

Aaron L Odom

List of Publications by Year in descending order

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docs citations

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2712
citing authors

#	ARTICLE	IF	CITATIONS
1	Dinitrogen Cleavage by Three-Coordinate Molybdenum(III) Complexes: A Mechanistic and Structural Data. <i>Journal of the American Chemical Society</i> , 1996, 118, 8623-8638.	6.6	394
2	New C=N and C=C bond forming reactions catalyzed by titanium complexes. <i>Dalton Transactions</i> , 2005, , 225-233.	1.6	288
3	Cleavage of the Nitrous Oxide NN Bond by a Tris(amido)molybdenum(III) Complex. <i>Journal of the American Chemical Society</i> , 1995, 117, 4999-5000.	6.6	207
4	Titanium Hydrazido and Imido Complexes: A Synthesis, Structure, Reactivity, and Relevance to Alkyne Hydroamination. <i>Journal of the American Chemical Society</i> , 2004, 126, 1794-1803.	6.6	193
5	Heterodinuclear Uranium/Molybdenum Dinitrogen Complexes. <i>Journal of the American Chemical Society</i> , 1998, 120, 5836-5837.	6.6	167
6	Intermolecular Alkyne Hydroaminations Involving 1,1-Disubstituted Hydrazines. <i>Organic Letters</i> , 2002, 4, 2853-2856.	2.4	162
7	A terminal molybdenum carbide prepared by methylidyne deprotonation. <i>Chemical Communications</i> , 1997, , 1995.	2.2	145
8	Pyrrole Syntheses Based on Titanium-Catalyzed Hydroamination of Diynes. <i>Organic Letters</i> , 2004, 6, 2957-2960.	2.4	140
9	Titanium-Catalyzed Multicomponent Couplings: Efficient One-Pot Syntheses of Nitrogen Heterocycles. <i>Accounts of Chemical Research</i> , 2015, 48, 2822-2833.	7.6	139
10	Group-4 Dipyrrylmethane Complexes in Intramolecular Olefin Hydroamination. <i>Organometallics</i> , 2008, 27, 1174-1177.	1.1	132
11	Ti(NMe ₂) ₄ as a Precatalyst for Hydroamination of Alkynes with Primary Amines. <i>Organometallics</i> , 2001, 20, 3967-3969.	1.1	128
12	A Titanium-Catalyzed Three-Component Coupling To Generate β,β -Unsaturated β -Iminoamines. <i>Journal of the American Chemical Society</i> , 2003, 125, 2880-2881.	6.6	118
13	Hydroamination of Alkynes Catalyzed by a Titanium Pyrrolyl Complex. <i>Organometallics</i> , 2001, 20, 5011-5013.	1.1	112
14	Titanium dipyrrylmethane derivatives: rapid intermolecular alkyne hydroamination. <i>Chemical Communications</i> , 2003, , 586-587.	2.2	109
15	Nitric Oxide Cleavage: Synthesis of Terminal Chromium(VI) Nitrido Complexes via Nitrosyl Deoxygenation. <i>Journal of the American Chemical Society</i> , 1995, 117, 6613-6614.	6.6	95
16	Pyrazole Synthesis Using a Titanium-Catalyzed Multicomponent Coupling Reaction and Synthesis of Withasomnine. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2013-2023.	2.1	80
17	Synthesis and Characterization of a Neutral U(II) Arene Sandwich Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 17369-17373.	6.6	78
18	Atom-Bridged Intermediates in N- and P-Atom Transfer Reactions. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 87-91.	4.4	77

