

Miguel Jafelicci

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

126
papers

2,008
citations

23
h-index

40
g-index

131
ext. papers

2,209
ext. citations

3.7
avg, IF

4.68
L-index

#	Paper	IF	Citations
126	Rhamnolipids as Green Stabilizers of nZVI and Application in the Removal of Nitrate From Simulated Groundwater.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 794460	5.8	0
125	A long-term controlled drug-delivery with anionic beta cyclodextrin complex in layer-by-layer coating for percutaneous implants devices. <i>Carbohydrate Polymers</i> , 2021 , 257, 117604	10.3	9
124	Magnetic Graphene Oxide as a Carrier for Lipases Immobilization: An Approach for Hydrolysis of Olive Oil Emulsion. <i>ECS Journal of Solid State Science and Technology</i> , 2021 , 10, 065008	2	0
123	Evaluation of antiplasmodial activity and cytotoxicity assays of amino acids functionalized magnetite nanoparticles: Hyperthermia and flow cytometry applications. <i>Materials Science and Engineering C</i> , 2021 , 125, 112097	8.3	4
122	Colloidal stability study of Fe ₃ O ₄ -based nanofluids in water and ethylene glycol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 146, 509-520	4.1	3
121	Gelatin/dextran-based hydrogel cross-linked by Diels-Alder click chemistry: the swelling and potassium diclofenac releasing. <i>Medical Devices & Sensors</i> , 2021 , 4, e10151	1.6	1
120	Synthesis of core@shell nanoparticles functionalized with folic acid-modified PCL-co-PEGMA copolymer for methotrexate delivery. <i>Nano Structures Nano Objects</i> , 2021 , 25, 100675	5.6	4
119	Drug Delivery and Magnetic Hyperthermia Based on Surface Engineering of Magnetic Nanoparticles 2021 , 231-249		1
118	Silver nanoparticles stabilized by rhamnolipids: Effect of pH. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 205, 111883	6	6
117	Surface engineering of magnetic nanoparticles for hyperthermia and drug delivery. <i>Medical Devices & Sensors</i> , 2020 , 3, e10100	1.6	3
116	Aqueous Nanofluids based on Thioglycolic acid-coated copper sulfide nanoparticles for heat-exchange applications. <i>Journal of Molecular Liquids</i> , 2020 , 313, 113391	6	7
115	Protein-Silica Hybrid Submicron Particles: Preparation and Characterization. <i>Chemistry Africa</i> , 2020 , 3, 793-801	2.2	7
114	PEGlatyon-SPION surface functionalization with folic acid for magnetic hyperthermia applications. <i>Materials Research Express</i> , 2020 , 7, 015078	1.7	16
113	Synthesis and characterization of magnetic cross-linked enzyme aggregate and its evaluation of the alternating magnetic field (AMF) effects in the catalytic activity. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 516, 167326	2.8	5
112	Structured Magnetic Core/Silica Internal Shell Layer and Protein Out Layer Shell (BSA@SiO ₂ @SME): Preparation and Characterization. <i>Chemistry Africa</i> , 2020 , 3, 127-134	2.2	8
111	Sol-gel based calcium phosphates coating deposited on Co-Cr-Ni-Mo alloys modified by laser beam irradiation for cardiovascular devices. <i>Materials Today: Proceedings</i> , 2019 , 14, 663-670	1.4	0
110	Esterification influence in thermosensitive behavior of copolymers PNIPAm-co-PAA and PNVCL-co-PAA in magnetic nanoparticles surface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 575, 18-26	5.1	8

