69-78.	2.2	131
41	Sterilization of auto-crosslinked hyaluronic acid scaffolds structured in microparticles and sponges. <i>Bio-Medical Materials and Engineering</i> , 2015, 26, 183-191.	0.6	3
42	The Performance of Crosslinking with Divinyl Sulfone as Controlled by the Interplay Between the Chemical Modification and Conformation of Hyaluronic Acid. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	12
43	Performance of PRP Associated with Porous Chitosan as a Composite Scaffold for Regenerative Medicine. <i>Scientific World Journal, The</i> , 2015, 2015, 1-12.	2.1	23
44	Didanosine-loaded chitosan microspheres optimized by surface-response methodology: A modified "Maximum Likelihood Classification" approach formulation for reverse transcriptase inhibitors. <i>Biomedicine and Pharmacotherapy</i> , 2015, 70, 46-52.	5.6	12
45	Sodium alginate-cross-linked polymyxin B sulphate-loaded solid lipid nanoparticles: Antibiotic resistance tests and HaCat and NIH/3T3 cell viability studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 129, 191-197.	5.0	70
46	The interactions between humic acids and Pluronic F127 produce nanoparticles useful for pharmaceutical applications. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	5
47	The crosslinking degree controls the mechanical, rheological, and swelling properties of hyaluronic acid microparticles. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 730-737.	4.0	29
48	Development and characterization of a cationic lipid nanocarrier as non-viral vector for gene therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 66, 78-82.	4.0	41
49	Solid-State Fermentation for Humic Acids Production by a <i>Trichoderma reesei</i> Strain Using an Oil Palm Empty Fruit Bunch as the Substrate. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 2205-2217.	2.9	25
50	Rheological properties of citrus pectin dispersions and its blends with polyquaternium ⁷ and colloidal particles. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	3
51	Solid lipid nanoparticles for hydrophilic biotech drugs: Optimization and cell viability studies (Caco-2) Tj ETQq1 1 0.784314 rgBT /Ove	5.5	84
52	Fibrin network architectures in pure platelet-rich plasma as characterized by fiber radius and correlated with clotting time. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 1967-1977.	3.6	18
53	Oxygen Transfer in Solid-State Cultivation Under Controlled Moisture Conditions. <i>Applied Biochemistry and Biotechnology</i> , 2014, 174, 708-718.	2.9	7
54	Fibrin network architectures in pure platelet-rich plasma as characterized by fiber radius and correlated with clotting time. , 2014, 25, 1967.		1

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55	Production of humic acids from oil palm empty fruit bunch by submerged fermentation with <i>Trichoderma viride</i> : Cellulosic substrates and nitrogen sources. <i>Biotechnology Progress</i> , 2013, 29, 631-637.	2.6	18
56	Effects of soy peptone on the inoculum preparation of <i>Streptococcus zooepidemicus</i> for production of hyaluronic acid. <i>Bioresource Technology</i> , 2013, 130, 798-800.	9.6	23
57	The Solid-State Cultivation of <i>Streptococcus zooepidemicus</i> in Polyurethane Foam as a Strategy for the Production of Hyaluronic Acid. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1491-1502.	2.9	3
58	Prediction and Modulation of Platelet Recovery by Discontinuous Centrifugation of Whole Blood for the Preparation of Pure Platelet-Rich Plasma. <i>BioResearch Open Access</i> , 2013, 2, 307-314.	2.6	26
59	Nanoemulsions and nanoparticles for non-melanoma skin cancer: effects of lipid materials. <i>Clinical and Translational Oncology</i> , 2013, 15, 417-424.	2.4	38
