

Julien TrÃ©bosc

List of Publications by Year in descending order

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128
papers

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135
all docs

135
docs citations

135
times ranked

3349
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-State NMR Study of MCM-41-type Mesoporous Silica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2005, 127, 3057-3068.	6.6	235
2	Geometry Flexibility of Copper Iodide Clusters: Variability in Luminescence Thermo-chromism. <i>Inorganic Chemistry</i> , 2015, 54, 4483-4494.	1.9	136
3	Proton-detected ¹⁴ N MAS NMR using homonuclear decoupled rotary resonance. <i>Chemical Physics Letters</i> , 2007, 435, 163-169.	1.2	135
4	Broadband homonuclear correlation spectroscopy driven by combined π sequences under fast magic angle spinning for NMR structural analysis of organic and biological solids. <i>Journal of Magnetic Resonance</i> , 2013, 232, 18-30.	1.2	132
5	Measurement of hetero-nuclear distances using a symmetry-based pulse sequence in solid-state NMR. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9395.	1.3	120
6	Recent developments in MAS DNP-NMR of materials. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 101, 116-143.	1.5	116
7	Beyond the Silica Surface by Direct Silicon- ²⁹ Dynamic Nuclear Polarization. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8367-8370.	7.2	115
8	Studies of Organically Functionalized Mesoporous Silicas Using Heteronuclear Solid-State Correlation NMR Spectroscopy under Fast Magic Angle Spinning. <i>Journal of the American Chemical Society</i> , 2005, 127, 7587-7593.	6.6	113
9	Chemical bonding differences evidenced from J-coupling in solid state NMR experiments involving quadrupolar nuclei. <i>Journal of Magnetic Resonance</i> , 2003, 164, 160-164.	1.2	110
10	Brønsted acid sites based on penta-coordinated aluminum species. <i>Nature Communications</i> , 2016, 7, 13820.	5.8	99
11	Boron isotopes as pH proxy: A new look at boron speciation in deep-sea corals using ¹¹ B MAS NMR and EELS. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 1003-1012.	1.6	94
12	¹⁷ O NMR Gives Unprecedented Insights into the Structure of Supported Catalysts and Their Interaction with the Silica Carrier. <i>Journal of the American Chemical Society</i> , 2012, 134, 9263-9275.	6.6	93
13	Heteronuclear NMR Spectroscopy as a Surface-Selective Technique: A Unique Look at the Hydroxyl Groups of ¹³ Alumina. <i>Chemistry - A European Journal</i> , 2014, 20, 4038-4046.	1.7	82
14	Indirect Detection via Spin-1/2 Nuclei in Solid State NMR Spectroscopy: Application to the Observation of Proximities between Protons and Quadrupolar Nuclei. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12864-12878.	1.1	81
15	The acidic nature of α -NMR-invisible tri-coordinated framework aluminum species in zeolites. <i>Chemical Science</i> , 2019, 10, 10159-10169.	3.7	78
16	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.	2.2	67
17	Indirect and direct ²⁹ Si dynamic nuclear polarization of dispersed nanoparticles. <i>Chemical Communications</i> , 2013, 49, 2864-2866.	2.2	62
18	Distance measurement between a spin-1/2 and a half-integer quadrupolar nuclei by solid-state NMR using exact analytical expressions. <i>Journal of Magnetic Resonance</i> , 2010, 206, 269-273.	1.2	61

