Fernando Carlos Giacomelli

List of Publications by Year
in descending order

71	2,201	361296 20	233338 45
papers	citations	h-index	g-index

72	72	72	2964
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of the inhibitor effect of l-ascorbic acid on the corrosion of mild steel. Materials Chemistry and Physics, 2004, 83, 129-134.	2.0	776
2	Formation of Catalytic Silver Nanoparticles Supported on Branched Polyethyleneimine Derivatives. Langmuir, 2010, 26, 17772-17779.	1.6	109
3	Synthesis and Catalytic Properties of Silver Nanoparticleâ€"Linear Polyethylene Imine Colloidal Systems. Journal of Physical Chemistry C, 2012, 116, 4594-4604.	1.5	81
4	pH-triggered block copolymer micelles based on a pH-responsive PDPA (poly[2-(diisopropylamino)ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 cancer therapy. Soft Matter, 2011, 7, 9316.	1.2	77
5	Combination chemotherapy using core-shell nanoparticles through the self-assembly of HPMA-based copolymers and degradable polyester. Journal of Controlled Release, 2013, 165, 153-161.	4.8	57
6	Aggregation Behavior of a New Series of ABA Triblock Copolymers Bearing Short Outer A Blocks in B-Selective Solvent: From Free Chains to Bridged Micelles. Langmuir, 2009, 25, 731-738.	1.6	51
7	Novel â€œsoftâ€•biodegradable nanoparticles prepared from aliphatic based monomers as a potential drug delivery system. Soft Matter, 2012, 8, 4343.	1.2	51
8	Inhibitor effect of succinic acid on the corrosion resistance of mild steel: electrochemical, gravimetric and optical microscopic studies. Materials Chemistry and Physics, 2004, 83, 124-128.	2.0	49
9	Physicochemical aspects behind the size of biodegradable polymeric nanoparticles: A step forward. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 1092-1102.	2.3	49
10	Antimicrobial activity of nano-sized silver colloids stabilized by nitrogen-containing polymers: the key influence of the polymer capping. RSC Advances, 2018, 8, 10873-10882.	1.7	37
11	Self-Assembly of Amphiphilic Glycoconjugates into Lectin-Adhesive Nanoparticles. Langmuir, 2012, 28, 1418-1426.	1.6	36
12	Self-assembly of biodegradable copolyester and reactive HPMA-based polymers into nanoparticles as an alternative stealth drug delivery system. Soft Matter, 2012, 8, 9563.	1.2	35
13	Direct synthesis of coated gold nanoparticles mediated by polymers with amino groups. Journal of Colloid and Interface Science, 2013, 397, 114-121.	5.0	34
14	pH-responsive polymersome-mediated delivery of doxorubicin into tumor sites enhances the therapeutic efficacy and reduces cardiotoxic effects. Journal of Controlled Release, 2021, 332, 529-538.	4.8	32
15	Reactive Oxygen Species (ROS)-Responsive Polymersomes with Site-Specific Chemotherapeutic Delivery into Tumors via Spacer Design Chemistry. Biomacromolecules, 2020, 21, 1437-1449.	2.6	29
16	Light scattering evidence of selective protein fouling on biocompatible block copolymer micelles. Nanoscale, 2012, 4, 4504.	2.8	27
17	Effect of electrolytic ZrO2 coatings on the breakdown potential of NiTi wires used as endovascular implants. Materials Letters, 2005, 59, 754-758.	1.3	26
18	Understanding the Structural Parameters of Biocompatible Nanoparticles Dictating Protein Fouling. Langmuir, 2014, 30, 9770-9779.	1.6	25

