

Gabriel Feio

List of Publications by Year in descending order

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45
papers

1,020
citations

361045

20
h-index

433756

31
g-index

45
all docs

45
docs citations

45
times ranked

1392
citing authors

#	ARTICLE	IF	CITATIONS
1	Deuterium NMR Investigation of the Biaxial Nematic Phase in an Organosiloxane Tetrapode. <i>Physical Review Letters</i> , 2005, 94, 107802.	2.9	100
2	The influence of the preparation methods on the inclusion of model drugs in a β -cyclodextrin cavity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 377-386.	2.0	93
3	Novel polyoxometalate silica nano-sized spheres: efficient catalysts for olefin oxidation and the deep desulfurization process. <i>Dalton Transactions</i> , 2014, 43, 9518-9528.	1.6	72
4	Self-winding of helices in plant tendrils and cellulose liquid crystal fibers. <i>Soft Matter</i> , 2010, 6, 5965.	1.2	65
5	Biaxial nematic order and phase behavior studies in an organosiloxane tetrapode using complementary deuterium NMR experiments. <i>Physical Review E</i> , 2008, 78, 051702.	0.8	38
6	Synthesis and characterization of magnetoliposomes for MRI contrast enhancement. <i>International Journal of Pharmaceutics</i> , 2013, 446, 183-190.	2.6	36
7	Enhanced contrast efficiency in MRI by PEGylated magnetoliposomes loaded with PEGylated SPION: Effect of SPION coating and micro-environment. <i>Materials Science and Engineering C</i> , 2014, 43, 521-526.	3.8	33
8	Biaxial Nematic Mesophases from Shape-Persistent Mesogens with a Fluorenone Bending Unit. <i>Chemistry - A European Journal</i> , 2010, 16, 8275-8279.	1.7	30
9	The hardening of Portland cement studied by NMR stray-field imaging. <i>Journal Physics D: Applied Physics</i> , 1996, 29, 805-808.	1.3	29
10	Molecular mobility, composition and structure analysis in glycerol plasticised chitosan films. <i>Food Chemistry</i> , 2014, 144, 2-8.	4.2	29
11	^1H NMR Relaxometry, Viscometry, and PFG NMR Studies of Magnetic and Nonmagnetic Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11877-11884.	1.2	28
12	NMR water transverse relaxation time approach to understand storage stability of fresh-cut "Rocha" pear. <i>LWT - Food Science and Technology</i> , 2016, 74, 280-285.	2.5	28
13	Multinuclear NMR studies of lead(II) soaps II. ^{13}C and ^1H studies of solid and liquid-crystalline phases. <i>Liquid Crystals</i> , 1991, 9, 417-432.	0.9	26
14	Critical fluctuations and random-anisotropy glass transition in nematic elastomers. <i>Physical Review B</i> , 2008, 78, .	1.1	26
15	Europium Polyoxometalates Encapsulated in Silica Nanoparticles " Characterization and Photoluminescence Studies. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2877-2886.	1.0	26
16	Fresh-cut melon quality during storage: An NMR study of water transverse relaxation time. <i>Journal of Food Engineering</i> , 2015, 167, 71-76.	2.7	26
17	A cellulosic liquid crystal pool for cellulose nanocrystals: Structure and molecular dynamics at high shear rates. <i>European Polymer Journal</i> , 2015, 72, 72-81.	2.6	26
18	NMR Approach to the kinetics of polymer crystallization. II. Polydimethylsiloxane solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1989, 27, 1-24.	2.4	25

