

Giulia Mollica

List of Publications by Year in descending order

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37
papers

910
citations

471509

17
h-index

477307

29
g-index

41
all docs

41
docs citations

41
times ranked

1192
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring Crystallization Processes in Confined Porous Materials by Dynamic Nuclear Polarization Solid-State Nuclear Magnetic Resonance. <i>Journal of the American Chemical Society</i> , 2021, 143, 6095-6103.	13.7	21
2	Solvent suppression in solid-state DNP NMR using Electronic Mixing-Mediated Annihilation (EMMA). <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 1076-1081.	1.9	2
3	A Karplus Equation for the Conformational Analysis of Organic Molecular Crystals. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16047-16051.	13.8	6
4	A Karplus Equation for the Conformational Analysis of Organic Molecular Crystals. <i>Angewandte Chemie</i> , 2019, 131, 16193-16197.	2.0	3
5	A Strategy for Probing the Evolution of Crystallization Processes by Low-Temperature Solid-State NMR and Dynamic Nuclear Polarization. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1505-1510.	4.6	21
6	Brute-force solvent suppression for DNP studies of powders at natural isotopic abundance. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 99, 15-19.	2.3	10
7	Reducing the computational cost of NMR crystallography of organic powders at natural isotopic abundance with the help of ^{13}C dipolar couplings. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 256-264.	1.9	9
8	Abstract: A Karplus Equation for the Conformational Analysis of Organic Molecular Crystals (<i>Angew. Chem.</i> 45/2019). <i>Angewandte Chemie</i> , 2019, 131, 16480-16480.	2.0	0
9	Structural Investigations of Polymer Materials by Dynamic Nuclear Polarisation Solid-state NMR. <i>New Developments in NMR</i> , 2019, , 533-554.	0.1	3
10	Insights into the Crystallization and Structural Evolution of Glycine Dihydrate by In-Situ Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6619-6623.	13.8	21
11	Determining carbon-carbon connectivities in natural abundance organic powders using dipolar couplings. <i>Chemical Communications</i> , 2016, 52, 8565-8568.	4.1	13
12	Up to 100% Improvement in Dynamic Nuclear Polarization Solid-State NMR Sensitivity Enhancement of Polymers by Removing Oxygen. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1416-1421.	3.9	19
13	Quantitative Structural Constraints for Organic Powders at Natural Isotopic Abundance Using Dynamic Nuclear Polarization Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6028-6031.	13.8	60
14	Probing crystal packing of uniformly ^{13}C -enriched powder samples using homonuclear dipolar coupling measurements. <i>Solid State Nuclear Magnetic Resonance</i> , 2015, 65, 114-121.	2.3	4
15	Solid-State ^1H NMR Studies of Homonuclear Dipolar Couplings. <i>Annual Reports on NMR Spectroscopy</i> , 2014, 82, 217-249.	1.5	5
16	Observing Apparent Nonuniform Sensitivity Enhancements in Dynamic Nuclear Polarization Solid-State NMR Spectra of Polymers. <i>ACS Macro Letters</i> , 2014, 3, 922-925.	4.8	23
17	Optimizing Sample Preparation Methods for Dynamic Nuclear Polarization Solid-state NMR of Synthetic Polymers. <i>Macromolecules</i> , 2014, 47, 3909-3916.	4.8	46
18	Selective measurements of long-range homonuclear J-couplings in solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2013, 231, 90-94.	2.1	15

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19	Towards measurement of homonuclear dipolar couplings in ^1H solid-state NMR: recoupling with a rotor-synchronized decoupling scheme. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4359.	2.8	17
20	Towards the rationalization of the MALDI process: a combined mass spectrometry/solid-state NMR approach. <i>Analytical Methods</i> , 2012, 4, 3118.	2.7	5
21	Probing the Motional Behavior of Eumelanin and Pheomelanin with Solid-State NMR Spectroscopy: New Insights into the Pigment Properties. <i>Chemistry - A European Journal</i> , 2012, 18, 10689-10700.	3.3	26
22	Characterization of insoluble calcium alginates by solid-state NMR. <i>Carbohydrate Polymers</i> , 2012, 87, 383-391.	10.2	14
23	Suppressing background signals in solid state NMR via the Electronic Mixing-Mediated Annihilation (EMMA) method. <i>Journal of Magnetic Resonance</i> , 2012, 218, 1-4.	2.1	3
24	Dynamics of Ethylene-Propylene Random Copolymers by ^1H and ^{13}C Solid-State NMR. <i>Journal of Physical Chemistry B</i> , 2011, 115, 1978-1985.	2.6	5
25	Proton Spin-Lattice Relaxation in Silkworm Cocoons: Physisorbed Water and Serine Side-Chain Motions. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2586-2592.	2.6	4
26	Facile synthesis of core-shell organic-inorganic hybrid nanoparticles with amphiphilic polymer shell by one-step sol-gel reactions. <i>Journal of Polymer Science Part A</i> , 2008, 46, 1699-1709.	2.3	15
27	Estimation of internuclear couplings in the solid-state NMR of multiple-spin systems. Selective spin echoes and off-magic-angle sample spinning. <i>Chemical Physics Letters</i> , 2008, 456, 116-121.	2.6	33
28	Applications of Solid-State NMR to the Study of Organic/Inorganic Multicomponent Materials. <i>Applied Spectroscopy Reviews</i> , 2008, 44, 1-89.	6.7	78
29	Solid-State NMR Studies of Pharmaceutical Systems. <i>Applied Spectroscopy Reviews</i> , 2008, 43, 202-302.	6.7	152
30	Solid-state nuclear magnetic resonance characterization of PEG/silica hybrid materials prepared by microwave-assisted sol-gel process. <i>Journal of Materials Research</i> , 2007, 22, 3516-3525.	2.6	24
31	Cotton Fibers Encapsulated with Homo- and Block Copolymers: Synthesis by the Atom Transfer Radical Polymerization Grafting-From Technique and Solid-State NMR Dynamic Investigations. <i>Biomacromolecules</i> , 2007, 8, 498-508.	5.4	44
32	A Novel Polyelectrolyte Complex (PEC) Hydrogel for Controlled Drug Delivery to the Distal Intestine. <i>Open Drug Delivery Journal</i> , 2007, 1, 68-75.	2.0	8
33	Truncated dipolar recoupling in solid-state nuclear magnetic resonance. <i>Chemical Physics Letters</i> , 2006, 432, 572-578.	2.6	35
34	A new hydrogel for the extended and complete prednisolone release in the GI tract. <i>International Journal of Pharmaceutics</i> , 2006, 310, 154-161.	5.2	24
35	Molecular Properties of Flurbiprofen and its Solid Dispersions with Eudragit RL100 Studied by High- and Low-Resolution Solid-State Nuclear Magnetic Resonance. <i>Pharmaceutical Research</i> , 2006, 23, 2129-2140.	3.5	23
36	Molecular Properties of Ibuprofen and Its Solid Dispersions with Eudragit RL100 Studied by Solid-State Nuclear Magnetic Resonance. <i>Pharmaceutical Research</i> , 2005, 22, 1544-1555.	3.5	76

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37	Structure and Dynamics of Flour by Solid State NMR: Effects of Hydration and Wheat Aging. Biomacromolecules, 2004, 5, 1536-1544.	5.4	33