

Kevin M Smith

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Photolytic Reactivity of Organometallic Chromium Bipyridine Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 9611-9621.	4.0	9
2	Influence of redox non-innocent phenylenediamido ligands on chromium imido hydrogen-atom abstraction reactivity. <i>Chemical Communications</i> , 2014, 50, 9958-9960.	4.1	33
3	Direct Synthesis of Ligand-Based Radicals by the Addition of Bipyridine to Chromium(II) Compounds. <i>Inorganic Chemistry</i> , 2013, 52, 2271-2273.	4.0	14
4	Ambient-Temperature Carbon-Oxygen Bond Cleavage of an α -Aryloxy Ketone with $Cp_2Ti(BTMSA)$ and Selective Protonolysis of the Resulting $Ti-O$ Bonds. <i>Organometallics</i> , 2012, 31, 7625-7628.	2.3	15
5	Cyclopentadienyl chromium diimine and pyridine-imine complexes: ligand-based radicals and metal-based redox chemistry. <i>Dalton Transactions</i> , 2012, 41, 7920.	3.3	13
6	Oxidatively Induced Reductive Elimination from a Chromium(III) Bis(aryl) Complex. <i>Organometallics</i> , 2012, 31, 6681-6689.	2.3	10
7	Controlling Secondary Alkyl Radicals: Ligand Effects in Chromium-Catalyzed C-P Bond Formation. <i>Organometallics</i> , 2012, 31, 7324-7327.	2.3	16
8	Reactivity of Cr(III) η^4 -Oxo Compounds: Catalyst Regeneration and Atom Transfer Processes. <i>Inorganic Chemistry</i> , 2012, 51, 688-700.	4.0	19
9	Cyclopentadienyl mesityl complexes of chromium(ii) and chromium(iii). <i>Dalton Transactions</i> , 2011, 40, 337-339.	3.3	21
10	Electronic Effects in the Oxidative Addition of Iodomethane with Mixed-Aryl η^2 -Diketiminato Chromium Complexes. <i>Organometallics</i> , 2011, 30, 603-610.	2.3	16
11	Organometallic-Mediated Radical Polymerization: Developing Well-Defined Complexes for Reversible Transition Metal-Alkyl Bond Homolysis. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 10-16.	2.2	49
12	Controlled Radical Polymerization of Vinyl Acetate with Cyclopentadienyl Chromium η^2 -Diketiminato Complexes: ATRP vs OMRP. <i>Organometallics</i> , 2010, 29, 3125-3132.	2.3	51
13	Cyclopentadienyl Chromium η^2 -Diketiminato Complexes: Initiators, Ligand Steric Effects, and Deactivation Processes in the Controlled Radical Polymerization of Vinyl Acetate. <i>Organometallics</i> , 2010, 29, 167-176.	2.3	52
14	Chromium-Catalyzed Radical Cyclization of Bromo and Chloro Acetals. <i>Organometallics</i> , 2010, 29, 6639-6641.	2.3	20
15	Exploring Chromium(III) α -Alkyl Bond Homolysis with $CpCr[(ArNCMe)_2CH](R)$ Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 17325-17334.	13.7	34
16	Reactivity Consequences of Steric Reduction in Cyclopentadienyl Chromium η^2 -Diketiminato Complexes. <i>Organometallics</i> , 2009, 28, 6798-6806.	2.3	23
17	Homolytic Bond Strengths and Formation Rates in Half-Sandwich Chromium Alkyl Complexes: Relevance for Controlled Radical Polymerization. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6069-6072.	13.8	62
18	Synthesis of chromium(III) bis(benzamidinate) complexes via single electron oxidation. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 3183-3190.	1.8	8

