

# Deni Mance

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

1,461  
citations

361413

20  
h-index

330143

37  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Dynamic Nuclear Polarization at 800 MHz/527 GHz with Trityl-Nitroxide Biradicals. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11770-11774.	13.8	172
2	EGFR Dynamics Change during Activation in Native Membranes as Revealed by NMR. <i>Cell</i> , 2016, 167, 1241-1251.e11.	28.9	153
3	Engineering the Cu/Mo <sub>2</sub> CT <sub>x</sub> (MXene) interface to drive CO <sub>2</sub> hydrogenation to methanol. <i>Nature Catalysis</i> , 2021, 4, 860-871.	34.4	138
4	Probing a cell-embedded megadalton protein complex by DNP-supported solid-state NMR. <i>Nature Methods</i> , 2015, 12, 649-652.	19.0	124
5	<sup>1</sup> H-Detected Solid-State NMR Studies of Water-Inaccessible Proteins In-Vitro and In-Situ. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13606-13610.	13.8	78
6	The magnetic field dependence of cross-effect dynamic nuclear polarization under magic angle spinning. <i>Journal of Chemical Physics</i> , 2015, 142, 234201.	3.0	71
7	Insight into the Supramolecular Architecture of Intact Diatom Biosilica from DNP-Supported Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15069-15073.	13.8	68
8	An Efficient Labelling Approach to Harness Backbone and Side-Chain Protons in <sup>1</sup> H-Detected Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15799-15803.	13.8	55
9	Propane Dehydrogenation on Ga <sub>2</sub> O <sub>3</sub> -Based Catalysts: Contrasting Performance with Coordination Environment and Acidity of Surface Sites. <i>ACS Catalysis</i> , 2021, 11, 907-924.	11.2	55
10	High resolution observed in 800 MHz DNP spectra of extremely rigid type III secretion needles. <i>Journal of Biomolecular NMR</i> , 2016, 65, 121-126.	2.8	49
11	Relevance of the Mo-precursor state in H-ZSM-5 for methane dehydroaromatization. <i>Catalysis Science and Technology</i> , 2018, 8, 916-922.	4.1	47
12	Atomically dispersed iridium on MgO(111) nanosheets catalyses benzene-ethylene coupling towards styrene. <i>Nature Catalysis</i> , 2021, 4, 968-975.	34.4	35
13	Diastereoisomers of <i>l</i> -proline-linked trityl-nitroxide biradicals: synthesis and effect of chiral configurations on exchange interactions. <i>Chemical Science</i> , 2018, 9, 4381-4391.	7.4	33
14	Formation of the Î <sup>2</sup> -barrel assembly machinery complex in lipid bilayers as seen by solid-state NMR. <i>Nature Communications</i> , 2018, 9, 4135.	12.8	30
15	Supramolecular Organization and Functional Implications of K <sup>+</sup> -Channel Clusters in Membranes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13222-13227.	13.8	28
16	A DNP-supported solid-state NMR study of carbon species in fluid catalytic cracking catalysts. <i>Chemical Communications</i> , 2017, 53, 3933-3936.	4.1	27
17	Studying assembly of the BAM complex in native membranes by cellular solid-state NMR spectroscopy. <i>Journal of Structural Biology</i> , 2019, 206, 1-11.	2.8	26
18	Well-Defined Silica-Supported Tungsten(IV)-Oxo Complex: Olefin Metathesis Activity, Initiation, and Role of Brønsted Acid Sites. <i>Journal of the American Chemical Society</i> , 2019, 141, 18286-18292.	13.7	24