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19	Titanium-catalyzed iminohydrazination of alkynes. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5066-5077.	0.8	69
20	Titanium-Catalyzed Hydrohydrazination with Monosubstituted Hydrazines: Catalyst Design, Synthesis, and Reactivity. <i>Organometallics</i> , 2008, 27, 1005-1014.	1.1	67
21	Assembly of Molybdenum/Titanium η^4 -Oxo Complexes via Radical Alkoxide C=O Cleavage. <i>Journal of the American Chemical Society</i> , 1996, 118, 10175-10188.	6.6	65
22	A Multicomponent Coupling Sequence for Direct Access to Substituted Quinolines. <i>Organic Letters</i> , 2009, 11, 4720-4723.	2.4	61
23	Uranium-Group 14 Element Single Bonds: Isolation and Characterization of a Uranium(IV) Silyl Species. <i>Organometallics</i> , 2001, 20, 4993-4995.	1.1	60
24	Evaluation of Donor and Steric Properties of Anionic Ligands on High Valent Transition Metals. <i>Inorganic Chemistry</i> , 2012, 51, 1187-1200.	1.9	59
25	Low-Coordinate Iron Complexes Stabilized by N-(tert-Hydrocarbyl)anilide Ligation: Adduct Formation, Chemical Oxidation, and Nitric Oxide Complexation. <i>Organometallics</i> , 1996, 15, 4521-4530.	1.1	58
26	Group-4 η^1 -Pyrrolyl Complexes Incorporating N,N-Di(pyrrolyl- η^1 -methyl)-N-methylamine. <i>Inorganic Chemistry</i> , 2002, 41, 6298-6306.	1.9	56
27	Synthesis and Structure of a Titanium Hydrazido(η^2) Complex. <i>Organometallics</i> , 2006, 25, 3099-3101.	1.1	56
28	Single-step synthesis of pyrazoles using titanium catalysis. <i>Chemical Communications</i> , 2012, 48, 440-442.	2.2	55
29	One-Step Route to 2,3-Diaminopyrroles Using a Titanium-Catalyzed Four-Component Coupling. <i>Organometallics</i> , 2009, 28, 3876-3881.	1.1	54
30	Quantifying ligand effects in high-oxidation-state metal catalysis. <i>Nature Chemistry</i> , 2017, 9, 837-842.	6.6	53
31	A nucleophilic niobium(V) nitride prepared by isocyanate decarbonylation. <i>Chemical Communications</i> , 1997, , 1993.	2.2	51
32	A Chromium(VI) Nitrido-Silylmethyl Complex and a Chromium(V) η^4 -Nitrido Dimer: Synthetic and Structural Details. <i>Organometallics</i> , 1996, 15, 898-900.	1.1	50
33	Synthesis, Structure, and Hydroamination Kinetics of (2,2'-Diaryldipyrrolylmethane)- and Bis(2-arylpyrrolyl)titanium Complexes. <i>Organometallics</i> , 2006, 25, 6125-6133.	1.1	50
34	Synthesis, Structure, and LLCT Transitions in Terminal Hydrazido(η^2) Bipyridine Complexes of Titanium. <i>Inorganic Chemistry</i> , 2007, 46, 6373-6381.	1.9	45
35	Titanium catalyzed one-pot multicomponent coupling reactions for direct access to substituted pyrimidines. <i>Tetrahedron</i> , 2010, 66, 3152-3158.	1.0	45
36	η^2 -Unsaturated imines from titanium hydroamination and functionalization by rhodium C-H activation. <i>Chemical Communications</i> , 2004, , 2002-2003.	2.2	42

