

John C Huffman

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#	Paper	IF	Citations
459	Molecular Design of Single-Site Metal Alkoxide Catalyst Precursors for Ring-Opening Polymerization Reactions Leading to Polyoxxygenates. 1. Polylactide Formation by Achiral and Chiral Magnesium and Zinc Alkoxides, (β -L)MOR, Where L = Trispyrazolyl- and Trisindazolylborate	16.4	387
458	Preparation and physical properties of trinuclear oxo-centered manganese complexes of general formulation $[Mn_3O(O_2CR)_6L_3]^{0,+}$ (R = methyl or phenyl; L = a neutral donor group) and the crystal structures of $[Mn_3O(O_2CMe)_6(pyr)_3](pyr)$ and $[Mn_3O(O_2CPh)_6(pyr)_2(H_2O)] \cdot 0.5MeCN$. <i>Journal of the American Chemical Society</i> , 1987 , 109, 5703-5711	16.4	285
457	Single-molecule magnets: a new class of tetranuclear manganese magnets. <i>Inorganic Chemistry</i> , 2000 , 39, 3615-23	5.1	219
456	Monomeric metal alkoxides and trialkyl siloxides: (BDI)Mg(OtBu)(THF) and (BDI)Zn(OSiPh ₃)(THF). Comments on single site catalysts for ring-opening polymerization of lactides. <i>Dalton Transactions RSC</i> , 2001 , 222-224		219
455	Reactions of metal-metal multiple bonds. 10. Reactions of $Mo_2(OR)_6$ (M.tplbond.M) and $[Mo(OR)_4]_x$ compounds with molecular oxygen. Preparation and characterization of oxo alkoxides of molybdenum: $MoO_2(OR)_2$, $MoO_2(OR)_2(bpy)$, $MoO(OR)_4$, $Mo_3O(OR)_{10}$, $Mo_4O_8(OR)_4(py)_4$, and $Mo_4O_8(OR)_4(py)_4$	5.1	219
454	Modeling the photosynthetic water oxidation center. Preparation and properties of tetranuclear manganese complexes containing $[Mn_4O_2]^{6+,7+,8+}$ cores, and the crystal structures of $Mn_4O_2(O_2CMe)_6(bipy)_2$ and $[Mn_4O_2(O_2CMe)_7(bipy)_2](ClO_4)$. <i>Journal of the American Chemical Society</i> , 1989 , 111, 2086-2097	16.4	207
453	A new active catalyst species for enantioselective alkylation by phase-transfer catalysis. <i>Tetrahedron</i> , 1994 , 50, 4507-4518	2.4	202
452	Preparation and properties of the triply bridged, ferromagnetically coupled dinuclear copper(II) complexes $[Cu_2(OAc)_3(bpy)_2](ClO_4)$ and $[Cu_2(OH)(H_2O)(OAc)(bpy)_2](ClO_4)_2$. <i>Inorganic Chemistry</i> , 1990 , 29, 3657-3666	5.1	192
451	Potential building blocks for molecular ferromagnets: $[Mn_{12}O_{12}(O_2CPh)_{16}(H_2O)_4]$ with a S = 14 ground state. <i>Journal of the American Chemical Society</i> , 1988 , 110, 8537-8539	16.4	175
450	Three-coordinate zinc amide and phenoxide complexes supported by a bulky Schiff base ligand. <i>Inorganic Chemistry</i> , 2001 , 40, 5051-4	5.1	170
449	Manganese carboxylate clusters: from structuralaesthetics to single-molecule magnets. <i>Polyhedron</i> , 1998 , 17, 3005-3020	2.7	169
448	Molecular spin frustration in the $[Fe_4O_2]^{8+}$ core: synthesis, structure, and magnetochemistry of tetranuclear iron-oxo complex $[Fe_4O_2(O_2CR)_7(bpy)_2](ClO_4)$ (R = Me, Ph). <i>Journal of the American Chemical Society</i> , 1991 , 113, 3012-3021	16.4	167
447	Alcohol adducts of alkoxides: intramolecular hydrogen bonding as a general structural feature. <i>Inorganic Chemistry</i> , 1990 , 29, 3126-3131	5.1	162
446	Metal-metal multiple bonds in ordered assemblies. 1. Tetranuclear molybdenum and tungsten carboxylates involving covalently linked metal-metal quadruple bonds. Molecular models for subunits of one-dimensional stiff-chain polymers. <i>Journal of the American Chemical Society</i> , 1991 , 113, 8709-8724	16.4	162
445	Trimethylphosphine adduct of the zirconocene-benzyne complex: synthesis, reactions, and x-ray crystal structure. <i>Journal of the American Chemical Society</i> , 1986 , 108, 7411-7413	16.4	146
444	Single-molecule magnets: two-electron reduced version of a Mn_{12} complex and environmental influences on the magnetization relaxation of $(PPh_4)_2[Mn_{12}O_{12}(O_2)CCHCl_2(16)(H_2O)_4]$. <i>Journal of the American Chemical Society</i> , 2003 , 125, 3576-88	16.4	144
443	Single-molecule magnets: ligand-induced core distortion and multiple Jahn-Teller isomerism in $[Mn_{12}O_{12}(O_2)CMe(8)(O_2)PPh(2))(8)(H_2O)(4)]$. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9914-5	16.4	136