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19	Enhanced resolution in proton solid-state NMR with very-fast MAS experiments. <i>Journal of Magnetic Resonance</i> , 2008, 193, 305-307.	1.2	60
20	Measurement of Aluminum- ¹³ C Carbon Distances Using S-RESPDOR NMR Experiments. <i>ChemPhysChem</i> , 2012, 13, 3605-3615.	1.0	59
21	Synergic Effect of Active Sites in Zinc-Modified ZSM-5 Zeolites as Revealed by High-Field Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15826-15830.	7.2	59
22	Broad-band homo-nuclear correlations assisted by ¹ H irradiation for bio-molecules in very high magnetic field at fast and ultra-fast MAS frequencies. <i>Journal of Magnetic Resonance</i> , 2011, 212, 320-329.	1.2	55
23	Detailed analysis of the S-RESPDOR solid-state NMR method for inter-nuclear distance measurement between spin-1/2 and quadrupolar nuclei. <i>Journal of Magnetic Resonance</i> , 2012, 215, 34-49.	1.2	52
24	The D-HMQC MAS-NMR Technique. <i>Annual Reports on NMR Spectroscopy</i> , 2014, , 145-184.	0.7	52
25	A well-defined silica-supported aluminium alkyl through an unprecedented, consecutive two-step protonolysis-alkyl transfer mechanism. <i>Chemical Communications</i> , 2011, 47, 2979.	2.2	51
26	Heteronuclear NMR Correlations To Probe the Local Structure of Catalytically Active Surface Aluminum Hydride Species on ¹³ Alumina. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9854-9858.	7.2	47
27	Modification of Molybdenum Structural Environment in Borosilicate Glasses with Increasing Content of Boron and Calcium Oxide by ⁹⁵ Mo MAS NMR. <i>Journal of the American Ceramic Society</i> , 2011, 94, 4274-4282.	1.9	45
28	Q-shear transformation for MQMAS and STMAS NMR spectra. <i>Journal of Magnetic Resonance</i> , 2009, 201, 81-86.	1.2	43
29	SPAM-MQ-HETCOR: an improved method for heteronuclear correlation spectroscopy between quadrupolar and spin-1/2 nuclei in solid-state NMR. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 144-150.	1.3	41
30	High-resolution through-space correlations between spin-1/2 and half-integer quadrupolar nuclei using the MQ-D-R-INEPT NMR experiment. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 7112.	1.3	41
31	Practical choice of ¹ H- ¹ H decoupling schemes in through-bond ¹ H-{X} HMQC experiments at ultra-fast MAS. <i>Journal of Magnetic Resonance</i> , 2012, 214, 151-158.	1.2	41
32	On the Track to Silica-Supported Tungsten Oxo Metathesis Catalysts: Input from ¹⁷ O Solid-State NMR. <i>Inorganic Chemistry</i> , 2013, 52, 10119-10130.	1.9	40
33	Acidity enhancement through synergy of penta- and tetra-coordinated aluminum species in amorphous silica networks. <i>Nature Communications</i> , 2020, 11, 225.	5.8	40
34	Broadband finite-pulse radio-frequency-driven recoupling (fp-RFDR) with (XY8) ₄₁ super-cycling for homo-nuclear correlations in very high magnetic fields at fast and ultra-fast MAS frequencies. <i>Journal of Magnetic Resonance</i> , 2012, 223, 107-119.	1.2	37
35	Observation of Low- ¹³ Quadrupolar Nuclei by Surface-Enhanced NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2020, 142, 10659-10672.	6.6	36
36	High-Resolution Structural Characterization of Two Layered Aluminophosphates by Synchrotron Powder Diffraction and NMR Crystallographies. <i>Chemistry of Materials</i> , 2013, 25, 2227-2242.	3.2	35