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37	Titanium η^1 -Pyrrolyl Complexes: Electronic and Structural Characteristics Imposed by the N,N-Di(pyrrolyl- η^1 -methyl)-N-methylamine (dpma) Ligand. <i>Inorganic Chemistry</i> , 2001, 40, 1987-1988.	1.9	41
38	Exploring the coordination modes of pyrrolyl ligands in bis(imido) uranium(vi) complexes. <i>Dalton Transactions</i> , 2010, 39, 6841.	1.6	40
39	Synthesis and Group 4 Complexes of Tris(pyrrolyl- η^1 -methyl)amine. <i>Inorganic Chemistry</i> , 2004, 43, 275-281.	1.9	38
40	Investigation of Transition Metal π -Imido Bonding in M(NBut) ₂ (dpma). <i>Inorganic Chemistry</i> , 2004, 43, 3605-3617.	1.9	36
41	Chromium(VI) nitrido complexes: reactions with Brønsted acids and synthesis of organometallic derivatives. <i>Polyhedron</i> , 1998, 17, 675-688.	1.0	35
42	Synthesis and Structure of (Triphenylsilyl)imido Complexes of Titanium and Zirconium. <i>Organometallics</i> , 2005, 24, 3272-3278.	1.1	35
43	In Pursuit of the Molybdenum(III) Tris(thiolate) Fragment: An Unusual Structure of a Dimolybdenum η^1/η^4 -Nitrido Complex. <i>Inorganic Chemistry</i> , 2000, 39, 174-179.	1.9	32
44	Group-6 Imido Activation by a Ring-Strained Alkyne. <i>Organometallics</i> , 2004, 23, 5386-5388.	1.1	32
45	Niobium and vanadium iminophosphinimide complexes. <i>Chemical Communications</i> , 2001, , 1676-1677.	2.2	31
46	Titanium-Catalyzed, One-Pot Synthesis of α -Amino β -Cyano γ -pyridines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1811-1822.	2.1	31
47	Regioselective conversion of alkynes to 4-substituted and 3,4-disubstituted isoxazoles using titanium-catalyzed multicomponent coupling reactions. <i>Tetrahedron</i> , 2012, 68, 807-812.	1.0	29
48	Photochemistry of dirhodium(II,II) diphosphazane tetrachloride complexes. <i>Inorganica Chimica Acta</i> , 2000, 297, 330-337.	1.2	28
49	Identifizierung verbräuchlicher Intermediate bei σ - und π -Transferreaktionen. <i>Angewandte Chemie</i> , 1997, 109, 110-113.	1.6	27
50	Substituted quinolines as noncovalent proteasome inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 2441-2450.	1.4	27
51	Insertion of an electron-rich alkyne into a molybdenum amido bond. <i>Chemical Communications</i> , 2002, , 838-839.	2.2	26
52	Synthesis and hydroamination catalysis with 3-aryl substituted pyrrolyl and dipyrrolylmethane titanium(IV) complexes. <i>Dalton Transactions</i> , 2011, 40, 7762.	1.6	26
53	Effective donor abilities of E-t-Bu and EPh (E = O, S, Se, Te) to a high valent transition metal. <i>Dalton Transactions</i> , 2014, 43, 12299.	1.6	26
54	Synthesis of Secondary Amines by Titanium-Mediated Transfer of Alkenyl Groups from Alcohols. <i>Journal of the American Chemical Society</i> , 2006, 128, 9344-9345.	6.6	24

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55	A Nucleophilic Chromium(V) Dioxo Radical Anion. <i>Inorganic Chemistry</i> , 1999, 38, 3290-3295.	1.9	22
56	Effects of 5,5-substitution on dipyrrolylmethane ligand isomerization. <i>Dalton Transactions</i> , 2008, , 4254.	1.6	21
57	Synthesis of mer-trichlorotris(tetrahydrofuran) tungsten(III) by intermetal chlorine atom transfer. <i>Inorganica Chimica Acta</i> , 1998, 278, 103-107.	1.2	20
58	A complex with nitrogen single, double, and triple bonds to the same chromium atom: synthesis, structure, and reactivity. <i>Chemical Science</i> , 2016, 7, 2532-2536.	3.7	20
59	One-pot synthesis of pyrroles using a titanium-catalyzed multicomponent coupling procedure. <i>Tetrahedron</i> , 2016, 72, 1168-1176.	1.0	20
60	Weakly Coordinating yet Ion Paired: Anion Effects on an Internal Rearrangement. <i>Organometallics</i> , 2017, 36, 1227-1237.	1.1	20
61	A 4-coordinate Ru(II) imido: unusual geometry, synthesis, and reactivity. <i>Chemical Communications</i> , 2013, 49, 10799.	2.2	19
62	Titanium-Catalyzed Hydroamination and Multicomponent Coupling with a Simple Silica-Supported Catalyst. <i>Organometallics</i> , 2018, 37, 4341-4349.	1.1	19
63	A Novel Nrf2 Pathway Inhibitor Sensitizes Keap1-Mutant Lung Cancer Cells to Chemotherapy. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 1692-1701.	1.9	18
64	Zirconium complexes bearing a tetradentate dipyrrolyl ligand. <i>Dalton Transactions</i> , 2008, , 4050.	1.6	15
65	A silica-supported titanium catalyst for heterogeneous hydroamination and multicomponent coupling reactions. <i>Dalton Transactions</i> , 2019, 48, 11352-11360.	1.6	15
66	Conversions between metal–ligand multiple bond (MLMB) types: carbonyl olefination and other applications. <i>Dalton Transactions</i> , 2011, 40, 2689.	1.6	14
67	Synthesis, Properties, and Structure of Tethered Molybdenum Alkylidenes. <i>Organometallics</i> , 2008, 27, 5130-5138.	1.1	13
68	Carbonyl Olefination Using Readily Prepared Tungsten Metallacycles. <i>Inorganic Chemistry</i> , 2008, 47, 11191-11196.	1.9	13
69	Vanadium(V) hydrazido(2 ⁻) thiolate imine alkoxide complexes. <i>Dalton Transactions</i> , 2008, , 2005.	1.6	12
70	Single-site N≡N bond cleavage by Mo(η^5 -Cp): possible mechanisms of hydrazido(1 ⁻) to nitrido conversion. <i>Dalton Transactions</i> , 2013, 42, 2530-2539.	1.6	12
71	Synthesis and Structure of Chromium(VI) Nitrido Cyclopentadienyl Complexes. <i>Organometallics</i> , 2015, 34, 4567-4573.	1.1	11
72	Synthesis and structure of an imido-tethered Schrock carbene of molybdenum Electronic supplementary information (ESI) available: Synthetic details for the generation of 2-(3,3-dimethylpent-4-enyl)aniline (1) and the tethered molybdenum carbene 4. Tables for the X-ray diffraction study on 4. See http://www.rsc.org/suppdata/DT/B3/B311320P . <i>Dalton Transactions</i> , 2003, , 4226.	1.6	10

