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List of Publications by Year
in descending order

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52 papers	2,722 citations	185998 28 h-index	174990 52 g-index
57 all docs	57 docs citations	57 times ranked	3462 citing authors

#	Article	IF	Citations
1	Growth of Ta₂SnO₆ Films, a Candidate Wide-Band-Gap p-Type Oxide. Journal of Physical Chemistry C, 2022, 126, 3764-3775.	1.5	8
2	Thermal Atomic Layer Deposition of Gold: Mechanistic Insights, Nucleation, and Epitaxy. ACS Applied Materials & Interfaces, 2021, 13, 9091-9100.	4.0	2
3	Comparison of Ligand Architecture on Vapor Deposition Precursors: Synthesis, Characterization, and Reactivity of Volatile Cadmium Bis-Amidinate Complexes. Inorganic Chemistry, 2021, 60, 6191-6200.	1.9	2
4	Evidence for Redox Mechanisms in Organometallic Chemisorption and Reactivity on Sulfated Metal Oxides. Journal of the American Chemical Society, 2018, 140, 6308-6316.	6.6	34
5	Nuclearity effects in supported, single-site Fe(<scp>ii</scp>) hydrogenation pre-catalysts. Dalton Transactions, 2018, 47, 10842-10846.	1.6	9
6	Zirconium Modification Promotes Catalytic Activity of a Single-Site Cobalt Heterogeneous Catalyst for Propane Dehydrogenation. ACS Omega, 2018, 3, 11117-11127.	1.6	43
7	Development of activityâ€“descriptor relationships for supported metal ion hydrogenation catalysts on silica. Polyhedron, 2018, 152, 73-83.	1.0	11
8	Template-Free Vapor-Phase Growth of PatrÃ³nite by Atomic Layer Deposition. Chemistry of Materials, 2017, 29, 2864-2873.	3.2	37
9	Oxidation State Discrimination in the Atomic Layer Deposition of Vanadium Oxides. Chemistry of Materials, 2017, 29, 6238-6244.	3.2	16
10	The Nature of the Isolated Gallium Active Center for Propane Dehydrogenation on Ga/SiO2. Catalysis Letters, 2017, 147, 1252-1262.	1.4	54
11	Crystalline WS₂ via Room Temperature, Solution-Phase Synthesis. Inorganic Chemistry, 2017, 56, 106-109.	1.9	2
12	Single-site zinc on silica catalysts for propylene hydrogenation and propane dehydrogenation: Synthesis and reactivity evaluation using an integrated atomic layer deposition-catalysis instrument. Journal of Catalysis, 2017, 345, 170-182.	3.1	76
13	Supported Aluminum Catalysts for Olefin Hydrogenation. ACS Catalysis, 2017, 7, 689-694.	5.5	25
14	Conformal Coating of a Phase Change Material on Ordered Plasmonic Nanorod Arrays for Broadband All-Optical Switching. ACS Nano, 2017, 11, 693-701.	7.3	55
15	Silica-Supported, Single-Site Sc and Y Alkyls for Catalytic Hydrogenation of Propylene. Organometallics, 2017, 36, 3677-3685.	1.1	15
16	Organometallic model complexes elucidate the active gallium species in alkane dehydrogenation catalysts based on ligand effects in Ga K-edge XANES. Catalysis Science and Technology, 2016, 6, 6339-6353.	2.1	90
17	Synthetic and Spectroscopic Study of the Mechanism of Atomic Layer Deposition of Tin Dioxide. Organometallics, 2016, 35, 1202-1208.	1.1	12
18	Monomolecular Siloxane Film as a Model of Single Site Catalysts. Journal of the American Chemical Society, 2016, 138, 12432-12439.	6.6	11

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19	V_xIn_(2â€“x)S₃ Intermediate Band Absorbers Deposited by Atomic Layer Deposition. Chemistry of Materials, 2016, 28, 2033-2040.	3.2	35
20	A modular reactor design for in situ synchrotron x-ray investigation of atomic layer deposition processes. Review of Scientific Instruments, 2015, 86, 113901.	0.6	16
21	Catalyst synthesis and evaluation using an integrated atomic layer deposition synthesisâ€“catalysis testing tool. Review of Scientific Instruments, 2015, 86, 084103.	0.6	20
22	Synthesis and Catalytic Hydrogenation Reactivity of a Chromium Catecholate Porous Organic Polymer. Organometallics, 2015, 34, 947-952.	1.1	27
23	Isolated Fe^{II} on Silica As a Selective Propane Dehydrogenation Catalyst. ACS Catalysis, 2015, 5, 3494-3503.	5.5	144
24	Effect of Siloxane Ring Strain and Cation Charge Density on the Formation of Coordinately Unsaturated Metal Sites on Silica: Insights from Density Functional Theory (DFT) Studies. ACS Catalysis, 2015, 5, 7177-7185.	5.5	38
25	Selective propane dehydrogenation with single-site CoII on SiO2 by a non-redox mechanism. Journal of Catalysis, 2015, 322, 24-37.	3.1	168
26	Chemical and spatial control of substitutional intermediate band materials: Toward the atomic layer deposition of V<inf>0.25</inf>In<inf>1.75</inf>SP<inf>3</inf>. , 2014, , .		1
27	Assignment of the oxidation states of Zr and Co in a highly reactive heterobimetallic Zr/Co complex using X-ray absorption spectroscopy (XANES). Dalton Transactions, 2014, 43, 13852.	1.6	29
28	Discovery of Highly Selective Alkyne Semihydrogenation Catalysts Based on Firstâ€Row Transitionâ€Metallated Porous Organic Polymers. Angewandte Chemie - International Edition, 2014, 53, 12055-12058.	7.2	51
29	Oxygen-Free Atomic Layer Deposition of Indium Sulfide. ACS Applied Materials & Interfaces, 2014, 6, 12137-12145.	4.0	37
30	Synthesis of N-Heterocyclic Stannylene (Sn(II)) and Germylene (Ge(II)) and a Sn(II) Amidinate and Their Application as Precursors for Atomic Layer Deposition. Chemistry of Materials, 2014, 26, 3065-3073.	3.2	69
31	Rhodium Catechol Containing Porous Organic Polymers: Defined Catalysis for Single-Site and Supported Nanoparticulate Materials. Organometallics, 2014, 33, 2517-2522.	1.1	22
32	Propylene Hydrogenation and Propane Dehydrogenation by a Single-Site Zn²⁺ on Silica Catalyst. ACS Catalysis, 2014, 4, 1091-1098.	5.5	230
33	In Situ Xâ€ray Absorption Spectroscopy and Nonclassical Catalytic Hydrogenation with an Iron(II) Catecholate Immobilized on a Porous Organic Polymer. European Journal of Inorganic Chemistry, 2013, 2013, 3972-3977.	1.0	7
34	A Remarkably Active Iron Catecholate Catalyst Immobilized in a Porous Organic Polymer. ACS Catalysis, 2013, 3, 826-830.	5.5	38
35	Phase Discrimination through Oxidant Selection in Low-Temperature Atomic Layer Deposition of Crystalline Iron Oxides. Langmuir, 2013, 29, 3439-3445.	1.6	37
36	Atomic Layer Deposition of Tin Monosulfide Thin Films. Advanced Energy Materials, 2011, 1, 1116-1125.	10.2	383

