

Frédérique Pourpoint

List of Publications by Year in descending order

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papers

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citations

471509

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#	ARTICLE	IF	CITATIONS
1	An unusual O ²⁺ /F ⁺ distribution in the new pyrochlore oxyfluorides: Na ₂ B ₂ O ₅ F ₂ (B = Nb, Ta). Chemical Communications, 2022, 58, 2391-2394.	4.1	1
2	Characterization of Functional Groups in Estuarine Dissolved Organic Matter by DNP-enhanced ¹⁵ N and ¹³ C Solid-State NMR. ChemPhysChem, 2021, 22, 1907-1913.	2.1	2
3	Probing ²⁹ Si- ¹⁷ O connectivities and proximities by solid-state NMR. Journal of Magnetic Resonance, 2021, 330, 107029.	2.1	2
4	Recent developments in MAS DNP-NMR of materials. Solid State Nuclear Magnetic Resonance, 2019, 101, 116-143.	2.3	116
5	Caveat on the Actual Robustness of Heteronuclear NMR Methods for Probing the Surface of ¹³ -Alumina and Related Catalysts. Journal of Physical Chemistry C, 2019, 123, 12919-12927.	3.1	11
6	Grafting of a new bis-silylamido aluminum species on silica: insight from solid-state NMR into interactions with the surface. Dalton Transactions, 2019, 48, 5243-5252.	3.3	6
7	Magnetization transfer from protons to quadrupolar nuclei in solid-state NMR using PRESTO or dipolar-mediated refocused INEPT methods. Journal of Magnetic Resonance, 2019, 299, 109-123.	2.1	21
8	The Surprising Stability of Cu ₃ (btc) ₂ Metal-Organic Framework under Steam Flow at High Temperature. Crystal Growth and Design, 2018, 18, 6681-6693.	3.0	25
9	Recent Developments in NMR Studies of Aluminophosphates. Annual Reports on NMR Spectroscopy, 2018, 94, 113-185.	1.5	14
10	NMR crystallography to probe the breathing effect of the MIL-53(Al) metal-organic framework using solid-state NMR measurements of ¹³ C- ²⁷ Al distances. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 176-183.	0.5	22
11	Probing the aluminum complexation by Siberian riverine organic matter using solid-state DNP-NMR. Chemical Geology, 2017, 452, 1-8.	3.3	11
12	Solid-State NMR Spectroscopy Proves the Presence of Penta-coordinated Sc Sites in MIL-100(Sc). Chemistry - A European Journal, 2017, 23, 9525-9534.	3.3	19
13	3D correlation NMR spectrum between three distinct heteronuclei for the characterization of inorganic samples: Application on sodium aluminophosphate materials. Solid State Nuclear Magnetic Resonance, 2017, 84, 164-170.	2.3	4
14	Local measure of the electromagnetic field in magnetic resonance coils: How do simulations help to disentangle the contributions of the electric and magnetic fields?. Solid State Nuclear Magnetic Resonance, 2017, 82-83, 1-9.	2.3	4
15	⁷¹ Ga- ⁷⁷ Se connectivities and proximities in gallium selenide crystal and glass probed by solid-state NMR. Journal of Magnetic Resonance, 2017, 282, 71-82.	2.1	5
16	Study of Xenon Mobility in the Two Forms of MIL-53(Al) Using Solid-State NMR Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 19262-19268.	3.1	19
17	Solid-state NMR indirect detection of nuclei experiencing large anisotropic interactions using spinning sideband-selective pulses. Solid State Nuclear Magnetic Resonance, 2015, 72, 104-117.	2.3	25
18	NMR Crystallography of an Oxovanadium(V) Complex by an Approach Combining Multinuclear Magic Angle Spinning NMR, DFT, and Spin Dynamics Simulations. ChemPhysChem, 2015, 16, 1619-1626.	2.1	21

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19	Observation of ^1H - ^{13}C and ^1H - ^1H proximities in a paramagnetic solid by NMR at high magnetic field under ultra-fast MAS. <i>Journal of Magnetic Resonance</i> , 2015, 251, 36-42.	2.1	8
20	Insights into the Catalytic Activity of Nitridated Fibrous Silica (KCCl) Nanocatalysts from ^{15}N and ^{29}Si NMR Spectroscopy Enhanced by Dynamic Nuclear Polarization. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2190-2193.	13.8	101
21	The D-HMQC MAS-NMR Technique. <i>Annual Reports on NMR Spectroscopy</i> , 2014, , 145-184.	1.5	52
22	Quantitative Analysis of the Proximities of OH Ligands and Vanadium Sites in a Polyoxovanadate Cluster Using Frequency-Selective ^1H - ^{51}V Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18580-18588.	3.1	10
23	Host-Guest Interactions in Dealuminated HY Zeolite Probed by ^{13}C - ^{27}Al Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3068-3072.	4.6	31
24	Probing ^{27}Al - ^{13}C proximities in metal-organic frameworks using dynamic nuclear polarization enhanced NMR spectroscopy. <i>Chemical Communications</i> , 2014, 50, 933-935.	4.1	67
25	Advances in Structural Studies on Alkylaluminum Species in the Solid State via Challenging ^{27}Al - ^{13}C NMR Spectroscopy and X-ray Diffraction. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18091-18099.	3.1	22
26	First-Principles Calculation of NMR Parameters Using the Gauge Including Projector Augmented Wave Method: A Chemist's Point of View. <i>Chemical Reviews</i> , 2012, 112, 5733-5779.	47.7	446
27	Measurement of Aluminum-Carbon Distances Using ^1H - ^{13}C REDOR NMR Experiments. <i>ChemPhysChem</i> , 2012, 13, 3605-3615.	2.1	59
28	New perspectives in the PAW/GIPAW approach: JP-O-Si coupling constants, antisymmetric parts of shift tensors and NQR predictions. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, S86-S102.	1.9	42