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37	Homonuclear dipolar recoupling under ultra-fast magic-angle spinning: Probing ^{19}F proximities by solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2010, 203, 113-128.	1.2	34
38	A Study of Transition-Metal Organometallic Complexes Combining ^{35}Cl Solid-State NMR Spectroscopy and ^{35}Cl NQR Spectroscopy and First-Principles DFT Calculations. <i>Chemistry - A European Journal</i> , 2013, 19, 12396-12414.	1.7	34
39	Signal enhancement of J-HMQC experiments in solid-state NMR involving half-integer quadrupolar nuclei. <i>Chemical Communications</i> , 2013, 49, 6653.	2.2	34
40	An NMR-Driven Crystallography Strategy to Overcome the Computability Limit of Powder Structure Determination: A Layered Aluminophosphate Case. <i>Chemistry - A European Journal</i> , 2013, 19, 5009-5013.	1.7	34
41	Solvent-Free High-Field Dynamic Nuclear Polarization of Mesoporous Silica Functionalized with TEMPO. <i>Applied Magnetic Resonance</i> , 2012, 43, 237-250.	0.6	33
42	Comparison of high-resolution solid-state NMR MQMAS and STMAS methods for half-integer quadrupolar nuclei. <i>Solid State Nuclear Magnetic Resonance</i> , 2007, 31, 1-9.	1.5	31
43	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.	2.1	31
44	Double-quantum ^{19}F ^{19}F dipolar recoupling at ultra-fast magic angle spinning NMR: application to the assignment of ^{19}F NMR spectra of inorganic fluorides. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 10391.	1.3	30
45	Indirect high-resolution detection for quadrupolar spin-3/2 nuclei in dipolar HMQC solid-state NMR experiments. <i>Chemical Physics Letters</i> , 2010, 496, 201-207.	1.2	30
46	A tunable homonuclear dipolar decoupling scheme for high-resolution proton NMR of solids from slow to fast magic-angle spinning. <i>Chemical Physics Letters</i> , 2011, 503, 167-170.	1.2	30
47	Uniform broadband excitation of crystallites in rotating solids using interleaved sequences of delays alternating with nutation. <i>Journal of Magnetic Resonance</i> , 2012, 223, 228-236.	1.2	29
48	Population transfer HMQC for half-integer quadrupolar nuclei. <i>Journal of Chemical Physics</i> , 2015, 142, 094201.	1.2	29
49	An Investigation of Chlorine Ligands in Transition-Metal Complexes via ^{35}Cl Solid-State NMR and Density Functional Theory Calculations. <i>Inorganic Chemistry</i> , 2014, 53, 9581-9597.	1.9	28
50	Homonuclear dipolar decoupling schemes for fast MAS. <i>Solid State Nuclear Magnetic Resonance</i> , 2009, 35, 19-24.	1.5	26
51	Measurement of ^{13}C ^1H dipolar couplings in solids by using ultra-fast magic-angle spinning NMR spectroscopy with symmetry-based sequences. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5967.	1.3	25
52	Solid-state NMR indirect detection of nuclei experiencing large anisotropic interactions using spinning sideband-selective pulses. <i>Solid State Nuclear Magnetic Resonance</i> , 2015, 72, 104-117.	1.5	25
53	Solid-state NMR covariance of homonuclear correlation spectra. <i>Journal of Chemical Physics</i> , 2008, 128, 134502.	1.2	24
54	Boron Nitride and Oxide Supported on Dendritic Fibrous Nanosilica for Catalytic Oxidative Dehydrogenation of Propane. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16124-16135.	3.2	23

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55	Detailed analysis of the TIMES and TIMES0 high-resolution MAS methods for high-resolution proton NMR. <i>Journal of Magnetic Resonance</i> , 2012, 223, 219-227.	1.2	22
56	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.	1.5	22
57	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. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 176-183.	0.2	22
58	3D ^1H - ^{13}C - ^{14}N correlation solid-state NMR spectrum. <i>Journal of Magnetic Resonance</i> , 2008, 193, 321-325.	1.2	21
59	Proton-proton homonuclear dipolar decoupling in solid-state NMR using rotor-synchronized z-rotation pulse sequences. <i>Journal of Chemical Physics</i> , 2009, 130, 014504.	1.2	21
60	Broadband excitation in solid-state NMR using interleaved DANTE pulse trains with N pulses per rotor period. <i>Journal of Magnetic Resonance</i> , 2013, 236, 105-116.	1.2	21
61	NMR Crystallography of an Oxovanadium(V) Complex by an Approach Combining Multinuclear Magic Angle Spinning NMR, DFT, and Spin Dynamics Simulations. <i>ChemPhysChem</i> , 2015, 16, 1619-1626.	1.0	21
62	Magnetization transfer from protons to quadrupolar nuclei in solid-state NMR using PRESTO or dipolar-mediated refocused INEPT methods. <i>Journal of Magnetic Resonance</i> , 2019, 299, 109-123.	1.2	21
63	Broadband excitation in solid-state NMR of paramagnetic samples using Delays Alternating with Nutation for Tailored Excitation ($\hat{\rho}$ -Para-DANTE $\hat{\rho}$ TM). <i>Chemical Physics Letters</i> , 2012, 553, 68-76.	1.2	20
64	Structural Study of Mg-Based Metal-Organic Frameworks by X-ray Diffraction, ^1H , ^{13}C , and ^{25}Mg Solid-State NMR Spectroscopy, and First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7831-7841.	1.5	20
65	Very-Long-Distance Correlations in Proteins Revealed by Solid-State NMR Spectroscopy. <i>ChemPhysChem</i> , 2012, 13, 3585-3588.	1.0	19
66	Analysis of local molecular motions of aromatic sidechains in proteins by 2D and 3D fast MAS NMR spectroscopy and quantum mechanical calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28789-28801.	1.3	19
67	Solid-State NMR Spectroscopy Proves the Presence of Penta-coordinated Sc Sites in MIL-100(Sc). <i>Chemistry - A European Journal</i> , 2017, 23, 9525-9534.	1.7	19
68	Study of Xenon Mobility in the Two Forms of MIL-53(Al) Using Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19262-19268.	1.5	19
69	^1H - ^1H double-quantum CRAMPS NMR at very-fast MAS ($\hat{\nu}/2R=35\text{kHz}$): A resolution enhancement method to probe ^1H - ^1H proximities in solids. <i>Journal of Magnetic Resonance</i> , 2009, 196, 88-91.	1.2	18
70	Observing ^{13}C - ^{13}C connectivities at high magnetic fields and very high spinning frequencies. <i>Chemical Communications</i> , 2011, 47, 6930.	2.2	18
71	Comparison of various NMR methods for the indirect detection of nitrogen-14 nuclei via protons in solids. <i>Journal of Magnetic Resonance</i> , 2015, 258, 86-95.	1.2	18
72	A soft-chemistry approach to the synthesis of amorphous calcium ortho/pyrophosphate biomaterials of tunable composition. <i>Acta Biomaterialia</i> , 2020, 103, 333-345.	4.1	18