442	Modeling the dinuclear sites of iron biomolecules: synthesis and properties of Fe ₂ O(OAc) ₂ Cl ₂ (bipy) ₂ and its use as an alkane activation catalyst. <i>Journal of the American Chemical Society</i> , 1988 , 110, 6898-6900	16.4	132
441	A new class of single-molecule magnets: mixed-valent [Mn ₄ (O ₂ CMe) ₂ (Hpdm) ₆][ClO ₄] ₂ with an S = 8 ground state. <i>Chemical Communications</i> , 1999 , 783-784	5.8	131
440	Neutral and zwitterionic low-coordinate titanium complexes bearing the terminal phosphinidene functionality. Structural, spectroscopic, theoretical, and catalytic studies addressing the Ti-P multiple bond. <i>Journal of the American Chemical Society</i> , 2006 , 128, 13575-85	16.4	127
439	Molecular structure of (η ⁵ -C ₅ H ₅) ₂ Ti(OC ₂ H ₅)Cl and [(η ⁵ -C ₅ H ₅)Cl ₂ Ti] ₂ O ₂ C ₂ (CH ₃) ₄ . A structural basis for deoxygenation using titanium. <i>Journal of the American Chemical Society</i> , 1980 , 102, 3009-3014	16.4	124
438	Syntheses and structures of a series of very low coordinate barium compounds: Ba[N(SiMe ₃) ₂] ₂ (THF) ₂ , {Ba[N(SiMe ₃) ₂] ₂ }(THF) ₂ , and {Ba[N(SiMe ₃) ₂] ₂ } ₂ . <i>Inorganic Chemistry</i> , 1991 , 30, 121-125	5.1	123
437	Single-molecule magnets: preparation and properties of mixed-carboxylate complexes. <i>Inorganic Chemistry</i> , 2001 , 40, 4902-12	5.1	120
436	Tetranuclear and Octanuclear Manganese Carboxylate Clusters: Preparation and Reactivity of (NBu(n) ₄)[Mn(4)O(2)(O(2)CPh)(9)(H(2)O)] and Synthesis of (NBu(n) ₄) ₂ [Mn(8)O(4)(O(2)CPh)(12)(Et(2)mal)(2)(H(2)O)(2)] with a "Linked-Butterfly" Structure. <i>Inorganic Chemistry</i> , 1996 , 35, 6437-6449	5.1	120
435	The chemistry of sterically crowded aryl oxide ligands. 3. Crystal and molecular structure and spectroscopic properties of mixed benzyl-aryl oxide compounds of zirconium. <i>Organometallics</i> , 1985 , 4, 902-908	3.8	120
434	Intermolecular C-H bond activation promoted by a titanium alkylidyne. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16016-7	16.4	119
433	Evidence for the existence of a terminal imidoscandium compound: intermolecular C-H activation and complexation reactions with the transient Sc=NAr species. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8502-5	16.4	117
432	Structures of ionic decamethylmetallocenes: crystallographic characterization of bis(pentamethylcyclopentadienyl)calcium and -barium and a comparison with related organolanthanide species. <i>Organometallics</i> , 1990 , 9, 1128-1134	3.8	117
431	π-Stabilized, yet Reactive, Half-Sandwich Cp*Ru(PR ₃)X Compounds: Synthesis, Structure, and Bonding. <i>Inorganic Chemistry</i> , 1995 , 34, 488-499	5.1	116
430	Single-molecule magnets: novel Mn(8) and Mn(9) carboxylate clusters containing an unusual pentadentate ligand derived from pyridine-2,6-dimethanol. <i>Inorganic Chemistry</i> , 2002 , 41, 5107-18	5.1	112
429	Remarkably Stable Titanium Complexes Containing Terminal Alkylidene, Phosphinidene, and Imide Functionalities. <i>Organometallics</i> , 2005 , 24, 1390-1393	3.8	106
428	A fluorobenzene adduct of Ti(IV), and catalytic carboamination to prepare alpha,beta-unsaturated imines and triaryl-substituted quinolines. <i>Journal of the American Chemical Society</i> , 2005 , 127, 17992-3	16.4	105
427	Intermolecular C-H bond activation reactions promoted by transient titanium alkylidynes. Synthesis, reactivity, kinetic, and theoretical studies of the Ti[triple bond]C linkage. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8781-93	16.4	101
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- 409 Four-Coordinate Titanium Alkylidene Complexes: Synthesis, Reactivity, and Kinetic Studies Involving the Terminal Neopentylidene Functionality. *Organometallics*, **2005**, 24, 1886-1906 3.8 80
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- 385 Tetranuclear manganese carboxylate complexes with a trigonal pyramidal metal topology via controlled potential electrolysis. *Inorganic Chemistry*, **2000**, 39, 1501-13 5.1 64
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