Marco Geppi

List of Publications by Year
in descending order

78 papers	1,560 citations	331670 21 h-index	361022 35 g-index
80 all docs	80 docs citations	80 times ranked	1905 citing authors

#	Article	IF	Citations
1	Solidâ€State NMR Studies of Pharmaceutical Systems. Applied Spectroscopy Reviews, 2008, 43, 202-302.	6.7	152
2	Structural and Dynamic Properties of Amorphous Solid Dispersions: The Role of Solid-State Nuclear Magnetic Resonance Spectroscopy and Relaxometry. Journal of Pharmaceutical Sciences, 2014, 103, 2635-2662.	3.3	103
3	Applications of Solid-State NMR to the Study of Organic/Inorganic Multicomponent Materials. Applied Spectroscopy Reviews, 2008, 44, 1-89.	6.7	78
4	Molecular Properties of Ibuprofen and Its Solid Dispersions with Eudragit RL100 Studied by Solid-State Nuclear Magnetic Resonance. Pharmaceutical Research, 2005, 22, 1544-1555.	3.5	76
5	Structural characterization of magnesium silicate hydrate: towards the design of eco-sustainable cements. Dalton Transactions, 2016, 45, 3294-3304.	3.3	74
6	Polymer-Based Black Phosphorus (bP) Hybrid Materials by in Situ Radical Polymerization: An Effective Tool To Exfoliate bP and Stabilize bP Nanoflakes. Chemistry of Materials, 2018, 30, 2036-2048.	6.7	57
7	The SPORT-NMR Software: A Tool for Determining Relaxation Times in Unresolved NMR Spectra. Journal of Magnetic Resonance, 1999, 137, 177-185.	2.1	40
8	Strong Intermolecular Ring Current Influence on ¹H Chemical Shifts in Two Crystalline Forms of Naproxen: a Combined Solid-State NMR and DFT Study. Journal of Physical Chemistry C, 2013, 117, 17731-17740.	3.1	35
9	Dynamics by Solid-State NMR: Detailed Study of Ibuprofen Na Salt and Comparison with Ibuprofen. Journal of Physical Chemistry A, 2011, 115, 8783-8790.	2.5	30
10	A method for analysing proton NMR relaxation data from motionally heterogeneous polymer systems. Solid State Nuclear Magnetic Resonance, 1998, 12, 15-20.	2.3	29
11	Phase separation in amorphous hydrophobically modified starchâ€“sucrose blends: Glass transition, matrix dynamics and phase behavior. Carbohydrate Polymers, 2018, 199, 1-10.	10.2	29
12	Orientational Order of Difluorinated Liquid Crystals: A Comparative ¹³C-NMR, Optical, and Dielectric Study in Nematic and Smectic B Phases. Journal of Physical Chemistry B, 2008, 112, 9663-9676.	2.6	27
13	Solidâ€“Solid Transition between Hydrated Racemic Compound and Anhydrous Conglomerate in Na-Ibuprofen: A Combined X-ray Diffraction, Solid-State NMR, Calorimetric, and Computational Study. Crystal Growth and Design, 2014, 14, 2441-2452.	3.0	27
14	Improving compatibility in LDPEâ€“silica dispersions by photo-grafting reaction. Preparation and solid state NMR investigation. Journal of Materials Chemistry, 2006, 16, 4581-4591.	6.7	26
15	Detailed Characterization of the Dynamics of Ibuprofen in the Solid State by a Multiâ€Technique NMR Approach. ChemPhysChem, 2011, 12, 974-981.	2.1	26
16	Orientational Order Properties in Fluorinated Liquid Crystals from an Optical, Dielectric, and 13C NMR Combined Approach. Journal of Physical Chemistry C, 2007, 111, 5286-5299.	3.1	24
17	Hydration of MgO/SiO2 and Portland cement mixtures: A structural investigation of the hydrated phases by means of X-ray diffraction and solid state NMR spectroscopy. Cement and Concrete Research, 2017, 102, 60-67.	11.0	24
18	Dynamics of an Amorphous Polymer by an Improved NMR Approach Based on the Simultaneous Analysis of1H and13C Relaxation Times. Journal of Physical Chemistry B, 2004, 108, 10832-10837.	2.6	23