#	Article	IF	Citations
19	Nanoparticleâ€“Cell Interactions: Surface Chemistry Effects on the Cellular Uptake of Biocompatible Block Copolymer Assemblies. Langmuir, 2018, 34, 2180-2188.	1.6	24
20	Self-assembled carbohydrate-based micelles for lectin targeting. Soft Matter, 2011, 7, 3453.	1.2	23
21	Effects of Gold Salt Speciation and Structure of Human and Bovine Serum Albumins on the Synthesis and Stability of Gold Nanostructures. Frontiers in Chemistry, 2016, 4, 13.	1.8	22
22	Synthesis of 3,5-Disubstituted Isoxazolines as a Template for Liquid-Crystalline Polymers. Polymer Bulletin, 2006, 56, 549-561.	1.7	19
23	Cubic to Hexagonal Phase Transition Induced by Electric Field. Macromolecules, 2010, 43, 4261-4267.	2.2	19
24	Supramolecular complexes formed by the association of poly(ethyleneimine) (PEI), sodium cholate (NaC) and sodium dodecyl sulfate (SDS). Journal of the Brazilian Chemical Society, 2011, 22, 1539-1548.	0.6	19
25	Behavior of a Co-Cr-Mo biomaterial in simulated body fluid solutions studied by electrochemical and surface analysis techniques. Journal of the Brazilian Chemical Society, 2004, 15, 541-547.	0.6	19
26	Investigation of self-association between new glycosurfactant N -acetyl-Î²- d -glucosaminyl-PEG-docosanate and soybean phosphatidylcholine into vesicles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 467, 166-172.	2.3	18
27	Microfluidic-Assisted Engineering of Quasi-Monodisperse pH-Responsive Polymersomes toward Advanced Platforms for the Intracellular Delivery of Hydrophilic Therapeutics. Langmuir, 2019, 35, 8363-8372.	1.6	18
28	Electrochemistry of vitamin E hydro-alcoholic solutions. Journal of the Brazilian Chemical Society, 2004, 15, 748-755.	0.6	17
29	Block Copolymer Solutions under External Electric Field: Dynamic Behavior Monitored by Light Scattering. Macromolecules, 2008, 41, 2677-2682.	2.2	17
30	Internal Structural Characterization of Triblock Copolymer Micelles with Looped Corona Chains. Langmuir, 2009, 25, 3487-3493.	1.6	17
31	Biodegradable nanoparticles as nanomedicines: are drug-loading content and release mechanism dictated by particle density?. Colloid and Polymer Science, 2017, 295, 1271-1280.	1.0	17
32	Gene Transfection Mediated by Catiomers Requires Free Highly Charged Polymer Chains To Overcome Intracellular Barriers. Biomacromolecules, 2017, 18, 1918-1927.	2.6	17
33	Interaction of poly(4-vinylpyridine) with copper surfaces: electrochemical, thermal and spectroscopic studies. Journal of the Brazilian Chemical Society, 2004, 15, 818-824.	0.6	16
34	In vivo human electrochemical properties of a NiTiâ€based alloy (Nitinol) used for minimally invasive implants. Journal of Biomedical Materials Research - Part A, 2009, 89A, 1072-1078.	2.1	16
35	The Protein Corona Conundrum: Exploring the Advantages and Drawbacks of its Presence around Amphiphilic Nanoparticles. Bioconjugate Chemistry, 2020, 31, 2638-2647.	1.8	16
36	Sonochemical route for mesoporous silica-coated magnetic nanoparticles towards pH-triggered drug delivery system. Journal of Materials Research and Technology, 2021, 15, 52-67.	2.6	16

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37	Efficient Condensation of DNA into Environmentally Responsive Polyplexes Produced from Block Catiomers Carrying Amine or Diamine Groups. Langmuir, 2016, 32, 577-586.	1.6	15
38	Probing protein adsorption onto polymer-stabilized silver nanocolloids towards a better understanding on the evolution and consequences of biomolecular coronas. Materials Science and Engineering C, 2020, 111, 110850.	3.8	15
39	The effect of oxalic acid on the corrosion of carbon steel. Anti-Corrosion Methods and Materials, 2004, 51, 105-111.	0.6	14
40	Synthesis, micellization and lectin binding of new glycosurfactants. Carbohydrate Research, 2014, 397, 31-36.	1.1	14
41	Elucidating Bauhinia variegata lectin/phosphatidylcholine interactions in lectin-containing liposomes. Journal of Colloid and Interface Science, 2018, 519, 232-241.	5.0	14
42	One-pot synthesis of sugar-decorated gold nanoparticles with reduced cytotoxicity and enhanced cellular uptake. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 580, 123690.	2.3	14
43	Outstanding protein-repellent feature of soft nanoparticles based on poly(N-(2-hydroxypropyl)) Tj ETQq1 1 0.784314 rgBT /Overlock 10	5.0	14
44	Evidences of amylose coil-to-helix transition in stored dilute solutions. Polymer, 2008, 49, 4386-4392.	1.8	13
45	Structural changes on polymeric nanoparticles induced by hydrophobic drug entrapment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 538, 238-249.	2.3	13
46	Proton transfer in fluorescent secondary amines: synthesis, photophysics, theoretical calculation and preparation of photoactive phosphatidylcholine-based liposomes. Photochemical and Photobiological Sciences, 2019, 18, 1171-1184.	1.6	13
47	Soft Matter Assemblies as Nanomedicine Platforms for Cancer Chemotherapy: A Journey from Market Products Towards Novel Approaches. Current Topics in Medicinal Chemistry, 2015, 15, 328-344.	1.0	13
48	Easy access to 19 F-labeled nanoparticles for use as MRI contrast probes via self-assembly of fluorinated copolymers synthesized by sequential RAFT polymerization. Journal of Fluorine Chemistry, 2014, 168, 251-259.	0.9	12
49	Self-assembled carbohydrate-based vesicles for lectin targeting. Colloids and Surfaces B: Biointerfaces, 2016, 148, 12-18.	2.5	12
50	Polyglycidol-Stabilized Nanoparticles as a Promising Alternative to Nanoparticle PEGylation: Polymer Synthesis and Protein Fouling Considerations. Langmuir, 2020, 36, 1266-1278.	1.6	12
51	Properties of potentiostatic passive films grown on iron electrodes immersed in weakâ€alkaline phosphate solutions. Anti-Corrosion Methods and Materials, 2006, 53, 232-239.	0.6	11
52	Influence of Structural Features on the Cellular Uptake Behavior of Non-Targeted Polyester-Based Nanocarriers. Macromolecular Bioscience, 2016, 16, 1643-1652.	2.1	9
53	Sweet Vector for Gene Delivery: the Sugar Decoration of Polyplexes Reduces Cytotoxicity with a Balanced Effect on Gene Expression. Macromolecular Bioscience, 2018, 18, 1700299.	2.1	9
54	Reduced cytotoxicity of nanomaterials driven by nano-bio interactions: Case study of single protein coronas enveloping polymersomes. Colloids and Surfaces B: Biointerfaces, 2022, 213, 112387.	2.5	7

