

# Miguel Jafelicci

## List of Publications by Year in descending order

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130  
papers

2,451  
citations

236612

25  
h-index

243296

44  
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131  
all docs

131  
docs citations

131  
times ranked

3779  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanoparticles effect on drug release of metronidazole in natural rubber latex dressing. <i>Polymer Bulletin</i> , 2022, 79, 9957-9973.	1.7	2
2	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.	2.0	6
3	Colloidal stability study of Fe <sub>3</sub> O <sub>4</sub> -based nanofluids in water and ethylene glycol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 509-520.	2.0	5
4	Gelatin/dextran-based hydrogel cross-linked by Diels-Alder click chemistry: the swelling and potassium diclofenac releasing. <i>Medical Devices &amp; Sensors</i> , 2021, 4, e10151.	2.7	6
5	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.	1.9	7
6	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.	5.1	27
7	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.	0.9	2
8	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.	3.8	10
9	Silver nanoparticles stabilized by rhamnolipids: Effect of pH. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 205, 111883.	2.5	20
10	Structured Magnetic Core/Silica Internal Shell Layer and Protein Out Layer Shell (BSA@SiO <sub>2</sub> @SME): Preparation and Characterization. <i>Chemistry Africa</i> , 2020, 3, 127-134.	1.2	12
11	PEGlatyon-SPION surface functionalization with folic acid for magnetic hyperthermia applications. <i>Materials Research Express</i> , 2020, 7, 015078.	0.8	24
12	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.	1.0	12
13	Surface engineering of magnetic nanoparticles for hyperthermia and drug delivery. <i>Medical Devices &amp; Sensors</i> , 2020, 3, e10100.	2.7	5
14	Aqueous Nanofluids based on Thioglycolic acid-coated copper sulfide nanoparticles for heat-exchange applications. <i>Journal of Molecular Liquids</i> , 2020, 313, 113391.	2.3	8
15	Protein-Silica Hybrid Submicron Particles: Preparation and Characterization. <i>Chemistry Africa</i> , 2020, 3, 793-801.	1.2	8
16	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.	0.9	1
17	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.	2.3	14
18	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.	2.5	43

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19	The influence of pH, hydrolysis and degree of substitution on the temperature-sensitive properties of polyaspartamides. <i>Polymer International</i> , 2019, 68, 88-93.	1.6	7
20	Magnetic cross-linked enzyme aggregates (MCLEAs) applied to biomass conversion. <i>Journal of Solid State Chemistry</i> , 2019, 270, 58-70.	1.4	16
21	Study of the colloidal stability and optical properties of sunscreen creams. <i>Eletica Quimica</i> , 2019, 44, 26.	0.2	5
22	Submicron silica shell-magnetic core preparation and characterization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 537, 318-324.	2.3	12
23	EDTA-functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 113, 5-10.	1.9	48
24	Magnetic nanoparticles as a support for a copper (II) complex with nuclease activity. <i>Journal of Inorganic Biochemistry</i> , 2018, 186, 294-300.	1.5	7
25	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.	2.3	29
26	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.	2.3	18
27	A simple electrochemical method to monitor an azo dye reaction with a liver protein. <i>Analytical Biochemistry</i> , 2018, 553, 46-53.	1.1	4
28	The Influence of Zinco on Bone Repair: A Literature Review. <i>Revista Virtual De Quimica</i> , 2018, 10, 474-486.	0.1	2
29	Water-Based Metallic Nickel Magnetic Fluids. <i>Journal of Nanofluids</i> , 2018, 7, 21-25.	1.4	1
30	Surface functionalization of magnetite nanoparticle: A new approach using condensation of alkoxy silanes. <i>Physica B: Condensed Matter</i> , 2017, 521, 141-147.	1.3	11
31	pH-responsive poly(aspartic acid) hydrogel-coated magnetite nanoparticles for biomedical applications. <i>Materials Science and Engineering C</i> , 2017, 77, 366-373.	3.8	50
32	Effect of titanium and zirconia dental implant abutments on a cultivable polymicrobial saliva community. <i>Journal of Prosthetic Dentistry</i> , 2017, 118, 481-487.	1.1	26
33	Magnetic nanohydrogel obtained by miniemulsion polymerization of poly(acrylic acid) grafted onto derivatized dextran. <i>Carbohydrate Polymers</i> , 2017, 178, 378-385.	5.1	11
34	Aqueous Nanofluids Based on Copper MPA: Synthesis and Characterization. <i>Materials Research</i> , 2017, 20, 104-110.	0.6	8
35	Analyses of Biofilm on Implant Abutment Surfaces Coating with Diamond-Like Carbon and Biocompatibility. <i>Brazilian Dental Journal</i> , 2017, 28, 317-323.	0.5	16
36	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.	0.7	21