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19	Nâ€Heterocyclic Carbene Coordination to Surface Copper Sites in Selective Semihydrogenation Catalysts from Solidâ€State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19999-20007.	13.8	24
20	Silicaâ€Supported Molybdenum Oxo Alkylidenes: Bridging the Gap between Internal and Terminal Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11816-11819.	13.8	19
21	CO <sub>2</sub> Hydrogenation to CH <sub>3</sub> OH on Supported Cu Nanoparticles: Nature and Role of Ti in Bulk Oxides vs Isolated Surface Sites. <i>Journal of Physical Chemistry C</i> , 2019, 123, 31082-31093.	3.1	19
22	Microwave synthesis of delaminated acid saponites using quaternary ammonium salt or polymer as template. Study of pH influence. <i>Applied Clay Science</i> , 2015, 114, 20-30.	5.2	18
23	Bulk and surface transformations of Ga <sub>2</sub> O <sub>3</sub> nanoparticle catalysts for propane dehydrogenation induced by a H <sub>2</sub> treatment. <i>Journal of Catalysis</i> , 2022, 408, 155-164.	6.2	18
24	Proton-Detected Multidimensional Solid-State NMR Enables Precise Characterization of Vanadium Surface Species at Natural Abundance. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7898-7904.	4.6	12
25	A Formulation Protocol with Pyridine to Enable Dynamic Nuclear Polarization Surface-Enhanced NMR Spectroscopy on Reactive Surface Sites: Case Study with Olefin Polymerization and Metathesis Catalysts. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3401-3407.	4.6	12
26	A Twoâ€Tailed Phosphopeptide Crystallizes to Form a Lamellar Structure. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3252-3255.	13.8	10
27	Silicaâ€Supported Cationic Tungsten Imido Alkylidene Stabilized by an N â€Heterocyclic Carbene Ligand Boosts Activity and Selectivity in the Metathesis of Î±â€Olefins. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000161.	1.6	10
28	Catalytic Imido-Transfer Reactions of Well-Defined Silica-Supported Titanium Imido Complexes Prepared via Surface Organometallic Chemistry. <i>Organometallics</i> , 2020, 39, 1014-1023.	2.3	10
29	Uncovering selective and active Ga surface sites in galliaâ€alumina mixed-oxide propane dehydrogenation catalysts by dynamic nuclear polarization surface enhanced NMR spectroscopy. <i>Chemical Science</i> , 2021, 12, 15273-15283.	7.4	10
30	Boosting the Metathesis Activity of Molybdenum Oxo Alkylidenes by Tuning the Anionic Ligand Î¶ Donation. <i>Inorganic Chemistry</i> , 2021, 60, 6875-6880.	4.0	9
31	<sup>1</sup>Hâ€detektierte FestkÃ¶rperâ€NMRâ€Studien wasserunzugÃ¤nglicher Proteine inâ€...vitro und inâ€...situ. <i>Angewandte Chemie</i> , 2016, 128, 13804-13808.	2.0	6
32	Design of 4â€Coordinate Ti Imido Aryloxide on the Surface of Silica for Catalytic Oxo/Imido Heterometathesis. <i>Helvetica Chimica Acta</i> , 2022, 105, .	1.6	4
33	Silicaâ€Supported Molybdenum Oxo Alkylidenes: Bridging the Gap between Internal and Terminal Olefin Metathesis. <i>Angewandte Chemie</i> , 2019, 131, 11942-11945.	2.0	3
34	Nâ€Heterocyclic Carbene Coordination to Surface Copper Sites in Selective Semihydrogenation Catalysts from Solidâ€State NMR Spectroscopy. <i>Angewandte Chemie</i> , 2020, 132, 20174-20182.	2.0	3
35	Rapid Prediction of Multi-dimensional NMR Data Sets Using FANDAS. <i>Methods in Molecular Biology</i> , 2018, 1688, 111-132.	0.9	3
36	Solid-State NMR on Complex Biomolecules: Methods and Applications. , 2018, , 487-503.		3

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37	Supramolekulare Organisation und funktionale Auswirkungen von Ballungen von K <sup>+</sup> -Kanälen in Membranen. Angewandte Chemie, 2017, 129, 13404-13409.	2.0	1
38	A Two-Tailed Phosphopeptide Crystallizes to Form a Lamellar Structure. Angewandte Chemie, 2017, 129, 3300-3303.	2.0	0
39	Frontispiece: Supramolecular Organization and Functional Implications of K <sup>+</sup> -Channel Clusters in Membranes. Angewandte Chemie - International Edition, 2017, 56, .	13.8	0
40	Frontispiz: Supramolekulare Organisation und funktionale Auswirkungen von Ballungen von K <sup>+</sup> -Kanälen in Membranen. Angewandte Chemie, 2017, 129, .	2.0	0
41	Solid-State NMR on Complex Biomolecules: Methods and Applications. , 2016, , 1-17.		0