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55	Protective effect of poly(4-Vinylpyridine) containing surface films to the corrosion of copper. Journal of the Brazilian Chemical Society, 2005, 16, 9-16.	0.6	6
56	Current Designs of Polymeric Platforms Towards the Delivery of Nucleic Acids Inside the Cells with Focus on Polyethylenimine. Current Gene Therapy, 2021, 21, 431-451.	0.9	6
57	Preliminary evaluation of the encapsulation of new antidiabetic sulphonylhydrazone and antitumor N-acylhydrazone derivatives using PLGA nanoparticles. Journal of Physics: Conference Series, 2015, 617, 012015.	0.3	5
58	Sweetness Reduces Cytotoxicity and Enables Faster Cellular Uptake of Sub-30 nm Amphiphilic Nanoparticles. Langmuir, 2019, 35, 8060-8067.	1.6	5
59	Engineering of pH-triggered nanoplatforms based on novel poly(2-methyl-2-oxazoline)-b-poly[2-(diisopropylamino)ethyl methacrylate] diblock copolymers with tunable morphologies for biomedical applications. Polymer Chemistry, 2021, 12, 2868-2880.	1.9	5
60	Evidence of protein coronas around soft nanoparticles regardless of the chemical nature of the outer surface: structural features and biological consequences. Journal of Materials Chemistry B, 2021, 9, 2073-2083.	2.9	5
61	Ready-to-use room temperature one-pot synthesis of surface-decorated gold nanoparticles with targeting attributes. Journal of Colloid and Interface Science, 2022, 614, 489-501.	5.0	5
62	Microstructure and surface composition effects on the transpassivation of NiTi wires for implant purposes. Journal of the Brazilian Chemical Society, 2005, 16, .	0.6	4
63	Dynamics of PMMAâˆ’PHSA Hard Spheres under External Electric Field at Low Temperatures: a Singular Dynamic Light Scattering Experiment. Macromolecules, 2009, 42, 3818-3822.	2.2	4
64	Structure of Micelles Formed by Highly Asymmetric Polystyrene-b-Polydimethylsiloxane and Polystyrene-b-poly[5-(N,N-diethylamino)isoprene] Diblock Copolymers. Langmuir, 2010, 26, 14494-14501.	1.6	4
65	Microfluidic-assisted synthesis of uniform polymer-stabilized silver colloids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126438.	2.3	4
66	Synthesis of new monodendrons, gallic acid derivatives, self- assembled in a columnar phase. Liquid Crystals, 2015, , 1-13.	0.9	3
67	Nano-Sized Silver Colloids Produced and Stabilized by Amino-Functionalized Polymers: Polymer Structure-Nanoparticle Features and Polymer StructureGrowth Kinetics Relationships. Journal of the Brazilian Chemical Society, 2016, , .	0.6	3
68	Dynamic behavior of PMMA-PHSA hard spheres suspensions under external electric field. Macromolecular Symposia, 2006, 245-246, 457-462.	0.4	2
69	New glycosylated conjugate copolymer N-acetyl-Î²-d-glucosaminyl-pluronic: Synthesis, self-assembly and biological assays. Colloids and Surfaces B: Biointerfaces, 2015, 133, 323-330.	2.5	2
70	Study on the Application of Electric Field to Giant Vesicles Comprised of 1,2-Dilauroyl-Sn-Glycero-3-Phosphatidylcholine Using Optical Fluorescence Microscopy. Materials Research, 2017, 20, 34-38.	0.6	2
71	O Papel de ParÃ¢metros Estruturais na InternalizaÃ§Ã£o Celular de Sistemas PolimÃ©ricos Nanoestruturados. , 0, , .		0