

Maria Baias

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4383966/publications.pdf>

Version: 2024-02-01

32
papers

1,154
citations

471509

17
h-index

434195

31
g-index

33
all docs

33
docs citations

33
times ranked

1776
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>De Novo</i> 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
2	Powder crystallography of pharmaceutical materials by combined crystal structure prediction and solid-state ¹ H NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8069.	2.8	155
3	Azobenzene-Equipped Covalent Organic Framework: Light-Operated Reservoir. <i>Journal of the American Chemical Society</i> , 2019, 141, 19078-19087.	13.7	86
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	Ultrafast NMR ¹ T ₁ Relaxation Measurements: Probing Molecular Properties in Real Time. <i>ChemPhysChem</i> , 2013, 14, 3138-3145.	2.1	40
12	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
13	Thermal Denaturation of Hydrated Wool Keratin by ¹ H Solid-State NMR. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2184-2192.	2.6	34
14	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
15	A polyrotaxanated covalent organic network based on viologen and cucurbit[7]uril. <i>Communications Chemistry</i> , 2019, 2, .	4.5	29
16	Morphology of Thermoplastic Polyurethanes by ¹ H Spin-Diffusion NMR. <i>Macromolecules</i> , 2006, 39, 4802-4810.	4.8	20
17	Nanostructure of Materials Determined by Relayed Paramagnetic Relaxation Enhancement. <i>Journal of the American Chemical Society</i> , 2015, 137, 12482-12485.	13.7	19
18	Effects of Aromatic Substitution on the Photodimerization Kinetics of ¹² - <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

#	ARTICLE	IF	CITATIONS
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	Morphology and Molecular Mobility of Fibrous Hard α -Keratins by ^1H , ^{13}C , and ^{129}Xe NMR. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12136-12147.	2.6	14
21	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
22	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
23	Comparison of historical violins by non-destructive MRI depth profiling. <i>Microchemical Journal</i> , 2020, 158, 105219.	4.5	10
24	Mobile NMR: An essential tool for protecting our cultural heritage. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 33-37.	1.9	8
25	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
26	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
27	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
28	Nondestructive Testing of Objects from Cultural Heritage with NMR. , 2018, , 293-304.		4
29	How mobile NMR can help with the conservation of paintings. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 792-797.	1.9	3
30	Nondestructive Testing of Objects from Cultural Heritage with NMR. , 2018, , 1-13.		3
31	NMR Crystallography. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 166-166.	1.9	1
32	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