#	Article	IF	Citations
19	Thermochromic polyethylene films doped with perylene chromophores: experimental evidence and methods for characterization of their phase behaviour. Polymer Chemistry, 2015, 6, 4003-4012.	3.9	22
20	Effect of phosphate additives on the hydration process of magnesium silicate cements. Journal of Thermal Analysis and Calorimetry, 2019, 138, 3311-3321.	3.6	22
21	Dynamics and morphology of polyolefinic elastomers by means of 13C and1H solid-state n.m.r.. Polymer, 1997, 38, 5713-5723.	3.8	21
22	Comb-Shaped Polymers as Nanostructure Modifiers of Calcium Silicate Hydrate: A ²⁹Si Solid-State NMR Investigation. Journal of Physical Chemistry C, 2013, 117, 22947-22953.	3.1	21
23	Phosphorene and Black Phosphorus: The ³¹P NMR View. Journal of Physical Chemistry Letters, 2019, 10, 5122-5127.	4.6	21
24	Orientational Order of Fluorinated Mesogens Containing the 1,3,2-Dioxaborinane Ring: A Multidisciplinary Approach. Journal of Physical Chemistry B, 2009, 113, 15783-15794.	2.6	20
25	Boosting the NIR reflective properties of perylene organic coatings with thermoplastic hollow microspheres: Optical and structural properties by a multi-technique approach. Solar Energy, 2020, 198, 689-695.	6.1	20
26	Dielectric properties of selected laterally fluoro-substituted 4,4â€²â€²-dialkyl, dialkoxy and alkyl-alkoxy [1:1â€²;4â€²:1â€²â€²]terphenyls. Liquid Crystals, 2010, 37, 1321-1330.	2.2	19
27	¹³C Chemical Shielding Tensors: A Combined Solid-State NMR and DFT Study of the Role of Small-Amplitude Motions. Journal of Physical Chemistry C, 2011, 115, 25023-25029.	3.1	19
28	Epoxy resin doped with Coumarin 6: Example of accessible luminescent collectors. European Polymer Journal, 2017, 89, 23-33.	5.4	19
29	Monitoring the hydration of MgO-based cement and its mixtures with Portland cement by 1 H NMR relaxometry. Microporous and Mesoporous Materials, 2018, 269, 26-30.	4.4	19
30	Characterization of an amylose-graft-poly(n-butyl methacrylate) copolymer obtained by click chemistry by EPR and SS-NMR spectroscopies. Carbohydrate Polymers, 2014, 112, 245-254.	10.2	18
31	Traditional Portland cement and MgO-based cement: a promising combination?. Physics and Chemistry of the Earth, 2017, 99, 158-167.	2.9	18
32	On the key role of SiO2@POSS hybrid filler in tailoring networking and interfaces in rubber nanocomposites. Polymer Testing, 2018, 65, 429-439.	4.8	18
33	Understanding the Properties of the Coagel and Gel Phases: A ²H and ¹³C NMR Study of Amphiphilic Ascorbic Acid Derivatives. Journal of Physical Chemistry B, 2010, 114, 15872-15878.	2.6	17
34	P3HT/PCBM Photoactive Materials for Solar Cells: Morphology and Dynamics by Means of Solid-State NMR. Journal of Physical Chemistry C, 2013, 117, 131-139.	3.1	17
35	Understanding the aggregation of bis(benzoxazolyl)stilbene in PLA/PBS blends: a combined spectrofluorimetric, calorimetric and solid state NMR approach. Polymer Chemistry, 2014, 5, 828-835.	3.9	17
36	Structural order and NIR reflective properties of perylene bisimide pigments: Experimental evidences from a combined multi-technique study. Dyes and Pigments, 2020, 179, 108401.	3.7	16