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73	Electronic and Structural Comparisons between Iron(II/III) and Ruthenium(II/III) Imide Analogs. <i>Inorganic Chemistry</i> , 2019, 58, 11699-11715.	1.9	8
74	Self-assembly of a library of polyborate chiral anions for asymmetric catalytic quinoline reduction. <i>Tetrahedron Letters</i> , 2015, 56, 3481-3485.	0.7	6
75	Heterogeneity correction for intensity-modulated frameless SRS in pituitary and cavernous sinus tumors: a retrospective study. <i>Radiation Oncology</i> , 2015, 10, 193.	1.2	6
76	A photochemical route to a square planar, ruthenium(IV)-bis(imide). <i>Chemical Communications</i> , 2019, 55, 4403-4406.	2.2	6
77	Synthesis and Characterization of an Organochromium Compound Bearing Three Sterically Demanding Alkenyl Ligands. <i>Organometallics</i> , 1999, 18, 1360-1362.	1.1	5
78	Phosphine interactions with high oxidation state metals. <i>Polyhedron</i> , 2019, 159, 284-297.	1.0	4
79	Catalyst design insights from modelling a titanium-catalyzed multicomponent reaction. <i>Faraday Discussions</i> , 2019, 220, 208-230.	1.6	3
80	Investigation of phosphine donor properties to vanadium(V) nitrides. <i>Results in Chemistry</i> , 2022, 4, 100344.	0.9	3
81	A Titanium-Catalyzed Three-Component Coupling to Generate β,γ -Unsaturated β -Iminoamines.. <i>ChemInform</i> , 2003, 34, no.	0.1	1
82	A readily-prepared and efficient solid-supported scavenger for molybdenum alkoxides and a structurally characterized model complex. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 223-228.	0.8	1
83	Models for Understanding Main Group and Transition Metal Bonding. , 2022, , 2-30.		1
84	Intermolecular Alkyne Hydroaminations Involving 1,1-Disubstituted Hydrazines.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
85	Titanium Dipyrrrolylmethane Derivatives: Rapid Intermolecular Alkyne Hydroamination.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
86	Pyrrole Syntheses Based on Titanium-Catalyzed Hydroamination of Dienes.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
87	β,γ -Unsaturated Imines from Titanium Hydroamination and Functionalization by Rhodium C ⁺ H Activation.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
88	New C ⁺ N and C ⁺ C Bond Forming Reactions Catalyzed by Titanium Complexes. <i>ChemInform</i> , 2005, 36, no.	0.1	0
89	Simple and convenient one-pot synthesis of cyclooctatetraene. <i>Tetrahedron Letters</i> , 2008, 49, 1771-1772.	0.7	0