

Lisa McElwee-White

List of Publications by Year in descending order

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161
papers

3,294
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136885

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all docs

177
docs citations

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times ranked

2592
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoactivated Ru chemical vapor deposition using (η^3 -allyl)Ru(CO) ₃ X (X = Cl, Br, I): From molecular adsorption to Ru thin film deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2022, 40, 023404.	0.9	1
2	Nanoscale Ruthenium-Containing Deposits from Ru(CO) ₄ I ₂ via Simultaneous Focused Electron Beam-Induced Deposition and Etching in Ultrahigh Vacuum: Mask Repair in Extreme Ultraviolet Lithography and Beyond. <i>ACS Applied Nano Materials</i> , 2022, 5, 3855-3865.	2.4	2
3	Photochemistry of (η^4 -diene)Ru(CO) ₃ Complexes as Precursor Candidates for Photoassisted Chemical Vapor Deposition. <i>Organometallics</i> , 2022, 41, 761-775.	1.1	2
4	The Role of Low-Energy Electron Interactions in cis-Pt(CO) ₂ Br ₂ Fragmentation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8984.	1.8	5
5	Charged Particle-Induced Surface Reactions of Organometallic Complexes as a Guide to Precursor Design for Electron- and Ion-Induced Deposition of Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48333-48348.	4.0	8
6	Efficient NH ₃ -based process to remove chlorine from electron beam deposited ruthenium produced from (η^3 -C ₃ H ₅)Ru(CO) ₃ Cl. <i>Scientific Reports</i> , 2020, 10, 10901.	1.6	17
7	Photochemistry of 1,5-Cyclooctadiene Platinum Complexes for Photoassisted Chemical Vapor Deposition. <i>Organometallics</i> , 2020, 39, 4565-4574.	1.1	2
8	Electron beam-induced deposition of platinum from Pt(CO) ₂ Cl ₂ and Pt(CO) ₂ Br ₂ . <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 1789-1800.	1.5	11
9	Surface Reactions of Low-Energy Argon Ions with Organometallic Precursors. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24795-24808.	1.5	7
10	Low temperature platinum chemical vapor deposition on functionalized self-assembled monolayers. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020, 38, .	0.9	2
11	Checking in with Women Materials Scientists During a Global Pandemic: May 2020. <i>Chemistry of Materials</i> , 2020, 32, 4859-4862.	3.2	3
12	Precursors for chemical vapor deposition of tungsten oxide and molybdenum oxide. <i>Coordination Chemistry Reviews</i> , 2020, 421, 213459.	9.5	17
13	Identifying and Rationalizing the Differing Surface Reactions of Low-Energy Electrons and Ions with an Organometallic Precursor. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2006-2013.	2.1	12
14	Synthesis and Evaluation of Molybdenum Imido-Thiolato Complexes for the Aerosol-Assisted Chemical Vapor Deposition of Nitrogen-Doped Molybdenum Disulfide. <i>Organometallics</i> , 2020, 39, 956-966.	1.1	16
15	Electron-Induced Reactions of Ru(CO) ₄ I ₂ : Gas Phase, Surface, and Electron Beam-Induced Deposition. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10593-10604.	1.5	12
16	Dissociation of the FEBID precursor cis-Pt(CO) ₂ Cl ₂ driven by low-energy electrons. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6100-6108.	1.3	10
17	<i>In Situ</i> Investigation of the Thermal Decomposition of Cl ₄ (CH ₃) ₃ CN)W(N ⁺ iPr) During Simulated Chemical Vapor Deposition. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3661-3666.	1.0	3
18	Growth of WO _x from Tungsten(VI) Oxo-Fluoroalkoxide Complexes with Partially Fluorinated β^2 -Diketonate/ β^2 -Ketoesterate Ligands: Comparison of Chemical Vapor Deposition to Aerosol-Assisted CVD. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28180-28188.	4.0	6

