

# Andrey A Gurinov

## List of Publications by Year in descending order

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37  
papers

1,092  
citations

430874

18  
h-index

395702

33  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1967  
citing authors

#	ARTICLE	IF	CITATIONS
1	The structure and binding mode of citrate in the stabilization of gold nanoparticles. <i>Nature Chemistry</i> , 2017, 9, 890-895.	13.6	222
2	“Hexagonal Molybdenum Trioxide” Known for 100 Years and Still a Fount of New Discoveries. <i>Inorganic Chemistry</i> , 2010, 49, 9400-9408.	4.0	102
3	Enzymatically degradable hybrid organic–inorganic bridged silsesquioxane nanoparticles for in vitro imaging. <i>Nanoscale</i> , 2015, 7, 15046-15050.	5.6	67
4	Reactive surface organometallic complexes observed using dynamic nuclear polarization surface enhanced NMR spectroscopy. <i>Chemical Science</i> , 2017, 8, 284-290.	7.4	55
5	Geometrical Features of Hydrogen Bonded Complexes Involving Sterically Hindered Pyridines. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10872-10879.	2.5	51
6	Mutable Lewis and Brønsted Acidity of Aluminated SBA-15 as Revealed by NMR of Adsorbed Pyridine- <sup>15</sup> N. <i>Langmuir</i> , 2011, 27, 12115-12123.	3.5	50
7	Periodic Mesoporous Organosilica Nanoparticles with Controlled Morphologies and High Drug/Dye Loadings for Multicargo Delivery in Cancer Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 9607-9615.	3.3	46
8	Difference between <sup>1</sup> H NMR signals of primary amide protons as a simple spectral index of the amide intramolecular hydrogen bond strength. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 287-295.	1.9	44
9	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
10	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
11	<i>In Vitro</i> and <i>In Vivo</i> Studies on HPMA-Based Polymeric Micelles Loaded with Curcumin. <i>Molecular Pharmaceutics</i> , 2021, 18, 1247-1263.	4.6	29
12	Dual responsive dysprosium-doped hydroxyapatite particles and toxicity reduction after functionalization with folic and glucuronic acids. <i>Materials Science and Engineering C</i> , 2015, 48, 541-547.	7.3	28
13	FTIR study of the hydrogen bond symmetry in protonated homodimers of pyridine and collidine in solution. <i>Journal of Molecular Structure</i> , 2012, 1018, 39-44.	3.6	27
14	Does Water Affect the Acidity of Surfaces? The Proton-Donating Ability of Silanol and Carboxylic Acid Groups at Mesoporous Silica. <i>ChemPhysChem</i> , 2012, 13, 2282-2285.	2.1	24
15	How Short is the Strongest Hydrogen Bond in the Proton-Bound Homodimers of Pyridine Derivatives?. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10804-10812.	2.5	24
16	Predicting the DNP-SENS efficiency in reactive heterogeneous catalysts from hydrophilicity. <i>Chemical Science</i> , 2018, 9, 4866-4872.	7.4	24
17	NMR Study of Solvation Effect on the Geometry of Proton-Bound Homodimers of Increasing Size. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8697-8705.	2.5	21
18	Imine Metathesis Catalyzed by a Silica-Supported Hafnium Imido Complex. <i>ACS Catalysis</i> , 2018, 8, 9440-9446.	11.2	20

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19	Study of Structure of Industrial Acid Hydrolysis Lignin, Oxidized in the H <sub>2</sub> O <sub>2</sub> -H <sub>2</sub> SO <sub>4</sub> System. <i>Journal of Wood Chemistry and Technology</i> , 2016, 36, 259-269.	1.7	19
20	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
21	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
22	Perovskites with the Framework Forming Xenon. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14340-14344.	13.8	16
23	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
24	Highly Efficient Trityl Nitroxide Biradicals for Biomolecular High Field Dynamic Nuclear Polarization. <i>Chemistry - A European Journal</i> , 2021, 27, 12758-12762.	3.3	16
25	Dysprosium-containing layered double hydroxides nanoparticles intercalated with biologically active species as an approach for theranostic systems. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 203, 7-12.	3.5	14
26	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
27	Chemical structure and physicochemical properties of oxidized hydrolysis lignin. <i>Russian Journal of Applied Chemistry</i> , 2015, 88, 1295-1303.	0.5	10
28	Energy Analysis of Competing Non-Covalent Interaction in 1:1 and 1:2 Adducts of Collidine with Benzoic Acids by Means of X-Ray Diffraction. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013, 227, 775-790.	2.8	9
29	Reaction Mechanism of Pd Catalyzed $\alpha$ -CO Free Carbonylation Reaction Uncovered by In Situ Spectroscopy: The Formyl Mechanism. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3422-3427.	13.8	9
30	Synthesis of novel silica-gel-supported thiosemicarbazide and its properties for solid phase extraction of mercury. <i>Separation Science and Technology</i> , 2016, 51, 1103-1111.	2.5	7
31	Solvent Free Synthesis of Quaternary Metal Sulfide Nanoparticles Derived from Thiourea. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1700183.	2.3	7
32	Immobilization of Guanazyl Functional Groups on Silica for Solid-Phase Extraction of Metal Ions. <i>Analytical Letters</i> , 2014, 47, 2665-2681.	1.8	4
33	Spectrophotometric investigations of protonated forms of heterocyclic compounds. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2012, 113, 275-278.	0.6	3
34	Preparation and properties of silica gel with immobilized formazan group. <i>Russian Journal of Applied Chemistry</i> , 2016, 89, 590-597.	0.5	3
35	Reaction Mechanism of Pd Catalyzed $\alpha$ -CO Free Carbonylation Reaction Uncovered by In Situ Spectroscopy: The Formyl Mechanism. <i>Angewandte Chemie</i> , 2021, 133, 3464-3469.	2.0	3
36	Acridine a Promising Fluorescence Probe of Non-Covalent Molecular Interactions. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013, 227, 857-868.	2.8	1

#	ARTICLE	IF	CITATIONS
37	Gemischivalente Verbindungen als polarisierende Mittel für die dynamische Kernüberhauser-Polarisation in Festkörpern**. Angewandte Chemie, 2021, 133, 15499-15503.	2.0	0