

# Andrei Gurinov

## List of Publications by Year in descending order

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9  
papers

222  
citations

1163117  
8  
h-index

1474206  
9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

419  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive surface organometallic complexes observed using dynamic nuclear polarization surface enhanced NMR spectroscopy. <i>Chemical Science</i> , 2017, 8, 284-290.	7.4	55
2	A site-sensitive quasi-in situ strategy to characterize Mo/HZSM-5 during activation. <i>Journal of Catalysis</i> , 2019, 370, 321-331.	6.2	40
3	Surface enhanced dynamic nuclear polarization solid-state NMR spectroscopy sheds light on Brønsted-Lewis acid synergy during the zeolite catalyzed methanol-to-hydrocarbon process. <i>Chemical Science</i> , 2019, 10, 8946-8954.	7.4	30
4	Predicting the DNP-SENS efficiency in reactive heterogeneous catalysts from hydrophilicity. <i>Chemical Science</i> , 2018, 9, 4866-4872.	7.4	24
5	Exploiting the interactions between the ruthenium Hoveyda-Grubbs catalyst and Al-modified mesoporous silica: the case of SBA15 vs. KCC-1. <i>Chemical Science</i> , 2018, 9, 3531-3537.	7.4	18
6	Mixed-Valence Compounds as Polarizing Agents for Overhauser Dynamic Nuclear Polarization in Solids**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15371-15375.	13.8	18
7	Atomic-level organization of vicinal acid-base pairs through the chemisorption of aniline and derivatives onto mesoporous SBA15. <i>Chemical Science</i> , 2016, 7, 6099-6105.	7.4	16
8	From single-site tantalum complexes to nanoparticles of Ta <sub>x</sub> N <sub>y</sub> and TaO <sub>x</sub> N <sub>y</sub> supported on silica: elucidation of synthesis chemistry by dynamic nuclear polarization surface enhanced NMR spectroscopy and X-ray absorption spectroscopy. <i>Chemical Science</i> , 2017, 8, 5650-5661.	7.4	14
9	Solvent-Free Synthesis of Quaternary Metal Sulfide Nanoparticles Derived from Thiourea. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700183.	2.3	7