60	Physicochemical characterization of surfactant incorporating vesicles that incorporate colloidal magnetite. <i>Journal of Liposome Research</i> , 2013, 23, 47-53.	3.3	2
61	Influence of particle size and fluid fraction on rheological and extrusion properties of crosslinked hyaluronic acid hydrogel dispersions. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2180-2185.	2.6	13
62	Hydrophilic coating of mitotane-loaded lipid nanoparticles: Preliminary studies for mucosal adhesion. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 577-581.	2.4	37
63	Cashew apple juice as microbial cultivation medium for non-immunogenic hyaluronic acid production. <i>Brazilian Journal of Microbiology</i> , 2013, 44, 1097-1104.	2.0	8
64	Preparation and Characterization of Solid Lipid Nanoparticles Loaded with Racemic Mitotane. <i>Journal of Colloid Science and Biotechnology</i> , 2013, 2, 140-145.	0.2	5
65	Effects of Organic Solvents on Hyaluronic Acid Nanoparticles Obtained by Precipitation and Chemical Crosslinking. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 2849-2857.	0.9	17
66	Effects of extrusion, lipid concentration and purity on physico-chemical and biological properties of cationic liposomes for gene vaccine applications. <i>Journal of Microencapsulation</i> , 2012, 29, 759-769.	2.8	13
67	Production of hyaluronic acid (HA) nanoparticles by a continuous process inside microchannels: Effects of non-solvents, organic phase flow rate, and HA concentration. <i>Chemical Engineering Science</i> , 2012, 84, 134-141.	3.8	38
68	Elastic liposomes containing benzophenone-3 for sun protection factor enhancement. <i>Pharmaceutical Development and Technology</i> , 2012, 17, 661-665.	2.4	20
69	Optimizing SLN and NLC by 22 full factorial design: Effect of homogenization technique. <i>Materials Science and Engineering C</i> , 2012, 32, 1375-1379.	7.3	72
70	Analysis of in vivo absorption of didanosine tablets in male adult dogs by HPLC. <i>Journal of Pharmaceutical Analysis</i> , 2012, 2, 29-34.	5.3	5
71	Preparation of gastro-resistant pellets containing chitosan microspheres for improvement of oral didanosine bioavailability. <i>Journal of Pharmaceutical Analysis</i> , 2012, 2, 188-192.	5.3	23
72	Biomass production from <i>Trichoderma viride</i> in nonconventional oat medium. <i>Biotechnology Progress</i> , 2012, 28, 1245-1250.	2.6	10

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73	Prepara��o de nanopart�culas polim�ricas a partir de pol�meros pr�-formados: parte II. Polimeros, 2012, 22, 101-106.	0.7	19
74	Prepara��o de nanopart�culas polim�ricas a partir da polimeriza��o de mon�meros: parte I. Polimeros, 2012, 22, 96-100.	0.7	22
75	Hyaluronic acid depolymerization by ascorbate-redox effects on solid state cultivation of Streptococcus zooepidemicus in cashew apple fruit bagasse. World Journal of Microbiology and Biotechnology, 2012, 28, 2213-2219.	3.6	13
76	In vivo evaluation of hydrogels of polyvinyl alcohol with and without carbon nanoparticles for osteochondral repair. Carbon, 2012, 50, 2091-2099.	10.3	16
77	Effectiveness, against tuberculosis, of pseudo-ternary complexes: Peptide-DNA-cationic liposome. Journal of Colloid and Interface Science, 2012, 373, 102-109.	9.4	24
78	Crystallinity of Dynasan�114 and Dynasan�118 matrices for the production of stable Miglyol�-loaded nanoparticles. Journal of Thermal Analysis and Calorimetry, 2012, 108, 101-108.	3.6	23
79	Pol�meros sint�ticos biodegrad�veis: mat�rias-primas e m�todos de produ�o de micropart�culas para uso em drug delivery e libera�o controlada. Polimeros, 2011, 21, 286-292.	0.7	4