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73	Imaging the spatial distribution of radiofrequency field, sample and temperature in MAS NMR rotor. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 87, 137-142.	1.5	17
74	Observation of proximities between spin-1/2 and quadrupolar nuclei in solids: Improved robustness to chemical shielding using adiabatic symmetry-based recoupling. <i>Solid State Nuclear Magnetic Resonance</i> , 2018, 94, 7-19.	1.5	16
75	Efficiency at high spinning frequencies of heteronuclear decoupling methods designed to quench rotary resonance. <i>Solid State Nuclear Magnetic Resonance</i> , 2011, 40, 21-26.	1.5	15
76	Quantitative cross-polarization at magic-angle spinning frequency of about 20kHz. <i>Journal of Magnetic Resonance</i> , 2012, 214, 340-345.	1.2	15
77	Evaluation of excitation schemes for indirect detection of ^{14}N via solid-state HMQC NMR experiments. <i>Journal of Magnetic Resonance</i> , 2019, 303, 28-41.	1.2	15
78	β -Independent through-space hetero-nuclear correlation between spin-1/2 and quadrupolar nuclei in solids. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 84, 216-226.	1.5	14
79	Recent Developments in NMR Studies of Aluminophosphates. <i>Annual Reports on NMR Spectroscopy</i> , 2018, 94, 113-185.	0.7	14
80	Analysis of HMQC experiments applied to a spin $\hat{A}^{1/2}$ nucleus subject to very large CSA. <i>Solid State Nuclear Magnetic Resonance</i> , 2019, 100, 11-25.	1.5	14
81	Indirect covariance NMR spectroscopy of through-bond homo-nuclear correlations for quadrupolar nuclei in solids under high-resolution. <i>Solid State Nuclear Magnetic Resonance</i> , 2007, 31, 163-168.	1.5	13
82	Comparison of various sampling schemes and accumulation profiles in covariance spectroscopy with exponentially decaying 2D signals. <i>Analyst</i> , 2013, 138, 2411.	1.7	13
83	gem β -Diolate Type Intermediate in the Activation of a Ketone on Sn^{IV} Zeolite as Studied by Solid State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19532-19538.	7.2	13
84	A New Donor-Stabilized Tungsten Amido Alkoxido Species: Synthesis, Crystal Structure, Fluxionality, and Grafting onto Silica. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5541-5547.	1.0	12
85	^{95}Mo Solid-State Nuclear Magnetic Resonance Spectroscopy and Quantum Simulations: Synergistic Tools for the Study of Molybdenum Cluster Materials. <i>Inorganic Chemistry</i> , 2013, 52, 617-627.	1.9	12
86	Synergic Effect of Active Sites in Zinc-Modified ZSM-5 Zeolites as Revealed by High-Field Solid State NMR Spectroscopy. <i>Angewandte Chemie</i> , 2016, 128, 16058-16062.	1.6	12
87	^{14}N overtone nuclear magnetic resonance of rotating solids. <i>Journal of Chemical Physics</i> , 2018, 149, 064201.	1.2	12
88	High-resolution ^{14}N -edited ^1H - ^{13}C correlation NMR experiment to study biological solids. <i>Journal of Magnetic Resonance</i> , 2008, 194, 317-320.	1.2	11
89	Fast acquisition of multidimensional NMR spectra of solids and mesophases using alternative sampling methods. <i>Magnetic Resonance in Chemistry</i> , 2015, 53, 927-939.	1.1	11
90	Probing the aluminum complexation by Siberian riverine organic matter using solid-state DNP-NMR. <i>Chemical Geology</i> , 2017, 452, 1-8.	1.4	11