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37	Organophosphate-degrading metallohydrolases: Structure and function of potent catalysts for applications in bioremediation. <i>Coordination Chemistry Reviews</i> , 2016, 317, 122-131.	9.5	83
38	Impact of Physical Chemical Characteristics of Abutment Implant Surfaces on Bacteria Adhesion. <i>Journal of Oral Implantology</i> , 2016, 42, 153-158.	0.4	38
39	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.	0.3	6
40	Sub-micrometric and nanometric solid phases obtained through reductive decomposition reaction of $\beta$ -cyclodextrin / $\beta$ -siklodekstrin indirgeyici bozunma reaksiyonu yoluyla elde edilen alt mikrometrik ve nanometrik katÄ± fazlar. <i>Turkish Journal of Biochemistry</i> , 2015, 40, .	0.3	0
41	Magnetic Nanoparticles Obtained by Homogeneous Coprecipitation Sonochemically Assisted. <i>Materials Research</i> , 2015, 18, 220-224.	0.6	21
42	Wettability of chlorhexidine treated nonâ€carious and cariesâ€affected dentine. <i>Australian Dental Journal</i> , 2014, 59, 37-42.	0.6	16
43	Easily handling penicillin G acylase magnetic cross-linked enzymes aggregates: Catalytic and morphological studies. <i>Process Biochemistry</i> , 2014, 49, 38-46.	1.8	38
44	Characterization of tetraethylene glycol passivated iron nanoparticles. <i>Applied Surface Science</i> , 2014, 315, 337-345.	3.1	10
45	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.	0.8	14
46	Wettability of polymers by aqueous solution of binary surfactants mixture with regard to adhesion in polymerâ€solution system lâ€Correlation between the adsorption of surfactants mixture and contact angle. <i>International Journal of Adhesion and Adhesives</i> , 2013, 45, 98-105.	1.4	11
47	Synthesis of a functionalized europium complex and deposition of luminescent Langmuirâ€Blodgett (LB) films. <i>New Journal of Chemistry</i> , 2012, 36, 1978.	1.4	21
48	Geochemical Assessment of a Subtropical Reservoir: A Case Study in Curitiba, Southern Brazil. <i>Clean - Soil, Air, Water</i> , 2012, 40, 364-372.	0.7	2
49	Synthesis and functionalization of magnetite nanoparticles with different amino-functional alkoxyxilanes. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 534-539.	1.0	218
50	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.	1.5	26
51	Bulk and high-energy ball-milled Gd <sub>5</sub> Si <sub>2</sub> Ge <sub>2</sub> : Comparative study of magnetic and magnetocaloric properties. <i>Solid State Sciences</i> , 2011, 13, 209-215.	1.5	15
52	Rhamnolipid emulsifying activity and emulsion stability: pH rules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 85, 301-305.	2.5	103
53	Wettability of Aqueous Rhamnolipids Solutions Produced by <i>Pseudomonas aeruginosa</i> LBI. <i>Journal of Surfactants and Detergents</i> , 2009, 12, 125-130.	1.0	13
54	New phosphinate ligand synthesis and its effect on optical properties of the europium $\beta$ -diketonate complex. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, S42-S45.	0.8	0

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55	Structural phase transition study of FePt alloys using ab initio calculation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 521-522, 167-168.	2.6	8
56	Langmuir-Blodgett films incorporating an ionic europium complex. <i>Journal of Alloys and Compounds</i> , 2009, 488, 595-598.	2.8	6
57	Spherical particles of phenolic resin treated with iron oxide. <i>Journal of Materials Science</i> , 2008, 43, 3638-3642.	1.7	1
58	and luminescence in glass ceramic silica. <i>Journal of Luminescence</i> , 2008, 128, 1787-1790.	1.5	18
59	Iron Oxide Versus Fe <sub>55</sub> Pt <sub>45</sub> /Fe <sub>3</sub> O <sub>4</sub> : Improved Magnetic Properties of Core/Shell Nanoparticles for Biomedical Applications. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 4448-4451.	1.2	25
60	Synthesis and Electrochemical Behavior of Single-Crystal Magnetite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5301-5306.	1.5	23
61	Temperature dependence and magnetocrystalline anisotropy studies of self-assembled L10-Fe <sub>55</sub> Pt <sub>45</sub> ferromagnetic nanocrystals. <i>Journal of Applied Physics</i> , 2007, 101, 123918.	1.1	15
62	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.	2.3	44
63	Self-Assembled FePt Nanocrystals with Large Coercivity: Reduction of the fcc-to-L10 Ordering Temperature. <i>Journal of the American Chemical Society</i> , 2006, 128, 11062-11066.	6.6	76
64	A new $\beta^2$ -diketone complex with high color purity. <i>Journal of Alloys and Compounds</i> , 2006, 418, 222-225.	2.8	28
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.	2.5	13
66	Electroluminescence of a device based on europium $\beta^2$ -diketonate with phosphine oxide complex. <i>Thin Solid Films</i> , 2006, 515, 927-931.	0.8	25
67	The change in magnetic properties of Fe <sub>3</sub> Al compound due to substitution of Fe by Co. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 769-770.	1.0	10
68	Magnetic properties of acicular Fe <sub>1-x</sub> RE <sub>x</sub> (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.	1.7	14
69	GCHF basis sets and their application in the electronic structure study of PrMnO <sub>3</sub> . <i>Computational and Theoretical Chemistry</i> , 2004, 668, 113-117.	1.5	3
70	Contactless measurement of colossal magnetoresistance in La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> using the infrared magnetorefractive effect. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1740-1741.	1.0	24
71	Solvothermal method to obtain europium-doped yttrium oxide. <i>Journal of Solid State Chemistry</i> , 2003, 171, 268-272.	1.4	56
72	Development of basis sets to calculations of the electronic structure of YMnO <sub>3</sub> . <i>Computational and Theoretical Chemistry</i> , 2003, 629, 21-26.	1.5	7