109	Synthesis and colloidal characterization of folic acid-modified PEG-b-PCL Micelles for methotrexate delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 177, 228-234	6	29
108	The influence of pH, hydrolysis and degree of substitution on the temperature-sensitive properties of polyaspartamides. <i>Polymer International</i> , 2019 , 68, 88-93	3.3	7
107	Magnetic cross-linked enzyme aggregates (MCLEAs) applied to biomass conversion. <i>Journal of Solid State Chemistry</i> , 2019 , 270, 58-70	3.3	12
106	Submicron silica shell-magnetic core preparation and characterization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 537, 318-324	5.1	10
105	EDTA-functionalized Fe ₃ O ₄ nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 113, 5-10	3.9	32
104	Effect of the combination of several irrigants on dentine surface properties, adsorption of chlorhexidine and adhesion of microorganisms to dentine. <i>International Endodontic Journal</i> , 2018 , 51, 1420-1433	5.4	12
103	A simple electrochemical method to monitor an azo dye reaction with a liver protein. <i>Analytical Biochemistry</i> , 2018 , 553, 46-53	3.1	3
102	The Influence of Zinco on Bone Repair: A Literature Review. <i>Revista Virtual De Quimica</i> , 2018 , 10, 474-486.	3	2
101	Magnetic nanoparticles as a support for a copper (II) complex with nuclease activity. <i>Journal of Inorganic Biochemistry</i> , 2018 , 186, 294-300	4.2	3
100	mPEG-co-PCL nanoparticles: The influence of hydrophobic segment on methotrexate drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 555, 142-149	5.1	18
99	Surface functionalization of magnetite nanoparticle: A new approach using condensation of alkoxysilanes. <i>Physica B: Condensed Matter</i> , 2017 , 521, 141-147	2.8	8
98	pH-responsive poly(aspartic acid) hydrogel-coated magnetite nanoparticles for biomedical applications. <i>Materials Science and Engineering C</i> , 2017 , 77, 366-373	8.3	38
97	Effect of titanium and zirconia dental implant abutments on a cultivable polymicrobial saliva community. <i>Journal of Prosthetic Dentistry</i> , 2017 , 118, 481-487	4	18
96	Aqueous Nanofluids Based on Copper MPA: Synthesis and Characterization. <i>Materials Research</i> , 2017 , 20, 104-110	1.5	6
95	Analyses of Biofilm on Implant Abutment Surfaces Coating with Diamond-Like Carbon and Biocompatibility. <i>Brazilian Dental Journal</i> , 2017 , 28, 317-323	1.9	10
94	Magnetic nanohydrogel obtained by miniemulsion polymerization of poly(acrylic acid) grafted onto derivatized dextran. <i>Carbohydrate Polymers</i> , 2017 , 178, 378-385	10.3	11
93	Impact of Physical Chemical Characteristics of Abutment Implant Surfaces on Bacteria Adhesion. <i>Journal of Oral Implantology</i> , 2016 , 42, 153-8	1.2	28
92	Organophosphate-degrading metallohydrolases: Structure and function of potent catalysts for applications in bioremediation. <i>Coordination Chemistry Reviews</i> , 2016 , 317, 122-131	23.2	67

