

Ryan Langeslay

List of Publications by Year in descending order

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15
papers

784
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932766

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1167
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#	ARTICLE	IF	CITATIONS
1	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
2	Activation of Low-Valent, Multiply M ⁺ Bonded Group VI Dimers toward Catalytic Olefin Metathesis via Surface Organometallic Chemistry. <i>Organometallics</i> , 2020, 39, 1035-1045.	1.1	8
3	Mechanistic Aspects of a Surface Organovanadium(III) Catalyst for Hydrocarbon Hydrogenation and Dehydrogenation. <i>ACS Catalysis</i> , 2019, 9, 11055-11066.	5.5	17
4	Catalytic Applications of Vanadium: A Mechanistic Perspective. <i>Chemical Reviews</i> , 2019, 119, 2128-2191.	23.0	323
5	A molecular cross-linking approach for hybrid metal oxides. <i>Nature Materials</i> , 2018, 17, 341-348.	13.3	90
6	Thorium Metallocene Cation Chemistry: Synthesis and Characterization of the Bent [(C ₅ Me ₅) ₂ Th(C ₆ H ₅)(THF)][BPh ₄] and the Parallel Ring [(C ₅ Me ₅) ₂ Th(NCR) ₅][BPh ₄] ₂ (R = Me, Ph) Complexes. <i>Organometallics</i> , 2018, 37, 454-458.	1.1	11
7	Nuclearity effects in supported, single-site Fe(ⁱⁱ) hydrogenation pre-catalysts. <i>Dalton Transactions</i> , 2018, 47, 10842-10846.	1.6	9
8	Development of activity ⁺ descriptor relationships for supported metal ion hydrogenation catalysts on silica. <i>Polyhedron</i> , 2018, 152, 73-83.	1.0	11
9	Synthesis, Structure, and Reactivity of the Sterically Crowded Th ³⁺ Complex (C ₅ Me ₅) ₃ Th Including Formation of the Thorium Carbonyl, [(C ₅ Me ₅) ₃ Th(CO)][BPh ₄]. <i>Journal of the American Chemical Society</i> , 2017, 139, 3387-3398.	6.6	51
10	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
11	Synthetic Utility of Tetrabutylammonium Salts in Uranium Metallocene Chemistry. <i>Organometallics</i> , 2016, 35, 520-527.	1.1	7
12	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
13	Synthesis, Structure, and Reactivity of the Ethyl Yttrium Metallocene, (C ₅ Me ₅) ₂ Y(CH ₂ CH ₃), Including Activation of Methane. <i>Journal of the American Chemical Society</i> , 2015, 137, 14716-14725.	6.6	23
14	Synthesis, structure, and reactivity of crystalline molecular complexes of the {[C ₅ H ₃ (SiMe ₃) ₂] ₃ Th} ⁺ anion containing thorium in the formal +2 oxidation state. <i>Chemical Science</i> , 2015, 6, 517-521.	3.7	119
15	Reactivity of Organothorium Complexes with TEMPO. <i>Inorganic Chemistry</i> , 2014, 53, 8455-8463.	1.9	21