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19	Paramagnetic organometallic Cr(II)/Cr(III) redox-active catalysts. <i>Coordination Chemistry Reviews</i> , 2006, 250, 1023-1031.	18.8	45
20	Recent Advances in Chromium Catalysts for Olefin Polymerization. <i>Current Organic Chemistry</i> , 2006, 10, 955-963.	1.6	24
21	Single Electron Transfer Reactions in the Synthetic Organometallic Chemistry of First-Row Transition Metals.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
22	Single Electron Transfer Reactions in the Synthetic Organometallic Chemistry of First-Row Transition Metals. <i>Organometallics</i> , 2005, 24, 778-784.	2.3	40
23	Cyclopentyl{2-[(2,6-diisopropylphenyl)amino]-4-[(2,6-diisopropylphenyl)imino]pent-2-enato- λ^2 N,N ϵ^2 }(tetrahydrofuran- λ^1 O) $_2$ magnesium <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, m408-m409.	0.2	0
24	Chromium(III) and chromium(IV) bis(trimethylsilyl)amido complexes as ethylene polymerisation catalysts. <i>Dalton Transactions</i> , 2004, , 3431.	3.3	24
25	Synthesis and X-ray crystal structure of Cr(NR $_2$) $_3$ (R ϵ ,= ϵ ,CH(Me)Ph). <i>Canadian Journal of Chemistry</i> , 2004, 82, 1788-1790.	1.1	3
26	Synthesis and Reactivity of Chromium Cyclopentadienyl λ^2 -Diketiminato Compounds. <i>Organometallics</i> , 2004, 23, 1487-1489.	2.3	37
27	Understanding the reactivity of transition metal complexes involving multiple spin states. <i>Coordination Chemistry Reviews</i> , 2003, 238-239, 347-361.	18.8	297
28	Cyclopentadienyl benzamidinato chromium complexes as models for alkyl halide activation by chromium reagents Electronic supplementary information (ESI) available: experimental and computational details. See http://www.rsc.org/suppdata/cc/b2/b207710h/ . <i>Chemical Communications</i> , 2002, , 2914-2915.	4.1	17
29	A Computational Study of Ethylene C-H Bond Activation by [Cp*Ir(PR $_3$)]. <i>Chemistry - A European Journal</i> , 2001, 7, 1679-1690.	3.3	60
30	Synthesis, characterization, and properties of some cyclopentadienyl molybdenum nitrosyl benzyl complexes. <i>Canadian Journal of Chemistry</i> , 2001, 79, 502-509.	1.1	0
31	Effects of π -Bonding on Stability and Reactivity in [CpCr(NO)] Complexes. <i>Chemistry - A European Journal</i> , 2000, 6, 1525-1529.	3.3	5
32	Synthesis and characterization of [Mo(η^5 -EPh)(CO) $_3$ (CH $_3$ CN)] $_2$ (E=Se, Te), including the X-ray structure of the tellurium derivative. <i>Inorganica Chimica Acta</i> , 2000, 299, 118-122.	2.4	4
33	Ligand dissociation accelerated by spin state change: locating the minimum energy crossing point for phosphine exchange in CpMoCl $_2$ (PR $_3$) $_2$ complexes. <i>New Journal of Chemistry</i> , 2000, 24, 77-80.	2.8	58
34	Cr(NAr)(O)(NPri $_2$)(Ar): a strongly-bent monoimido complex resulting from nitrosyl ligand cleavage. <i>Chemical Communications</i> , 2000, , 1809-1810.	4.1	15
35	A Density Functional Study of Open-Shell Cyclopentadienyl Molybdenum(II) Complexes. A Comparison of Stabilizing Factors: Spin-Pairing, Mo-X π Bonding, and Release of Steric Pressure. <i>Inorganic Chemistry</i> , 2000, 39, 517-524.	4.0	16
36	Theoretical Studies of the Reactivity of Cyclopentadienyl Nitrosyl Alkyl Species of Molybdenum and Tungsten. <i>Organometallics</i> , 2000, 19, 2858-2867.	2.3	17

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37	Effects of pi-bonding on stability and reactivity in. Chemistry - A European Journal, 2000, 6, 1525-1529.	3.3	6
38	Spin State and Ligand Dissociation in [CpCoL ₂] Complexes (L = PH ₃ , H ₂ C=CH ₂): A Computational Study. European Journal of Inorganic Chemistry, 1999, 1999, 877-880.	2.0	21
39	Pairing Energy Effects in Cyanide Complexes of CpCr ^{III} . European Journal of Inorganic Chemistry, 1999, 1999, 2343-2346.	2.0	5
40	A Computational Study of Two-State Conformational Changes in 16-Electron [CpW(NO)(L)] Complexes (L=PH ₃ , CO, CH ₂ , HCCH, H ₂ CCH ₂). Chemistry - A European Journal, 1999, 5, 1598-1608.	3.3	25
41	Amide-Stabilized, Diamagnetic Chromium(II) Nitrosyl Complexes ¹ . Organometallics, 1999, 18, 1994-2004.	2.3	23
42	Metal-based chirality and spin state change in 16-electron CpML ₂ systems: a computational study of CpW(NO)(PH ₃). Chemical Communications, 1998, , 1903-1904.	4.1	7
43	Density Functional Study of Spin State in CpM(NO)X ₂ (M = Mo, Cr; X = Cl, NH ₂ , CH ₃): A Spectrochemical and Nephelauxetic Effects in Organometallic Compounds ¹ . Organometallics, 1998, 17, 615-622.	2.3	22
44	Cyclopentadienyl nitrosyl compounds of chromium: aqueous solution chemistry, π bonding and nitric oxide loss. Journal of the Chemical Society Dalton Transactions, 1997, , 3269-3276.	1.1	12
45	Synthesis and Characterization of 17-Valence-Electron [CpCr(NO)X ₂]- Anions: A Oxidatively Induced Loss of the Nitrosyl Ligand ¹ . Journal of the American Chemical Society, 1997, 119, 3513-3522.	13.7	23
46	Synthesis of Novel Diamagnetic Chromium(II) Alkyl Complexes ¹ . Organometallics, 1997, 16, 3569-3571.	2.3	11