91	Magnetic Nanoparticles Surface Modified with Biodegradable Polymers for Controlled Methotrexate Delivery in Cancer Therapy. <i>Journal of Nanopharmaceutics and Drug Delivery</i> , 2016 , 3, 77-84		5
90	Influence of synthesis experimental parameters on the formation of magnetite nanoparticles prepared by polyol method. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2016 , 7, 015014	1.6	16
89	Magnetic Nanoparticles Obtained by Homogeneous Coprecipitation Sonochemically Assisted. <i>Materials Research</i> , 2015 , 18, 220-224	1.5	17
88	Easily handling penicillin G acylase magnetic cross-linked enzymes aggregates: Catalytic and morphological studies. <i>Process Biochemistry</i> , 2014 , 49, 38-46	4.8	34
87	Characterization of tetraethylene glycol passivated iron nanoparticles. <i>Applied Surface Science</i> , 2014 , 315, 337-345	6.7	9
86	Wettability of chlorhexidine treated non-cariou and caries-affected dentine. <i>Australian Dental Journal</i> , 2014 , 59, 37-42	2.3	12
85	PEGylation of SPIONs by polycondensation reactions: a new strategy to improve colloidal stability in biological media. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	13
84	Wettability of polymers by aqueous solution of binary surfactants mixture with regard to adhesion in polymer solution system – correlation between the adsorption of surfactants mixture and contact angle. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 45, 98-105	3.4	9
83	Synthesis and functionalization of magnetite nanoparticles with different amino-functional alkoxy silanes. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 534-539	2.8	185
82	Synthesis of a functionalized europium complex and deposition of luminescent Langmuir-Blodgett (LB) films. <i>New Journal of Chemistry</i> , 2012 , 36, 1978	3.6	18
81	Geochemical Assessment of a Subtropical Reservoir: A Case Study in Curitiba, Southern Brazil. <i>Clean - Soil, Air, Water</i> , 2012 , 40, 364-372	1.6	2
80	Bulk and high-energy ball-milled Gd ₅ Si ₂ Ge ₂ : Comparative study of magnetic and magnetocaloric properties. <i>Solid State Sciences</i> , 2011 , 13, 209-215	3.4	14
79	Formation Mechanism via a Heterocoagulation Approach of FePt Nanoparticles Using the Modified Polyol Process. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10475-10482	3.8	24
78	Rhamnolipid emulsifying activity and emulsion stability: pH rules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 85, 301-5	6	76
77	Wettability of Aqueous Rhamnolipids Solutions Produced by Pseudomonas aeruginosa LBI. <i>Journal of Surfactants and Detergents</i> , 2009 , 12, 125-130	1.9	9
76	New phosphinate ligand synthesis and its effect on optical properties of the europium Ediketonate complex. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, S42-S45		
75	Structural phase transition study of FePt alloys using ab initio calculation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 521-522, 167-168	5.3	6
74	Langmuir-Blodgett films incorporating an ionic europium complex. <i>Journal of Alloys and Compounds</i> , 2009 , 488, 595-598	5.7	5

73	Iron Oxide Versus Fe ₅₅ Pt ₄₅ /Fe ₃ O ₄ : Improved Magnetic Properties of Core/Shell Nanoparticles for Biomedical Applications. <i>IEEE Transactions on Magnetics</i> , 2008 , 44, 4448-4451	2.1	20
72	Synthesis and Electrochemical Behavior of Single-Crystal Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 5301-5306	3.8	22
71	Spherical particles of phenolic resin treated with iron oxide. <i>Journal of Materials Science</i> , 2008 , 43, 3638-3642	1	1
70	Cr ³⁺ and Cr ⁴⁺ luminescence in glass ceramic silica. <i>Journal of Luminescence</i> , 2008 , 128, 1787-1790	3.8	15
69	Wettability of cotton fabric by aqueous solutions of surfactants with different structures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007 , 292, 236-245	5.1	39
68	Temperature dependence and magnetocrystalline anisotropy studies of self-assembled L10-Fe ₅₅ Pt ₄₅ ferromagnetic nanocrystals. <i>Journal of Applied Physics</i> , 2007 , 101, 123918	2.5	13
67	Self-assembled FePt nanocrystals with large coercivity: reduction of the fcc-to-L1(0) ordering temperature. <i>Journal of the American Chemical Society</i> , 2006 , 128, 11062-6	16.4	71
66	A new Ediketone complex with high color purity. <i>Journal of Alloys and Compounds</i> , 2006 , 418, 222-225	5.7	26
65	Effects of organic and inorganic additives on flotation recovery of washed cells of <i>Saccharomyces cerevisiae</i> resuspended in water. <i>Colloids and Surfaces B: Biointerfaces</i> , 2006 , 48, 77-83	6	11
64	Electroluminescence of a device based on europium Ediketonate with phosphine oxide complex. <i>Thin Solid Films</i> , 2006 , 515, 927-931	2.2	24
63	The change in magnetic properties of Fe ₃ Al compound due to substitution of Fe by Co. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 769-770	2.8	7
62	Magnetic properties of acicular Fe _{1-x} RE _x (RE = Nd, Sm, Eu, Tb; x = 0, 0.05, 0.10) metallic nanoparticles. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 112, 188-193	3.1	12
61	GCHF basis sets and their application in the electronic structure study of PrMnO ₃ . <i>Computational and Theoretical Chemistry</i> , 2004 , 668, 113-117		2
60	Contactless measurement of colossal magnetoresistance in La _{1-x} Sr _x MnO ₃ using the infrared magnetorefractive effect. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1740-1741	2.8	21
59	Solvothermal method to obtain europium-doped yttrium oxide. <i>Journal of Solid State Chemistry</i> , 2003 , 171, 268-272	3.3	54
58	Development of basis sets to calculations of the electronic structure of YMnO ₃ . <i>Computational and Theoretical Chemistry</i> , 2003 , 629, 21-26		6
57	Gaussian basis sets to the theoretical study of the electronic structure of perovskite (LaMnO ₃). <i>Computational and Theoretical Chemistry</i> , 2003 , 631, 93-99		14
56	Design of Gaussian basis sets to the theoretical interpretation of IR-spectrum of hexaaquachromium (III) ion, tetraoxochromium (IV) ion, and tetraoxochromium (VI) ion. <i>Computational and Theoretical Chemistry</i> , 2003 , 633, 83-92		1