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91	Uniform signal enhancement in MAS NMR of half-integer quadrupolar nuclei using quadruple-frequency sweeps. <i>Journal of Magnetic Resonance</i> , 2018, 293, 92-103.	1.2	11
92	Caveat on the Actual Robustness of Heteronuclear NMR Methods for Probing the Surface of Al_2O_3 -Alumina and Related Catalysts. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12919-12927.	1.5	11
93	Rapid analysis of isotopically unmodified amino acids by high-resolution ^{14}N -edited ^1H - ^{13}C correlation NMR spectroscopy. <i>Chemical Communications</i> , 2008, , 6525.	2.2	10
94	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.	1.5	10
95	Indirect detection of broad spectra in solid-state NMR using interleaved DANTE trains. <i>Journal of Magnetic Resonance</i> , 2018, 294, 101-114.	1.2	10
96	Labeling and Probing the Silica Surface Using Mechanochemistry and ^{17}O -NMR Spectroscopy**. <i>Chemistry - A European Journal</i> , 2021, 27, 12574-12588.	1.7	10
97	Indirect NMR detection via proton of nuclei subject to large anisotropic interactions, such as ^{14}N , ^{195}Pt , and ^{35}Cl , using the T-HMQC sequence. <i>Journal of Chemical Physics</i> , 2022, 156, 064202.	1.2	10
98	Efficient transfer of DNP-enhanced ^1H magnetization to half-integer quadrupolar nuclei in solids at moderate spinning rate. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 920-939.	1.1	9
99	NMR Crystallography Reveals Carbonate Induced Al -Ordering in ZnAl Layered Double Hydroxide. <i>Chemistry - A European Journal</i> , 2021, 27, 15944-15953.	1.7	9
100	I-STMAS, a new high-resolution solid-state NMR method for half-integer quadrupolar nuclei. <i>Solid State Nuclear Magnetic Resonance</i> , 2003, 23, 213-223.	1.5	8
101	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.	1.2	8
102	High-field ^{95}Mo and ^{183}W static and MAS NMR study of polyoxometalates. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 902-908.	1.1	8
103	Improved sensitivity and quantification for ^{29}Si NMR experiments on solids using UDEFT (Uniform) T _j ETQq1 1 0.784314 rgBT /Overl 1.5	1.5	8
104	A comparison of through-space population transfers from half-integer spin quadrupolar nuclei to ^1H using MQ-HETCOR and MQ-SPAM-HETCOR under fast MAS. <i>Journal of Magnetic Resonance</i> , 2021, 329, 107028.	1.2	8
105	Accelerating the acquisition of high-resolution quadrupolar MQ/ST-HETCOR 2D spectra under fast MAS via ^1H detection and through-space population transfers. <i>Journal of Magnetic Resonance</i> , 2021, 333, 107093.	1.2	8
106	Revealing Brønsted Acidic Bridging SiOHAl Groups on Amorphous Silica-Alumina by Ultrahigh Field Solid-State NMR. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11563-11572.	2.1	8
107	Improved NMR transfer of magnetization from protons to half-integer spin quadrupolar nuclei at moderate and high magic-angle spinning frequencies. <i>Magnetic Resonance</i> , 2021, 2, 447-464.	0.8	7
108	Resolution enhancement in 1D solid-state NMR spectra of spin-9/2 quadrupolar nuclei. <i>Journal of Magnetic Resonance</i> , 2006, 180, 311-316.	1.2	6