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19	Nuclear magnetic resonance spectroscopic investigations of phase biaxiality in the nematic glass of a shape-persistent V-shaped mesogen. <i>Journal of Chemical Physics</i> , 2010, 133, 174509.	1.2	24
20	New long circulating magnetoliposomes as contrast agents for detection of ischemiaâ€“reperfusion injuries by MRI. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 207-214.	1.7	22
21	High ionicity ionic liquids (HILLs): comparing the effect of ethylsulfonate and ethylsulfate anions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18138.	1.3	20
22	Water-Based Cellulose Liquid Crystal System Investigated by Rheo-NMR. <i>Macromolecules</i> , 2013, 46, 4296-4302.	2.2	20
23	¹³ C nuclear magnetic resonance studies of cellulose ester derivatives in solution, powder and membranes. <i>Polymer</i> , 1995, 36, 479-485.	1.8	18
24	NMR approach to the kinetics of polymer crystallization. 1. Cis-1,4-polybutadiene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1988, 26, 389-412.	2.4	17
25	Relaxivities of magnetoliposomes: The effect of cholesterol. <i>Magnetic Resonance Imaging</i> , 2013, 31, 610-612.	1.0	16
26	Therapeutic activity of superoxide dismutase-containing enzymosomes on rat liver ischaemia-reperfusion injury followed by magnetic resonance microscopy. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, 464-471.	1.9	16
27	ESR and NMR studies of sodium and rubidium loaded in NaY zeolite cavities. <i>The Journal of Physical Chemistry</i> , 1993, 97, 11855-11857.	2.9	15
28	Impact of cultivation of <i>Mastocarpus stellatus</i> in IMTA on the seaweeds chemistry and hybrid carrageenan properties. <i>Carbohydrate Polymers</i> , 2015, 116, 140-148.	5.1	15
29	Rheo-NMR study of water-based cellulose liquid crystal system at high shear rates. <i>Polymer</i> , 2015, 65, 18-25.	1.8	13
30	Deuterium NMR Investigation of the Influence of Molecular Structure on the Biaxial Ordering of Organosiloxane Tetrapodes Nematic Phase. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 495, 348/[700]-359/[711].	0.4	10
31	Deuterium NMR Study of Orientational Order in Cellulosic Network Microfibers. <i>Macromolecules</i> , 2010, 43, 5749-5755.	2.2	9
32	Release profile of ibuprofen in β -cyclodextrin complexes from two different solid dosage forms. <i>Powder Technology</i> , 2012, 221, 245-251.	2.1	9
33	Chiral amplification of disodium cromoglycate chromonics induced by a codeine derivative. <i>Soft Matter</i> , 2017, 13, 6810-6815.	1.2	9
34	Multinuclear nuclear magnetic resonance, studies of lead(II) soaps. Part 3.â€“Studies on the liquid phase with reference to the behaviour of the corresponding acids. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 3117-3122.	1.7	7
35	Rheo-Nmr and Numerical Study of the Nematodynamics in Cylindrical Couette Geometry. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 394, 63-75.	0.4	7
36	Deuterium NMR study of mobility and fluctuations in nematic and isotropic elastomers. <i>Journal of Chemical Physics</i> , 2009, 131, 074903.	1.2	7

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37	Proton NMR relaxation study of molecular dynamics of chromonic liquid crystal Edicol Sunset Yellow. <i>Liquid Crystals</i> , 2014, 41, 1080-1089.	0.9	7
38	Relationship between molecular mobility, microstructure and functional properties in chitosan/glycerol films. <i>Innovative Food Science and Emerging Technologies</i> , 2015, 28, 81-85.	2.7	6
39	Effects of polymer chain disentanglement on NMR properties. II. ^{13}C magnetic relaxation in polystyrene. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1984, 22, 957-978.	1.0	5
40	Collective Modes and Biaxial Ordering Observed by Deuterium NMR in the Nematic Phases of an Organosiloxane Tetrapode. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 510, 158/[1292]-174/[1308].	0.4	4
41	Correlation between High Power Proton T_1 NMR Relaxation and Macroscopic Viscoelastic Properties. <i>Materials Science Forum</i> , 2004, 455-456, 459-462.	0.3	3
42	Dynamical polymer coil overlap observed by NMR on polystyrene chains. <i>Polymer Bulletin</i> , 1981, 5, 277.	1.7	2
43	Influence of chain length of prepolymers in permanent memory effect of PDLC assessed by solid-state NMR. <i>Liquid Crystals</i> , 2020, 47, 522-530.	0.9	2
44	Formation of small Na and Na-M alloy (M=Cs, Rb) particles in nay zeolite;. <i>Studies in Surface Science and Catalysis</i> , 1995, 98, 136-137.	1.5	1
45	^1H NMR Study of Deformed Natural Rubber Networks. <i>Materials Science Forum</i> , 0, 587-588, 687-691.	0.3	0