55	Porous Silica Matrix Obtained from Pyrex Glass by Hydrothermal Treatment: Characterization and Nature of the Porosity. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 1196-1201	3.8	20
54	Nanoparticle synthesis of La/sub 1-x/Sr/sub x/MnO/sub 3/ (0.1, 0.2 and 0.3) perovskites. <i>IEEE Transactions on Magnetism</i> , 2002 , 38, 2892-2894	2	10
53	Yttrium iron garnet heterocoagulated by silica. <i>IEEE Transactions on Magnetism</i> , 2002 , 38, 2625-2627	2	2
52	X-ray powder data and bond valence of La _{0.65} Sr _{0.35} MnO ₃ after Rietveld refinement. <i>Powder Diffraction</i> , 2002 , 17, 149-152	1.8	10
51	Magnetic properties of acicular ultrafine iron particles. <i>IEEE Transactions on Magnetism</i> , 2002 , 38, 1907-1909	17	
50	Monodispersed spindle-type goethite nanoparticles from Fe(III) solutions. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3649-3653		39
49	Structural and magnetic transformation of monodispersed iron oxide particles in a reducing atmosphere. <i>Journal of Applied Physics</i> , 2002 , 92, 2079-2085	2.5	52
48	Europium(III)-containing zinc oxide from Pechini method. <i>Journal of Alloys and Compounds</i> , 2002 , 344, 280-284	5.7	86
47	Red and blue emissions of europium doped gadolinium silicate from porous silica matrix and hydroxide carbonate with spherical shaped particles. <i>Journal of Alloys and Compounds</i> , 2002 , 344, 308-317	5.7	5
46	Time-resolved spectroscopy studies of Gd ₂ SiO ₅ :Ce ³⁺ from spherical particles. <i>Journal of Alloys and Compounds</i> , 2002 , 344, 323-326	5.7	16
45	Estudo de alguns efeitos na precipitação de partículas esféricas de sílica via microemulsão inversa. <i>Eletica Quimica</i> , 2002 , 27, 329-351	2.6	
44	Obtenção da fase perovskita via microemulsão. <i>Eletica Quimica</i> , 2002 , 27, 125-139	2.6	
43	Luminescence of Eu(III) β-diketone complex supported on functionalized macroporous silica matrix. <i>Solid State Sciences</i> , 2001 , 3, 755-762		26
42	Luminescent properties and lattice defects correlation on zinc oxide. <i>Solid State Sciences</i> , 2001 , 3, 749-754		208
41	Thermal decomposition and rehydration of strontium oxalate: morphological evolution. <i>Solid State Sciences</i> , 2001 , 3, 443-452		28
40	Phase separation in pyrex glass by hydrothermal treatment: evidence from micro-Raman spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2001 , 284, 49-54	3.9	30
39	Study of crystallite size and strain as a function of morphological evolution in zinc oxide powder obtained from hydroxycarbonate precursor. <i>Powder Diffraction</i> , 2001 , 16, 153-159	1.8	5
38	O efeito do ultra-som em reações químicas. <i>Quimica Nova</i> , 2000 , 23, 251-256	1.6	19