#	Article	IF	Citations
37	Interlayer Coordination of Pdâ€“Pd Units in Exfoliated Black Phosphorus. Journal of the American Chemical Society, 2021, 143, 10088-10098.	13.7	16
38	Freezing of Molecular Motions Probed by Cryogenic Magic Angle Spinning NMR. Journal of Physical Chemistry Letters, 2014, 5, 512-516.	4.6	15
39	Antiplasticization and phase behavior in phase-separated modified starch-sucrose blends: A positron lifetime and solid-state NMR study. Carbohydrate Polymers, 2020, 250, 116931.	10.2	15
40	Rubber-Filler Interactions in Polyisoprene Filled with In Situ Generated Silica: A Solid State NMR Study. Polymers, 2018, 10, 822.	4.5	14
41	Hybrid Interface in Sepiolite Rubber Nanocomposites: Role of Self-Assembled Nanostructure in Controlling Dissipative Phenomena. Nanomaterials, 2019, 9, 486.	4.1	14
42	Dielectric and X-ray Studies of Substances with the Smectic B phase. Molecular Crystals and Liquid Crystals, 2007, 477, 87-100.	0.9	13
43	Molecular Dynamics of Amphiphilic Random Copolymers in the Bulk: A 1 H and 19 F NMR Relaxometry Study. Macromolecular Chemistry and Physics, 2019, 220, 1900177.	2.2	12
44	Solid State NMR Investigation of the Molecular Dynamics of Cocoon Silks Produced by DifferentBombyx mori(Lepidoptera) Strains. Biomacromolecules, 2006, 7, 1266-1273.	5.4	11
45	Orientational order in liquid crystals by combining <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mtext>H</mml:mtext><mml:mprescripts /><mml:none /><mml:mn>2</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mtext>C</mml:mtext><mml:mprescripts /><mml:none /><mml:mn>13</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>	2.1	11
46	The stability of paintings and the molecular structure of the oil paint polymeric network. Scientific Reports, 2021, 11, 14202.	3.3	11
47	Insights into Shape-Memory Poly(Îµ-caprolactone) Materials by Solid-State NMR. Macromolecules, 2014, 47, 3544-3552.	4.8	10
48	Hydration of MgO-Based Cement: Water Dynamics by 1H Fast Field-Cycling NMR Relaxometry. Journal of Physical Chemistry C, 2017, 121, 26851-26859.	3.1	10
49	Dynamics of Clay-Intercalated Ibuprofen Studied by Solid State Nuclear Magnetic Resonance. Molecular Pharmaceutics, 2019, 16, 2569-2578.	4.6	10
50	Effect of sepiolite treatments on the oxidation of sepiolite/natural rubber nanocomposites prepared by latex compounding technique. Applied Clay Science, 2020, 189, 105528.	5.2	10
51	Application of lowâ€rank approximation using truncated singular value decomposition for noise reduction in hyperpolarized ¹³C NMR spectroscopy. NMR in Biomedicine, 2021, 34, e4285.	2.8	10
52	A²H NMR Study of Orientational Order and Spin Relaxation in the Mesogen p-Hexyloxybenzylidene-pâ€²-Fluoroaniline. Molecular Crystals and Liquid Crystals, 1997, 303, 415-429.	0.3	9
53	Determination of Order Parameters in Laterally Fluorosubstituted Terphenyls by¹⁹F-NMR, Optical and Dielectric Anisotropies. Molecular Crystals and Liquid Crystals, 2011, 541, 104/[342]-117/[355].	0.9	9
54	Interrelation between preparation conditions, structure, and mechanical reinforcement in isoprene rubber filled with in situ generated silica. Journal of Applied Polymer Science, 2012, 125, E398.	2.6	9