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73	Gaussian basis sets to the theoretical study of the electronic structure of perovskite (LaMnO <sub>3</sub> ). Computational and Theoretical Chemistry, 2003, 631, 93-99.	1.5	15
74	Design of Gaussian basis sets to the theoretical interpretation of IR-spectrum of hexaaquachromium (III) ion, tetraoxochromium (IV) ion, and tetraoxochromium (VI) ion. Computational and Theoretical Chemistry, 2003, 633, 83-92.	1.5	2
75	Porous Silica Matrix Obtained from Pyrex Glass by Hydrothermal Treatment: Characterization and Nature of the Porosity. Journal of the American Ceramic Society, 2003, 86, 1196-1201.	1.9	21
76	Nanoparticle synthesis of La/sub 1-x/Sr/sub x/MnO/sub 3/ (0.1, 0.2 and 0.3) perovskites. IEEE Transactions on Magnetism, 2002, 38, 2892-2894.	1.2	10
77	Yttrium iron garnet heterocoagulated by silica. IEEE Transactions on Magnetism, 2002, 38, 2625-2627.	1.2	3
78	X-ray powder data and bond valence of La <sub>0.65</sub> Sr <sub>0.35</sub> MnO <sub>3</sub> after Rietveld refinement. Powder Diffraction, 2002, 17, 149-152.	0.4	14
79	Magnetic properties of acicular ultrafine iron particles. IEEE Transactions on Magnetism, 2002, 38, 1907-1909.	1.2	18
80	Monodispersed spindle-type goethite nanoparticles from FeIII solutions. Journal of Materials Chemistry, 2002, 12, 3649-3653.	6.7	46
81	Structural and magnetic transformation of monodispersed iron oxide particles in a reducing atmosphere. Journal of Applied Physics, 2002, 92, 2079-2085.	1.1	57
82	Europium(III)-containing zinc oxide from Pechini method. Journal of Alloys and Compounds, 2002, 344, 280-284.	2.8	94
83	Red and blue emissions of europium doped gadolinium silicate from porous silica matrix and hydroxide carbonate with spherical shaped particles. Journal of Alloys and Compounds, 2002, 344, 308-311.	2.8	6
84	Time-resolved spectroscopy studies of Gd <sub>2</sub> SiO <sub>5</sub> :Ce <sup>3+</sup> from spherical particles. Journal of Alloys and Compounds, 2002, 344, 323-326.	2.8	16
85	Química de materiais em 25 anos de SBQ. Química Nova, 2002, 25, 75.	0.3	0
86	Estudo de alguns efeitos na precipitação de partículas esféricas de sílica via microemulsão inversa. Eclética Química, 2002, 27, 329-351.	0.2	0
87	Obtenção da fase perovskita via microemulsão. Eclética Química, 2002, 27, 125-139.	0.2	0
88	Luminescence of Eu(III) $\beta^2$ -diketone complex supported on functionalized macroporous silica matrix. Solid State Sciences, 2001, 3, 755-762.	0.8	28
89	Luminescent properties and lattice defects correlation on zinc oxide. Solid State Sciences, 2001, 3, 749-754.	0.8	233
90	Thermal decomposition and rehydration of strontium oxalate: morphological evolution. Solid State Sciences, 2001, 3, 443-452.	0.8	28