37	Morfologia e cristalinidade de hidroxicarbonato de zinco obtido via precipitaçã homogênea: influência dos ânions cloreto e nitrato. <i>Quimica Nova</i> , 2000 , 23, 627-631	1.6	6
36	Effects of Different Treatments on Purity of Silica from Soluble Sodium Silicate. <i>Separation Science and Technology</i> , 2000 , 35, 287-298	2.5	6
35	Chromium-containing silica materials. <i>Journal of Non-Crystalline Solids</i> , 2000 , 273, 36-40	3.9	2
34	Partículas nanométricas de ferritas de ferro. <i>Quimica Nova</i> , 1999 , 22, 783-786	1.6	4
33	Thermal and Crystallographic Studies of Mixture La ₂ O ₃ -SrO Prepared Via Reaction in the Solid State. <i>Magyar Árvad Kémlelyek</i> , 1999 , 56, 143-149	0	6
32	Ab initio study of high tridymite by the formalism generator coordinate Hartree-Fock. <i>Computational and Theoretical Chemistry</i> , 1999 , 464, 15-21		9
31	Hollow silica particles from microemulsion. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 98-102	3.9	65
30	Investigation of the systems silica and silica containing chromium in alcohol medium. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 141-145	3.9	13
29	Morphology of alumina: a comparison between infrared spectroscopy and X-ray diffractometry. <i>Journal of Non-Crystalline Solids</i> , 1999 , 247, 227-231	3.9	1
28	Preparation and Properties of Colloidal Particles. Silica on Yttrium Iron Garnet. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 581, 21		
27	Colloidal Particles: Spherical Yttrium Iron Garnet. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 517, 583		1
26	Adaptações em forno de microondas doméstico para utilização em laboratório. <i>Quimica Nova</i> , 1997 , 20, 89-92	1.6	8
25	Silica Morphology Characterized by SEM. The Effects of the Solvent Treatment and the Drying Process. <i>Journal of the Brazilian Chemical Society</i> , 1995 , 6, 337-341	1.5	6
24	Hydrothermal treatment of gadolinium oxide in presence of silica. <i>High Pressure Research</i> , 1994 , 12, 353-360		1
23	Spherical Particles of Pure and Manganese Doped Zinc Oxide and Zinc Hydroxycarbonate. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 372, 69		2
22	Iron hydrous oxide isopropanolic gel. Solvothermal treatment. <i>High Pressure Research</i> , 1991 , 7, 300-302	1.6	
21	Characterization of the colloidal products of pentacarbonyliron oxidation. <i>Colloids and Surfaces</i> , 1987 , 23, 69-81		2
20	Preparation and characterization of monodisperse iron (III) hydroxide aqueous ethanolic sols. <i>Journal of Colloid and Interface Science</i> , 1981 , 84, 278-280	9.3	12

19	Adsorption of small, positive particles onto large, negative particles in the presence of polymer. Part 2. Adsorption equilibrium and kinetics as a function of temperature. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1980 , 76, 674	53
18	Phase Behaviour of Concentrated Surfactant Systems67-96	2
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1 Silver nanoparticles effect on drug release of metronidazole in natural rubber latex dressing. *Polymer Bulletin*,1 2.4 ○