

# 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  | 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         |
| 2  | 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        |
| 3  | Chiral amplification of disodium cromoglycate chromonics induced by a codeine derivative. <i>Soft Matter</i> , 2017, 13, 6810-6815.   | 1.2 | 9         |
| 4  | 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        |
| 5  | Rheo-NMR study of water-based cellulose liquid crystal system at high shear rates. <i>Polymer</i> , 2015, 65, 18-25.  | 1.8 | 13        |
| 6  | 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         |
| 7  | 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        |
| 8  | 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        |
| 9  | 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        |
| 10 | New long circulating magnetoliposomes as contrast agents for detection of ischemia"reperfusion injuries by MRI. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 207-214.                                   | 1.7 | 22        |
| 11 | 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         |
| 12 | Molecular mobility, composition and structure analysis in glycerol plasticised chitosan films. <i>Food Chemistry</i> , 2014, 144, 2-8.  | 4.2 | 29        |
| 13 | 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        |
| 14 | 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        |
| 15 | High ionicity ionic liquids (HILs): comparing the effect of ethylsulfonate and ethylsulfate anions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18138.   | 1.3 | 20        |
| 16 | <sup>1</sup> H 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        |
| 17 | Relaxivities of magnetoliposomes: The effect of cholesterol. <i>Magnetic Resonance Imaging</i> , 2013, 31, 610-612.   | 1.0 | 16        |
| 18 | Synthesis and characterization of magnetoliposomes for MRI contrast enhancement. <i>International Journal of Pharmaceutics</i> , 2013, 446, 183-190.  | 2.6 | 36        |

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|----|---|-----|-----------|
| 19 | Water-Based Cellulose Liquid Crystal System Investigated by Rheo-NMR. <i>Macromolecules</i> , 2013, 46, 4296-4302.  | 2.2 | 20        |
| 20 | Europium Polyoxometalates Encapsulated in Silica Nanoparticles – Characterization and Photoluminescence Studies. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2877-2886.                                | 1.0 | 26        |
| 21 | Release profile of ibuprofen in $\beta$ -cyclodextrin complexes from two different solid dosage forms. <i>Powder Technology</i> , 2012, 221, 245-251.   | 2.1 | 9         |
| 22 | 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        |
| 23 | 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        |
| 24 | Deuterium NMR Study of Orientational Order in Cellulosic Network Microfibers. <i>Macromolecules</i> , 2010, 43, 5749-5755.  | 2.2 | 9         |
| 25 | Self-winding of helices in plant tendrils and cellulose liquid crystal fibers. <i>Soft Matter</i> , 2010, 6, 5965.  | 1.2 | 65        |
| 26 | 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         |
| 27 | The influence of the preparation methods on the inclusion of model drugs in a $\beta$ -cyclodextrin cavity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 377-386.                          | 2.0 | 93        |
| 28 | Deuterium NMR study of mobility and fluctuations in nematic and isotropic elastomers. <i>Journal of Chemical Physics</i> , 2009, 131, 074903.   | 1.2 | 7         |
| 29 | Critical fluctuations and random-anisotropy glass transition in nematic elastomers. <i>Physical Review B</i> , 2008, 78, .  | 1.1 | 26        |
| 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 | 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        |
| 32 | Deuterium NMR Investigation of the Biaxial Nematic Phase in an Organosiloxane Tetrapode. <i>Physical Review Letters</i> , 2005, 94, 107802.   | 2.9 | 100       |
| 33 | Correlation between High Power Proton T <sub>1</sub> NMR Relaxation and Macroscopic Viscoelastic Properties. <i>Materials Science Forum</i> , 2004, 455-456, 459-462.   | 0.3 | 3         |
| 34 | 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         |
| 35 | 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        |
| 36 | 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         |

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|----|--|-----|-----------|
| 37 | <sup>13</sup> C nuclear magnetic resonance studies of cellulose ester derivatives in solution, powder and membranes. <i>Polymer</i> , 1995, 36, 479-485.   | 1.8 | 18        |
| 38 | Multinuclear nuclear magnetic resonance, studies of lead(II) soaps. Part 3. "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         |
| 39 | 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        |
| 40 | Multinuclear NMR studies of lead(II) soaps II. <sup>13</sup> C and <sup>1</sup> H studies of solid and liquid-crystalline phases. <i>Liquid Crystals</i> , 1991, 9, 417-432.   | 0.9 | 26        |
| 41 | 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        |
| 42 | 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        |
| 43 | Effects of polymer chain disentanglement on NMR properties. II. <sup>13</sup> C magnetic relaxation in polystyrene. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1984, 22, 957-978.  | 1.0 | 5         |
| 44 | Dynamical polymer coil overlap observed by NMR on polystyrene chains. <i>Polymer Bulletin</i> , 1981, 5, 277.  | 1.7 | 2         |
| 45 | <sup>2</sup> H NMR Study of Deformed Natural Rubber Networks. <i>Materials Science Forum</i> , 0, 587-588, 687-691.  | 0.3 | 0         |