

# Andrew Solovyov

## List of Publications by Year in descending order

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27  
papers

885  
citations

687363

13  
h-index

552781

26  
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27  
docs citations

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times ranked

1267  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acid-Base Bifunctional and Dielectric Outer-Sphere Effects in Heterogeneous Catalysis: A Comparative Investigation of Model Primary Amine Catalysts. <i>Journal of the American Chemical Society</i> , 2006, 128, 3737-3747.	13.7	271
2	A bioinspired approach for controlling accessibility in calix[4]arene-bound metal cluster catalysts. <i>Nature Chemistry</i> , 2010, 2, 1062-1068.	13.6	103
3	Postsynthetic Modification of Gold Nanoparticles with Calix[4]arene Enantiomers: Origin of Chiral Surface Plasmon Resonance. <i>Langmuir</i> , 2009, 25, 153-158.	3.5	68
4	Synthesis and Characterization of Accessible Metal Surfaces in Calixarene-Bound Gold Nanoparticles. <i>Langmuir</i> , 2009, 25, 10548-10553.	3.5	67
5	Outer-Sphere Control of Catalysis on Surfaces: A Comparative Study of Ti(IV) Single-Sites Grafted on Amorphous versus Crystalline Silicates for Alkene Epoxidation. <i>Journal of the American Chemical Society</i> , 2018, 140, 4956-4960.	13.7	62
6	The Role of Outer-Sphere Surface Acidity in Alkene Epoxidation Catalyzed by Calixarene-Ti(IV) Complexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 15585-15595.	13.7	61
7	Bulky Calixarene Ligands Stabilize Supported Iridium Pair-Site Catalysts. <i>Journal of the American Chemical Society</i> , 2019, 141, 4010-4015.	13.7	34
8	Accessible gold clusters using calix[4]arene N-heterocyclic carbene and phosphine ligands. <i>Dalton Transactions</i> , 2013, 42, 12762.	3.3	28
9	Allyl-Calix[4]arene Catalysts for Asymmetric Meerwein-Ponndorf-Verley Reduction. <i>ACS Catalysis</i> , 2014, 4, 2492-2495.	11.2	26
10	Complexation of upper rim phosphorylated calix[4]arenes with uracil derivatives in water-containing solution. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 578-585.	1.9	24
11	Dialing in single-site reactivity of a supported calixarene-protected tetrairidium cluster catalyst. <i>Chemical Science</i> , 2017, 8, 4951-4960.	7.4	18
12	Stabilization of coordinatively unsaturated Ir <sub>4</sub> clusters with bulky ligands: a comparative study of chemical and mechanical effects. <i>Dalton Transactions</i> , 2012, 41, 2091-2099.	3.3	17
13	Complexation of tetrapropoxycalix[4]arene with uracil and adenine derivatives in water-containing solution. <i>Journal of Physical Organic Chemistry</i> , 2003, 16, 246-252.	1.9	14
14	Patterned metal polyhedra using calixarenes as organizational scaffolds: Ir <sub>4</sub> -based cluster assemblies. <i>Dalton Transactions</i> , 2010, 39, 2194.	3.3	13
15	Accessibility in Calix[8]arene-Bound Gold Nanoparticles: Crucial Role of Induced-Fit Binding. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16060-16070.	3.1	11
16	Primary Amine Confinement at the Interface of Grafted Calixarenes and Silica. <i>Chemistry of Materials</i> , 2008, 20, 6316-6318.	6.7	10
17	Stabilizing Single Sites on Solid Supports: Robust Grafted Ti(IV)-Calixarene Olefin Epoxidation Catalysts via Surface Polymerization and Cross-Linking. <i>ACS Catalysis</i> , 2016, 6, 7760-7768.	11.2	10
18	Effect of Coordination Environment in Grafted Single-Site Ti-SiO <sub>2</sub> Olefin Epoxidation Catalysis. <i>Topics in Catalysis</i> , 2016, 59, 1110-1122.	2.8	10

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19	Graftable chiral ligands for surface organometallic materials: calixarenes bearing asymmetric centers directly attached to the lower rim. <i>New Journal of Chemistry</i> , 2008, 32, 1314.	2.8	9
20	Role of N-Heterocyclic Carbenes as Ligands in Iridium Carbonyl Clusters. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5029-5044.	2.5	7
21	Characterization of a Molecule Partially Confined at the Pore Mouth of a Zeotype. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10239-10246.	13.8	5
22	Unprecedented Increase in Affinity for Eulllover Amlllthrough Silica Grafting of a Carbamoylmethylphosphine Oxide-Calix[4]arene Site. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4542-4545.	2.0	4
23	Nanoporous gold assemblies of calixarene-phosphine-capped colloids. <i>Chemical Communications</i> , 2017, 53, 10870-10873.	4.1	4
24	Mechanical Control of Rate Processes: Effect of Ligand Steric Bulk on CO Exchange in Trisubstituted Tetrairidium Cluster Catalysts. <i>Journal of Physical Chemistry C</i> , 2020, 124, 26279-26286.	3.1	4
25	Patterned Grafted Lewis-Acid Sites on Surfaces: Olefin Epoxidation Catalysis Using Tetrameric Ti(IV)â€“Calix[4]arene Complexes. <i>Topics in Catalysis</i> , 2015, 58, 441-450.	2.8	3
26	Silica-Supported Phosphonic Acids as Thermally and Oxidatively Stable Organic Acid Sites. <i>Chemistry of Materials</i> , 2016, 28, 6166-6177.	6.7	2
27	Characterization of a Molecule Partially Confined at the Pore Mouth of a Zeotype. <i>Angewandte Chemie</i> , 2021, 133, 10327-10334.	2.0	0