#	Article	IF	Citations
55	Dynamics of two glass forming monohydroxy alcohols by field cycling 1H NMR relaxometry. Journal of Molecular Liquids, 2018, 269, 847-854.	4.9	9
56	Anisotropy and NMR spectroscopy. Rendiconti Lincei, 2020, 31, 999-1010.	2.2	9
57	Structure, dynamics and interactions of complex solâ€“gel hybrid materials through SSNMR and DSC: Part I, binary systems based on PE-PEG block copolymer, PHS and silica. Polymer, 2011, 52, 4536-4544.	3.8	8
58	Glassy and Polymer Dynamics of Elastomers by ¹H Field-Cycling NMR Relaxometry: Effects of Cross-Linking. Macromolecules, 2020, 53, 10028-10039.	4.8	8
59	Influence of Sulfur-Curing Conditions on the Dynamics and Crosslinking of Rubber Networks: A Time-Domain NMR Study. Polymers, 2022, 14, 767.	4.5	8
60	Study of the Orientational Order and Dynamics in the Nematic and Smectic Phases ofpâ€²-Hexyloxybenzyliden-p-Fluoroaniline by Means of²H-NMR. Molecular Crystals and Liquid Crystals, 1995, 266, 213-227.	0.3	7
61	Orientational ordering studies of fluorinated thermotropic liquid crystals by NMR spectroscopy. Magnetic Resonance in Chemistry, 2014, 52, 625-639.	1.9	7
62	Organic protic ionics based on Nitrilo(trimethylenephosphonic acid) as water-free, proton-conducting materials. Journal of Solid State Electrochemistry, 2015, 19, 1643-1650.	2.5	7
63	Dielectric properties of threeâ€•ring fluorinated compounds. Liquid Crystals, 2008, 35, 527-531.	2.2	6
64	Direct observation of the effects of small-amplitude motions on 13C nuclear shielding tensors by means of low-temperature 2D MAS NMR spectroscopy. Chemical Physics Letters, 2018, 706, 107-112.	2.6	6
65	Structure, dynamics and interactions of complex solâ€“gel hybrid materials through SSNMR and DSC: Part II, ternary systems based on PEâ€“PEG block copolymer, PHS and silica. Polymer, 2011, 52, 4545-4552.	3.8	5
66	Orientational order of liquid crystals by 11B NMR spectroscopy. Chemical Physics Letters, 2011, 508, 63-66.	2.6	5
67	Measuring 19F shift anisotropies and 1Hâ€“19F dipolar interactions with ultrafast MAS NMR. Journal of Magnetic Resonance, 2015, 259, 102-107.	2.1	5
68	Glassy and Polymer Dynamics of Elastomers by 1H-Field-Cycling NMR Relaxometry: Effects of Fillers. Journal of Physical Chemistry B, 2021, 125, 4546-4554.	2.6	5
69	Phase transitions in hydrophobe/phospholipid mixtures: hints at connections between pheromones and anaesthetic activity. Physical Chemistry Chemical Physics, 2016, 18, 15375-15383.	2.8	4
70	Structure and Dynamics of Perylene Bisimide Pigments for â€œCoolâ€•Organic Coatings by Solid-State NMR: A Combined Experimental and DFT Study. Journal of Physical Chemistry C, 2020, 124, 17971-17980.	3.1	4
71	Exploring the interplay of mucin with biologically-relevant amorphous magnesium-calcium phosphate nanoparticles. Journal of Colloid and Interface Science, 2021, 594, 802-811.	9.4	4
72	Dynamics of Dimethylbutanols in Plastic Crystalline Phases by Field Cycling ¹H NMR Relaxometry. Journal of Physical Chemistry B, 2018, 122, 9792-9802.	2.6	3

#	Article	IF	Citations
73	Solid State NMR Study of the Mixing Degree Between Ginkgo Biloba Extract and a Soy-Lecithin-Phosphatidylserine in a Composite Prepared by the PhytosomeÂ® Method. Chemistry Africa, 2020, 3, 717-725.	2.4	3
74	Translational and rotational diffusion of three glass forming alcohols by 1H field cycling NMR relaxometry. Journal of Molecular Liquids, 2021, 330, 115597.	4.9	3
75	Orientational Order of Two Fluoro- and Isothiocyanate-Substituted Nematogens by Combination of ¹³C NMR Spectroscopy and DFT Calculations. Journal of Physical Chemistry B, 2014, 118, 3469-3477.	2.6	2
76	Solid-state NMR as a powerful tool for the structural and dynamic characterization of insoluble perfluoropolyetherâ€“tetrafluoroethylene block copolymers. Journal of Fluorine Chemistry, 2016, 192, 22-26.	1.7	2
77	Titanium-Based Tetrakis-2,3-[5,6-di(Substituted)pyrazino]porphyrazine: Synthesis and Characterization. European Journal of Inorganic Chemistry, 2020, 2020, 2417-2423.	2.0	2
78	Structural Refinement of Carbimazole by NMR Crystallography. Molecules, 2021, 26, 4577.	3.8	1