80	Polymorphism, crystallinity and hydrophilic�lipophilic balance of stearic acid and stearic acid�capric/caprylic triglyceride matrices for production of stable nanoparticles. Colloids and Surfaces B: Biointerfaces, 2011, 86, 125-130.	5.0	112
81	Rheological aspects of microbial hyaluronic acid. Journal of Applied Polymer Science, 2011, 122, 126-133.	2.6	8
82	Surface miscibility of EPC/DOTAP/DOPE in binary and ternary mixed monolayers. Colloids and Surfaces B: Biointerfaces, 2011, 83, 260-269.	5.0	19
83	Pol�meros usados como sistemas de transporte de princ�pios ativos. Polimeros, 2011, 21, 361-368.	0.7	16
84	Metabolic Effects of the Initial Glucose Concentration on Microbial Production of Hyaluronic Acid. Applied Biochemistry and Biotechnology, 2010, 162, 1751-1761.	2.9	32
85	The Influence of Mineral Ions on the Microbial Production and Molecular Weight of Hyaluronic Acid. Applied Biochemistry and Biotechnology, 2010, 162, 2125-2135.	2.9	11
86	Retinyl palmitate flexible polymeric nanocapsules: Characterization and permeation studies. Colloids and Surfaces B: Biointerfaces, 2010, 81, 374-380.	5.0	52
87	Microbial production of hyaluronic acid from agricultural resource derivatives. Bioresource Technology, 2010, 101, 6506-6509.	9.6	44
88	The synergy between structural stability and DNA-binding controls the antibody production in EPC/DOTAP/DOPE liposomes and DOTAP/DOPE lipoplexes. Colloids and Surfaces B: Biointerfaces, 2009, 73, 175-184.	5.0	30
89	The intestinal permeation of didanosine from granules containing microspheres using the everted gut sac model. Journal of Microencapsulation, 2009, 26, 523-528.	2.8	17
90	Surface-modified magnetic colloids for affinity adsorption of immunoglobulins. Journal of Magnetism and Magnetic Materials, 2008, 320, 1867-1870.	2.3	5

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91	Adsorption of antiphospholipid antibodies on affinity magnetoliposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 63, 249-253.	5.0	6
92	Protective efficacy of different strategies employing <i>Mycobacterium leprae</i> heat-shock protein 65 against tuberculosis. <i>Expert Opinion on Biological Therapy</i> , 2008, 8, 1255-1264.	3.1	21
93	Protection against tuberculosis by a single intranasal administration of DNA-hsp65 vaccine complexed with cationic liposomes. <i>BMC Immunology</i> , 2008, 9, 38.	2.2	82
94	Su.30. <i>Mycobacterium tuberculosis</i> Infection is Diminished in Mice Immunized by Intranasal Route with a Novel Cationic Liposome Carrying DNA-hsp65. <i>Clinical Immunology</i> , 2008, 127, S134.	3.2	0
95	Poly-lactide-co-glycolide Microparticle Sizes: A Rational Factorial Design and Surface Response Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2403-2407.	0.9	9
96	Phospholipid dry powders produced by spray drying processing: structural, thermodynamic and physical properties. <i>Powder Technology</i> , 2004, 145, 139-148.	4.2	61
97	Receptor-mediated biological responses are prolonged using hydrophobized ligands. <i>Biosensors and Bioelectronics</i> , 2004, 20, 1157-1164.	10.1	7
98	Efeito do polietilenoglicol e da albumina na imobilizaçŁo de lipase microbiana e na catÁlise em meio orgÁnico. <i>Quimica Nova</i> , 2003, 26, 832-838.	0.3	6
99	Attachment of Water-Soluble Proteins to the Surface of (Magnetizable) Phospholipid Colloids via NeutrAvidin-Derivatized Phospholipids. <i>Journal of Colloid and Interface Science</i> , 2002, 245, 274-280.	9.4	28
100	In Vitro Evaluation of Open Heart Surgery Tubing Coated with Heparin and Lipid. <i>Artificial Organs</i> , 2000, 24, 182-184.	1.9	2
101	Aerobic immobilized cells in alginate gel particles of variable density. <i>Applied Biochemistry and Biotechnology</i> , 1996, 57-58, 543-550.	2.9	7