

Maria Baias

List of Publications by Year in descending order

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32
papers

1,154
citations

471509

17
h-index

434195

31
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33
all docs

33
docs citations

33
times ranked

1776
citing authors

#	ARTICLE	IF	CITATIONS
1	Complete resonance assignment of a pharmaceutical drug at natural isotopic abundance from DNP-Enhanced solid-state NMR. <i>Solid State Nuclear Magnetic Resonance</i> , 2022, 119, 101794.	2.3	1
2	Taming the Topology of Calix[4]arene-Based 2D-Covalent Organic Frameworks: Interpenetrated vs Noninterpenetrated Frameworks and Their Selective Removal of Cationic Dyes. <i>Journal of the American Chemical Society</i> , 2021, 143, 3407-3415.	13.7	80
3	Identifying aspirin polymorphs from combined DFT-based crystal structure prediction and solid-state NMR. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 1018-1025.	1.9	6
4	Comparison of historical violins by non-destructive MRI depth profiling. <i>Microchemical Journal</i> , 2020, 158, 105219.	4.5	10
5	How mobile NMR can help with the conservation of paintings. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 792-797.	1.9	3
6	Azobenzene-Equipped Covalent Organic Framework: Light-Operated Reservoir. <i>Journal of the American Chemical Society</i> , 2019, 141, 19078-19087.	13.7	86
7	A polyrotaxanated covalent organic network based on viologen and cucurbit[7]uril. <i>Communications Chemistry</i> , 2019, 2, .	4.5	29
8	NMR Crystallography. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 166-166.	1.9	1
9	Nondestructive Testing of Objects from Cultural Heritage with NMR. , 2018, , 293-304.		4
10	Nondestructive Testing of Objects from Cultural Heritage with NMR. , 2018, , 1-13.		3
11	Structure and Dynamics of the Huntingtin Exon-1 N-Terminus: A Solution NMR Perspective. <i>Journal of the American Chemical Society</i> , 2017, 139, 1168-1176.	13.7	56
12	Mobile NMR: An essential tool for protecting our cultural heritage. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 33-37.	1.9	8
13	Superstructure of a Substituted Zeolitic Imidazolate Metal-Organic Framework Determined by Combining Proton Solid-State NMR Spectroscopy and DFT Calculations. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5971-5976.	13.8	38
14	Nanostructure of Materials Determined by Relayed Paramagnetic Relaxation Enhancement. <i>Journal of the American Chemical Society</i> , 2015, 137, 12482-12485.	13.7	19
15	A solid-state NMR method to determine domain sizes in multi-component polymer formulations. <i>Journal of Magnetic Resonance</i> , 2015, 261, 43-48.	2.1	14
16	Ultrafast NMR T_1 Relaxation Measurements: Probing Molecular Properties in Real Time. <i>ChemPhysChem</i> , 2013, 14, 3138-3145.	2.1	40
17	De Novo Determination of the Crystal Structure of a Large Drug Molecule by Crystal Structure Prediction-Based Powder NMR Crystallography. <i>Journal of the American Chemical Society</i> , 2013, 135, 17501-17507.	13.7	173
18	Powder crystallography of pharmaceutical materials by combined crystal structure prediction and solid-state ^1H NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8069.	2.8	155

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19	Synthesis, Crystal Structure, and Solid-State NMR Investigations of Heteronuclear Zn/Co Coordination Networks – A Comparative Study. <i>Inorganic Chemistry</i> , 2013, 52, 4431-4442.	4.0	17
20	Atomic-Resolution Structural Dynamics in Crystalline Proteins from NMR and Molecular Simulation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 3657-3662.	4.6	47
21	Effects of Aromatic Substitution on the Photodimerization Kinetics of \hat{I}^2 - <i>trans</i> Cinnamic Acid Derivatives Studied with ^{13}C Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12212-12218.	3.1	17
22	Structure and dynamics of water in native and tanned collagen fibers: Effect of crosslinking. <i>International Journal of Biological Macromolecules</i> , 2010, 47, 590-596.	7.5	70
23	Influence of the silica content in SPEEK–silica membranes prepared from the sol–gel process of polyethoxysiloxane: Morphology and proton mobility. <i>Journal of Membrane Science</i> , 2009, 337, 125-135.	8.2	29
24	State of water in hybrid sulfonated poly(ether ether ketone) – silica membranes by ^1H solid-state NMR. <i>Chemical Physics Letters</i> , 2009, 473, 142-145.	2.6	7
25	Morphology and Molecular Mobility of Fibrous Hard \hat{I}^{\pm} -Keratins by ^1H , ^{13}C , and ^{129}Xe NMR. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12136-12147.	2.6	14
26	Thermal Denaturation of Hydrated Wool Keratin by ^1H Solid-State NMR. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2184-2192.	2.6	34
27	Assessment of collagen-based materials which are supports of cultural and historical objects. <i>Polymer Degradation and Stability</i> , 2008, 93, 976-982.	5.8	54
28	Proton exchange in hybrid sulfonated poly(ether ether ketone)–silica membranes by ^1H solid-state NMR. <i>Chemical Physics Letters</i> , 2008, 456, 227-230.	2.6	13
29	Vibrational and DFT study of 5-(3-pyridyl-methylidene)-thiazolidine-2-thione-4-one. <i>Vibrational Spectroscopy</i> , 2008, 48, 289-296.	2.2	45
30	Non-invasive spatial tissue discrimination in ancient mummies and bones in situ by portable nuclear magnetic resonance. <i>Journal of Cultural Heritage</i> , 2007, 8, 257-263.	3.3	52
31	Morphology of Thermoplastic Polyurethanes by ^1H Spin-Diffusion NMR. <i>Macromolecules</i> , 2006, 39, 4802-4810.	4.8	20
32	Segmental dynamic heterogeneity of short-chain grafted-poly(dimethylsiloxane) by ^1H spin-diffusion NMR. <i>Chemical Physics Letters</i> , 2006, 431, 404-409.	2.6	5