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109	Probing proximities between different quadrupolar isotopes using multi-pulse cross-polarization. <i>Journal of Magnetic Resonance</i> , 2013, 228, 148-158.	1.2	6
110	Evaluation of ^{95}Mo Nuclear Shielding and Chemical Shift of $[\text{Mo}_6\text{X}_{14}]^{2+}$ Clusters in the Liquid Phase. <i>Inorganic Chemistry</i> , 2015, 54, 7673-7683.	1.9	6
111	^1H - ^{31}P CPVC NMR method under Very Fast Magic Angle Spinning for analysis of dipolar interactions and dynamics processes in the crystalline phosphonium tetrafluoroborate salts. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 87, 96-103.	1.5	6
112	Rotor-synchronized dipolar-filter sequence at fast MAS in solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2011, 212, 455-459.	1.2	5
113	Exploring various modulation-sideband recoupling conditions of SHA+ sequence at fast MAS. <i>Solid State Nuclear Magnetic Resonance</i> , 2013, 55-56, 42-47.	1.5	5
114	^{71}Ga - ^{77}Se connectivities and proximities in gallium selenide crystal and glass probed by solid-state NMR. <i>Journal of Magnetic Resonance</i> , 2017, 282, 71-82.	1.2	5
115	Combining heteronuclear correlation NMR with spin-diffusion to detect relayed $\text{Cl}^{\text{H}}\text{H}$ and $\text{N}^{\text{H}}\text{H}$ proximities in molecular solids. <i>Solid State Nuclear Magnetic Resonance</i> , 2022, , 101808.	1.5	5
116	Measurement of the shortest hetero-nuclear distances in multiple-spin systems using constant-time correlation NMR methods. <i>CrystEngComm</i> , 2013, 15, 8713.	1.3	4
117	3D correlation NMR spectrum between three distinct heteronuclei for the characterization of inorganic samples: Application on sodium aluminophosphate materials. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 84, 164-170.	1.5	4
118	Local measure of the electromagnetic field in magnetic resonance coils: How do simulations help to disentangle the contributions of the electric and magnetic fields?. <i>Solid State Nuclear Magnetic Resonance</i> , 2017, 82-83, 1-9.	1.5	4
119	Forcing the H^{TM} protons to work. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25829-25840.	1.3	4
120	Synthesis, Crystal and Electronic Structures, and Magnetic Properties of $\text{LiLn}_9\text{Mo}_{16}\text{O}_{35}$ (Ln=La, Ce, Pr, and Nd) Compounds Containing the Original Cluster $\text{Mo}_{16}\text{O}_{36}$. <i>Chemistry - A European Journal</i> , 2011, 17, 13806-13813.	1.7	3
121	Glass to crystal transformation in the ternary $\text{BaO-Nb}_2\text{O}_5\text{-P}_2\text{O}_5$ system. <i>Journal of Molecular Structure</i> , 2017, 1143, 472-477.	1.8	3
122	Recording ^{13}C - ^{15}N HMQC 2D sparse spectra in solids in 30 s. <i>Journal of Magnetic Resonance</i> , 2018, 288, 76-83.	1.2	3
123	Simple and Robust Study of Backbone Dynamics of Crystalline Proteins Employing ^{15}N Dipolar Coupling Dispersion. <i>Journal of Physical Chemistry B</i> , 2018, 122, 8146-8156.	1.2	3
124	Rationalization of solid-state NMR multi-pulse decoupling strategies: Coupling of spin $l = \frac{1}{2}$ and half-integer quadrupolar nuclei. <i>Journal of Magnetic Resonance</i> , 2019, 303, 48-56.	1.2	3
125	Through-space ^{11}B - ^{27}Al correlation: Influence of the recoupling channel. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 1062-1076.	1.1	3
126	gem-Diol Type Intermediate in the Activation of a Ketone on Sn^{II} Zeolite as Studied by Solid-State NMR Spectroscopy. <i>Angewandte Chemie</i> , 2020, 132, 19700-19706.	1.6	2

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127	Probing ²⁹ Si- ¹⁷ O connectivities and proximities by solid-state NMR. Journal of Magnetic Resonance, 2021, 330, 107029.	1.2	2
128	Hadamard acquisition of ¹³ C ↔ ¹³ C 2D correlation NMR spectra. Magnetic Resonance in Chemistry, 2021, 59, 247-256.	1.1	1