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37	Low Temperature Atomic Layer Deposition of Tin Oxide. Chemistry of Materials, 2010, 22, 4964-4973.	3.2	121
38	Syntheses and Structures of Molybdenum Imido Alkylidene Pyrrolide and Indolide Complexes. Organometallics, 2008, 27, 6570-6578.	1.1	40
39	Highly Active, Stable, and Selective Well-Defined Silica Supported Mo Imido Olefin Metathesis Catalysts. Journal of the American Chemical Society, 2007, 129, 1044-1045.	6.6	92
40	Synthesis of Molybdenum Imido Alkylidene Complexes That Contain Siloxides. Organometallics, 2007, 26, 6674-6680.	1.1	26
41	Oxidative Reactions of the MoIV Dialkyl Complex [{(3-CF3C6H4NCH2CH2)2NMe}Mo(CH2SiMe3)2]. Chemistry - an Asian Journal, 2007, 2, 867-874.	1.7	8
42	Dipyrrolyl Precursors to Bisalkoxide Molybdenum Olefin Metathesis Catalysts. Journal of the American Chemical Society, 2006, 128, 16373-16375.	6.6	105
43	Reactions of M(N-2,6-i-Pr2C6H3)(CHR)(CH2Râ€˜)2 (M = Mo, W) Complexes with Alcohols To Give Olefin Metathesis Catalysts of the Type M(N-2,6-i-Pr2C6H3)(CHR)(CH2Râ€˜)(ORâ€˜â€‰â€˜). Organometallics, 2006, 25, 1412-1423.	1.1	46
44	Synthesis of Molybdenum Complexes that Contain â€œHybridâ€•Triamidoamine Ligands, [(Hexaisopropylterphenyl-NCH2CH2)2NCH2CH2N-aryl]3-, and Studies Relevant to Catalytic Reduction of Dinitrogen. Inorganic Chemistry, 2006, 45, 9185-9196.	1.9	70
45	Synthesis of Molybdenum(VI) Monoimido Alkyl and Alkylidene Complexes. Organometallics, 2005, 24, 1929-1937.	1.1	32
46	Synthesis of High Oxidation State Bimetallic Alkylidene Complexes for Controlled ROMP Synthesis of Triblock Copolymers. Organometallics, 2005, 24, 5058-5066.	1.1	38
47	Synthesis, Characterization, and Activation of Zirconium and Hafnium Dialkyl Complexes that Contain aC2-Symmetric Diaminobinaphthyl Dipyridine Ligand. Organometallics, 2005, 24, 3335-3342.	1.1	25
48	Some Organometallic Chemistry of Molybdenum Complexes that Contain the [HIPTN3N]3-Triamidoamine Ligand, {[3,5-(2,4,6-i-Pr3C6H2)2C6H3NCH2CH2]3N}3-. Organometallics, 2005, 24, 4437-4450.	1.1	22
49	Molybdenum and Tungsten Complexes That Contain the Diamidoamine Ligands [(C6F5NCH2CH2)2NMe]2-, [(3,4,5-C6H2F3NCH2CH2)2NMe]2-, and [(3-CF3C6H4NCH2CH2)2NMe]2-. Organometallics, 2004, 23, 665-678.	1.1	15
50	Synthesis, Characterization, and Polymerization Behavior of Zirconium and Hafnium Complexes that Contain Asymmetric Diamido-N-Donor Ligands. Organometallics, 2004, 23, 4362-4372.	1.1	16
51	Molybdenum Triamidoamine Complexes that Contain Hexa-tert-butylterphenyl, Hexamethylterphenyl, orp-Bromohexaisopropylterphenyl Substituents. An Examination of Some Catalyst Variations for the Catalytic Reduction of Dinitrogen. Journal of the American Chemical Society, 2004, 126, 6150-6163.	6.6	186
52	Selective Hydroxylation of In₂O₃ as A Route to Site-Selective Atomic Layer Deposition. Journal of Physical Chemistry C, 0, , .	1.5	6