

Deni Mance

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6474082/publications.pdf>

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 | Bulk and surface transformations of Ga ₂ O ₃ nanoparticle catalysts for propane dehydrogenation induced by a H ₂ treatment. <i>Journal of Catalysis</i> , 2022, 408, 155-164. | 6.2 | 18 |
| 2 | Design of 4-Coordinate Ti Imido Aryloxo on the Surface of Silica for Catalytic Oxo/Imido Heterometathesis. <i>Helvetica Chimica Acta</i> , 2022, 105, . | 1.6 | 4 |
| 3 | Propane Dehydrogenation on Ga ₂ O ₃ -Based Catalysts: Contrasting Performance with Coordination Environment and Acidity of Surface Sites. <i>ACS Catalysis</i> , 2021, 11, 907-924. | 11.2 | 55 |
| 4 | Boosting the Metathesis Activity of Molybdenum Oxo Alkylidenes by Tuning the Anionic Ligand π Donation. <i>Inorganic Chemistry</i> , 2021, 60, 6875-6880. | 4.0 | 9 |
| 5 | Engineering the Cu/Mo ₂ C ₂ x (MXene) interface to drive CO ₂ hydrogenation to methanol. <i>Nature Catalysis</i> , 2021, 4, 860-871. | 34.4 | 138 |
| 6 | Atomically dispersed iridium on MgO(111) nanosheets catalyses benzene-ethylene coupling towards styrene. <i>Nature Catalysis</i> , 2021, 4, 968-975. | 34.4 | 35 |
| 7 | Uncovering selective and active Ga surface sites in gallia-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 |
| 8 | Silica-Supported Cationic Tungsten Imido Alkylidene Stabilized by an N-Heterocyclic Carbene Ligand Boosts Activity and Selectivity in the Metathesis of α -Olefins. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000161. | 1.6 | 10 |
| 9 | N-Heterocyclic Carbene Coordination to Surface Copper Sites in Selective Semihydrogenation Catalysts from Solid-State NMR Spectroscopy. <i>Angewandte Chemie</i> , 2020, 132, 20174-20182. | 2.0 | 3 |
| 10 | N-Heterocyclic Carbene Coordination to Surface Copper Sites in Selective Semihydrogenation Catalysts from Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19999-20007. | 13.8 | 24 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Silica-Supported Molybdenum Oxo Alkylidenes: Bridging the Gap between Internal and Terminal Olefin Metathesis. <i>Angewandte Chemie</i> , 2019, 131, 11942-11945. | 2.0 | 3 |
| 15 | Silica-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 |
| 16 | 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 |
| 17 | CO ₂ Hydrogenation to CH ₃ 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Diastereoisomers of α -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 |
| 20 | 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 |
| 21 | Formation of the β -barrel assembly machinery complex in lipid bilayers as seen by solid-state NMR. <i>Nature Communications</i> , 2018, 9, 4135. | 12.8 | 30 |
| 22 | Rapid Prediction of Multi-dimensional NMR Data Sets Using FANDAS. <i>Methods in Molecular Biology</i> , 2018, 1688, 111-132. | 0.9 | 3 |
| 23 | Solid-State NMR on Complex Biomolecules: Methods and Applications. , 2018, , 487-503. | | 3 |
| 24 | 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 |
| 25 | A Two-tailed Phosphopeptide Crystallizes to Form a Lamellar Structure. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3252-3255. | 13.8 | 10 |
| 26 | A Two-tailed Phosphopeptide Crystallizes to Form a Lamellar Structure. <i>Angewandte Chemie</i> , 2017, 129, 3300-3303. | 2.0 | 0 |
| 27 | Frontispiece: Supramolecular Organization and Functional Implications of K^+ Channel Clusters in Membranes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, . | 13.8 | 0 |
| 28 | Supramolekulare Organisation und funktionale Auswirkungen von Ballungen von K^+ Kanälen in Membranen. <i>Angewandte Chemie</i> , 2017, 129, 13404-13409. | 2.0 | 1 |
| 29 | Supramolecular Organization and Functional Implications of K^+ Channel Clusters in Membranes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13222-13227. | 13.8 | 28 |
| 30 | Frontispiz: Supramolekulare Organisation und funktionale Auswirkungen von Ballungen von K^+ Kanälen in Membranen. <i>Angewandte Chemie</i> , 2017, 129, . | 2.0 | 0 |
| 31 | 1H -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 |
| 32 | 1H -detektierte Festkörperrperr-NMR-Studien wasserunzugänglicher Proteine in $vitro$ und in $situ$. <i>Angewandte Chemie</i> , 2016, 128, 13804-13808. | 2.0 | 6 |
| 33 | EGFR Dynamics Change during Activation in Native Membranes as Revealed by NMR. <i>Cell</i> , 2016, 167, 1241-1251.e11. | 28.9 | 153 |
| 34 | 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 |
| 35 | Solid-State NMR on Complex Biomolecules: Methods and Applications. , 2016, , 1-17. | | 0 |
| 36 | An Efficient Labelling Approach to Harness Backbone and Side-Chain Protons in 1H -Detected Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15799-15803. | 13.8 | 55 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | Probing a cell-embedded megadalton protein complex by DNP-supported solid-state NMR. <i>Nature Methods</i> , 2015, 12, 649-652. | 19.0 | 124 |
| 41 | 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 |