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91	Phase separation in pyrex glass by hydrothermal treatment: evidence from micro-Raman spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2001, 284, 49-54.	1.5	32
92	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.	0.4	6
93	O efeito do ultra-som em reações químicas. <i>Quimica Nova</i> , 2000, 23, 251-256.	0.3	29
94	Morfologia e cristalinidade de hidroxicarbonato de zinco obtido via precipitação homogênea: influência dos ânions cloreto e nitrato. <i>Quimica Nova</i> , 2000, 23, 627-631.	0.3	7
95	Effects of Different Treatments on Purity of Silica from Soluble Sodium Silicate. <i>Separation Science and Technology</i> , 2000, 35, 287-298.	1.3	7
96	Chromium-containing silica materials. <i>Journal of Non-Crystalline Solids</i> , 2000, 273, 36-40.	1.5	2
97	Partículas nanométricas de ferritas de Átrio. <i>Quimica Nova</i> , 1999, 22, 783-786.	0.3	4
98	Thermal and Crystallographic Studies of Mixture La <sub>2</sub> O <sub>3</sub> -SrO Prepared Via Reaction in the Solid State. <i>Magyar Árvad Kémlemlenyek</i> , 1999, 56, 143-149.	1.4	7
99	Ab initio study of high tridymite by the formalism generator coordinate Hartree-Fock. <i>Computational and Theoretical Chemistry</i> , 1999, 464, 15-21.	1.5	10
100	Hollow silica particles from microemulsion. <i>Journal of Non-Crystalline Solids</i> , 1999, 247, 98-102.	1.5	74
101	Investigation of the systems silica and silica containing chromium in alcohol medium. <i>Journal of Non-Crystalline Solids</i> , 1999, 247, 141-145.	1.5	13
102	Morphology of alumina: a comparison between infrared spectroscopy and X-ray diffractometry. <i>Journal of Non-Crystalline Solids</i> , 1999, 247, 227-231.	1.5	1
103	Preparation and Properties of Colloidal Particles. Silica on Yttrium Iron Garnet. <i>Materials Research Society Symposia Proceedings</i> , 1999, 581, 21.	0.1	0
104	Colloidal Particles: Spherical Yttrium Iron Garnet. <i>Materials Research Society Symposia Proceedings</i> , 1998, 517, 583.	0.1	1
105	Adaptações em forno de microondas doméstico para utilização em laboratório. <i>Quimica Nova</i> , 1997, 20, 89-92.	0.3	8
106	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.	0.6	6
107	Hydrothermal treatment of gadolinium oxide in presence of silica. <i>High Pressure Research</i> , 1994, 12, 353-360.	0.4	1
108	Spherical Particles of Pure and Manganese Doped Zinc Oxide and Zinc Hydroxycarbonate. <i>Materials Research Society Symposia Proceedings</i> , 1994, 372, 69.	0.1	2

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109	Iron hydrous oxide isopropanolic gel. Solvothermal treatment. High Pressure Research, 1991, 7, 300-302.	0.4	0
110	Characterization of the colloidal products of pentacarbonyliron oxidation. Colloids and Surfaces, 1987, 23, 69-81.	0.9	3
111	Preparation and characterization of monodisperse iron (III) hydroxide aqueous ethanolic sols. Journal of Colloid and Interface Science, 1981, 84, 278-280.	5.0	14
112	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. Journal of the Chemical Society Faraday Transactions I, 1980, 76, 674.	1.0	56
113	Phase Behaviour of Concentrated Surfactant Systems. , 0, , 67-96.		2
114	Microemulsions. , 0, , 139-155.		4
115	Adsorption of Surfactants at Solid Surfaces. , 0, , 357-387.		0
116	Polymers in Solution. , 0, , 193-214.		3
117	Emulsions and Emulsifiers. , 0, , 451-471.		3
118	Regular Solution Theory. , 0, , 215-226.		0
119	Surfactant Micellization. , 0, , 39-66.		7
120	Interaction of Polymers with Surfaces. , 0, , 403-435.		1
121	Foaming of Surfactant Solutions. , 0, , 437-450.		2
122	Surface Tension and Adsorption at the Air-Water Interface. , 0, , 337-355.		1
123	Intermolecular Interactions. , 0, , 157-174.		2
124	Colloidal Forces. , 0, , 175-191.		2
125	Novel Surfactants. , 0, , 227-259.		2
126	Surface Active Polymers. , 0, , 261-276.		3



#	ARTICLE	IF	CITATIONS
127	Chemical Reactions in Microheterogeneous Systems. , 0 , 493-517.		2
128	Wetting and Wetting Agents, Hydrophobization and Hydrophobizing Agents. , 0 , 389-402.		2
129	Introduction to Surfactants. , 0 , 1-37.		0
130	The Influence of Different Ammonium Cations on the Optical Properties of Tetrakis GdIII and EuIII Complexes. Journal of the Brazilian Chemical Society, 0 , .	0.6	2