

# Ryan Langeslay

## List of Publications by Year in descending order

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15  
papers

784  
citations

932766

10  
h-index

940134

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1167  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Applications of Vanadium: A Mechanistic Perspective. <i>Chemical Reviews</i> , 2019, 119, 2128-2191.	23.0	323
2	Synthesis, structure, and reactivity of crystalline molecular complexes of the $\{[C_5H_3(SiMe_3)_2]_3Th\}^+$ anion containing thorium in the formal +2 oxidation state. <i>Chemical Science</i> , 2015, 6, 517-521.	3.7	119
3	A molecular cross-linking approach for hybrid metal oxides. <i>Nature Materials</i> , 2018, 17, 341-348.	13.3	90
4	Expanding Thorium Hydride Chemistry Through $Th^{2+}$ , Including the Synthesis of a Mixed-Valent $Th^{4+}/Th^{3+}$ Hydride Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 4036-4045.	6.6	59
5	Synthesis, Structure, and Reactivity of the Sterically Crowded $Th^{3+}$ Complex $(C_5Me_5)_3Th$ Including Formation of the Thorium Carbonyl, $[(C_5Me_5)_3Th(CO)] [BPh_4]$ . <i>Journal of the American Chemical Society</i> , 2017, 139, 3387-3398.	6.6	51
6	Isolated, well-defined organovanadium(III) on silica: single-site catalyst for hydrogenation of alkenes and alkynes. <i>Chemical Communications</i> , 2017, 53, 7325-7328.	2.2	26
7	Synthesis, Structure, and Reactivity of the Ethyl Yttrium Metallocene, $(C_5Me_5)_2Y(CH_2CH_3)$ , Including Activation of Methane. <i>Journal of the American Chemical Society</i> , 2015, 137, 14716-14725.	6.6	23
8	Reactivity of Organothorium Complexes with TEMPO. <i>Inorganic Chemistry</i> , 2014, 53, 8455-8463.	1.9	21
9	Mechanistic Aspects of a Surface Organovanadium(III) Catalyst for Hydrocarbon Hydrogenation and Dehydrogenation. <i>ACS Catalysis</i> , 2019, 9, 11055-11066.	5.5	17
10	Thorium Metallocene Cation Chemistry: Synthesis and Characterization of the Bent $[(C_5Me_5)_2Th(C_6H_5)(THF)] [BPh_4]$ and the Parallel Ring $[(C_5Me_5)_2Th(NCR)_5] [BPh_4]_2$ ( $R = Me, Ph$ ) Complexes. <i>Organometallics</i> , 2018, 37, 454-458.	1.1	11
11	Development of activity-descriptor relationships for supported metal ion hydrogenation catalysts on silica. <i>Polyhedron</i> , 2018, 152, 73-83.	1.0	11
12	Nuclearity effects in supported, single-site $Fe^{II}$ hydrogenation pre-catalysts. <i>Dalton Transactions</i> , 2018, 47, 10842-10846.	1.6	9
13	Activation of Low-Valent, Multiply $\sigma$ -Bonded Group VI Dimers toward Catalytic Olefin Metathesis via Surface Organometallic Chemistry. <i>Organometallics</i> , 2020, 39, 1035-1045.	1.1	8
14	Synthetic Utility of Tetrabutylammonium Salts in Uranium Metallocene Chemistry. <i>Organometallics</i> , 2016, 35, 520-527.	1.1	7
15	Atomic layer deposition of $HfO_2$ films using carbon-free tetrakis(tetrahydroborato)hafnium and water. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, .	0.9	7