

Ta-Chung Ong

List of Publications by Year in descending order

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29
papers

1,863
citations

331670

21
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

3233
citing authors

#	ARTICLE	IF	CITATIONS
1	Icosahedral <i>m</i> -Carboranes Containing Exopolyhedral B-Se and B-Te Bonds. <i>Inorganic Chemistry</i> , 2021, 60, 19165-19174.	4.0	2
2	Colloidal-ALD-Grown Core/Shell CdSe/CdS Nanoplatelets as Seen by DNP Enhanced PASS-PIETA NMR Spectroscopy. <i>Nano Letters</i> , 2020, 20, 3003-3018.	9.1	24
3	The η^2 -Agostic Structure in $(C_5Me_5)_2Sc(CH_2CH_3)_2$: Solid-State NMR Studies of $(C_5Me_5)_2Sc^{\eta^2}R$ (R=Me, Ph, Et). <i>Journal of the American Chemical Society</i> , 2017, 139, 7729-7732.	13.7	97
4	Resolving the Core and the Surface of CdSe Quantum Dots and Nanoplatelets Using Dynamic Nuclear Polarization Enhanced PASS-PIETA NMR Spectroscopy. <i>ACS Central Science</i> , 2018, 4, 1113-1125.	11.3	46
5	The η^2 -Agostic Structure in $(C_5Me_5)_2Sc(CH_2CH_3)_2$: Solid-State NMR Studies of $(C_5Me_5)_2Sc^{\eta^2}R$ (R=Me, Ph, Et). <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9520-9523.	13.8	26
6	Tailored Polarizing Hybrid Solids with Nitroxide Radicals Localized in Mesostructured Silica Walls. <i>Helvetica Chimica Acta</i> , 2017, 100, e1700101.	1.6	24
7	Cage-Walking: Vertex Differentiation by Palladium-Catalyzed Isomerization of B(9)-Bromo- <i>meta</i> -Carborane. <i>Journal of the American Chemical Society</i> , 2017, 139, 7729-7732.	13.7	97
8	Molecular Structure and Confining Environment of Sn Sites in Single-Site Chabazite Zeolites. <i>Chemistry of Materials</i> , 2017, 29, 8824-8837.	6.7	44
9	Protein-nucleotide contacts in motor proteins detected by DNP-enhanced solid-state NMR. <i>Journal of Biomolecular NMR</i> , 2017, 69, 157-164.	2.8	19
10	Active Sites in Supported Single-Site Catalysts: An NMR Perspective. <i>Journal of the American Chemical Society</i> , 2017, 139, 10588-10596.	13.7	103
11	Dendritic polarizing agents for DNP SENS. <i>Chemical Science</i> , 2017, 8, 416-422.	7.4	35
12	Atomistic Description of Reaction Intermediates for Supported Metathesis Catalysts Enabled by DNP SENS. <i>Angewandte Chemie</i> , 2016, 128, 4821-4825.	2.0	6
13	Identifying Sn Site Heterogeneities Prevalent Among Sn β Zeolites. <i>Helvetica Chimica Acta</i> , 2016, 99, 916-927.	1.6	44
14	Atomistic Description of Reaction Intermediates for Supported Metathesis Catalysts Enabled by DNP SENS. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4743-4747.	13.8	52
15	Biosilica-Entrapped Enzymes Studied by Using Dynamic Nuclear Polarization-Enhanced High-Field NMR Spectroscopy. <i>ChemPhysChem</i> , 2015, 16, 2751-2754.	2.1	30
16	Structural Insights into Bound Water in Crystalline Amino Acids: Experimental and Theoretical ^{17}O NMR. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8024-8036.	2.6	35
17	Dynamic DMF Binding in MOF-5 Enables the Formation of Metastable Cobalt-Substituted MOF-5 Analogues. <i>ACS Central Science</i> , 2015, 1, 252-260.	11.3	123
18	Formation of organic molecular nanocrystals under soft confinement. <i>CrystEngComm</i> , 2015, 17, 6044-6052.	2.6	17

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19	Structure of Colloidal Quantum Dots from Dynamic Nuclear Polarization Surface Enhanced NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2015, 137, 13964-13971.	13.7	105
20	Sensitivity-Enhanced NMR Reveals Alterations in Protein Structure by Cellular Milieus. <i>Cell</i> , 2015, 163, 620-628.	28.9	126
21	Zeolite Y adsorbents with high vapor uptake capacity and robust cycling stability for potential applications in advanced adsorption heat pumps. <i>Microporous and Mesoporous Materials</i> , 2015, 201, 151-159.	4.4	36
22	Designed Single-Step Synthesis, Structure, and Derivative Textural Properties of Well-Ordered Layered Penta-coordinate Silicon Alcoholate Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 6315-6323.	3.3	3
23	Topical Developments in High-Field Dynamic Nuclear Polarization. <i>Israel Journal of Chemistry</i> , 2014, 54, 207-221.	2.3	40
24	Formation of organic molecular nanocrystals under rigid confinement with analysis by solid state NMR. <i>CrystEngComm</i> , 2014, 16, 9345-9352.	2.6	19
25	One-pot solvothermal synthesis of a well-ordered layered sodium aluminohydroxide complex: a useful precursor for the preparation of porous Al ₂ O ₃ particles. <i>CrystEngComm</i> , 2014, 16, 2950-2958.	2.6	6
26	Thiophene-based covalent organic frameworks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 4923-4928.	7.1	291
27	Solvent-Free Dynamic Nuclear Polarization of Amorphous and Crystalline <i>ortho</i> -Terphenyl. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3040-3046.	2.6	71
28	Phenyl Ring Dynamics in a Tetraphenylethylene-Bridged Metal-Organic Framework: Implications for the Mechanism of Aggregation-Induced Emission. <i>Journal of the American Chemical Society</i> , 2012, 134, 15061-15070.	13.7	368
29	Lipid Dynamics and Protein-Lipid Interactions in 2D Crystals Formed with the β -Barrel Integral Membrane Protein VDAC1. <i>Journal of the American Chemical Society</i> , 2012, 134, 6375-6387.	13.7	65