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19	Focused Electron Beam-Induced Deposition and Post-Growth Purification Using the Heteroleptic Ru Complex $(\eta^3\text{-C}_3\text{H}_5)\text{Ru}(\text{CO})_3\text{Br}$. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 28164-28171.	4.0	16
20	Dissociative ionization of the potential focused electron beam induced deposition precursor $\eta^5\text{-allyl}$ ruthenium(II) tricarbonyl bromide, a combined theoretical and experimental study. <i>European Physical Journal D</i> , 2019, 73, 1.	0.6	8
21	In Situ Investigation of the Thermal Decomposition of $\text{Cl}_4(\text{CH}_3\text{CN})\text{W}(\text{N}_i\text{Pr})$ During Simulated Chemical Vapor Deposition. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3646-3646.	1.0	0
22	Photochemistry of $(\eta^3\text{-allyl})\text{Ru}(\text{CO})_3\text{X}$ Precursors for Photoassisted Chemical Vapor Deposition. <i>Organometallics</i> , 2019, 38, 4363-4370.	1.1	4
23	Synthesis of η^2 -ketoiminate and η^2 -iminoesterate tungsten (VI) oxo-alkoxide complexes as AACVD precursors for growth of WO thin films. <i>Polyhedron</i> , 2019, 157, 548-557.	1.0	6
24	Bis(η^2 -ketoiminate) dioxo tungsten(VI) complexes as precursors for growth of WO by aerosol-assisted chemical vapor deposition. <i>Polyhedron</i> , 2019, 169, 219-227.	1.0	3
25	Design, Synthesis, and Evaluation of CF_3AuCNR Precursors for Focused Electron Beam-Induced Deposition of Gold. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11976-11987.	4.0	9
26	Electron induced surface reactions of $(\eta^5\text{-C}_5\text{H}_5)_2\text{Fe}(\text{CO})_2\text{Mn}(\text{CO})_5$, a potential heterobimetallic precursor for focused electron beam induced deposition (FEBID). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7862-7874.	1.3	21
27	<i>N,N</i> -Disubstituted- <i>N</i> - η^2 -acylthioureas as modular ligands for deposition of transition metal sulfides. <i>Dalton Transactions</i> , 2018, 47, 2719-2726.	1.6	16
28	Low energy electron-induced decomposition of $(\eta^5\text{-Cp})\text{Fe}(\text{CO})_2\text{Mn}(\text{CO})_5$, a potential bimetallic precursor for focused electron beam induced deposition of alloy structures. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 5644-5656.	1.3	11
29	Synthesis of tungsten oxo fluoroalkoxide complexes $\text{WO}(\text{OR})_3\text{L}$ as precursors for growth of WO_x nanomaterials by aerosol-assisted chemical vapor deposition. <i>Solid State Ionics</i> , 2018, 315, 77-84.	1.3	4
30	Synthesis and Characterization of Tungsten Nitrido Amido Guanidinato Complexes as Precursors for Chemical Vapor Deposition of $\text{W}_x\text{N}_y\text{C}_z$ Thin Films. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 46-53.	1.0	5
31	Mechanism-based design of precursors for focused electron beam-induced deposition. <i>MRS Communications</i> , 2018, 8, 343-357.	0.8	28
32	Photochemical CVD of Ru on functionalized self-assembled monolayers from organometallic precursors. <i>Journal of Chemical Physics</i> , 2017, 146, 052816.	1.2	9
33	Low energy electron-induced decomposition of $(\eta^3\text{-C}_3\text{H}_5)_2\text{Ru}(\text{CO})_3\text{Br}$, a potential focused electron beam induced deposition precursor with a heteroleptic ligand set. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13264-13271.	1.3	17
34	Aerosol-assisted chemical vapor deposition of WS_2 from the single source precursor $\text{WS}_2(\text{S}_2\text{CNEt}_2)_2$. <i>Chemical Communications</i> , 2017, 2017, 7728-7731.	2.2	13
35	Halide Effects on the Sublimation Temperature of Au^{L} Complexes: Implications for Their Use as Precursors in Vapor Phase Deposition Methods. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40998-41005.	4.0	17
36	Comparing postdeposition reactions of electrons and radicals with Pt nanostructures created by focused electron beam induced deposition. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2410-2424.	1.5	17

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37	Electron Induced Surface Reactions of $\text{cis-Pt}(\text{CO})_2\text{Cl}_2$: A Route to Focused Electron Beam Induced Deposition of Pure Pt Nanostructures. <i>Journal of the American Chemical Society</i> , 2016, 138, 9172-9182.	6.6	36
38	Synthesis and evaluation of W^{2+} -diketonate and W^{2+} -ketoesterate tungsten(VI) oxo-alkoxide complexes as precursors for chemical vapor deposition of WO_x thin films. <i>Dalton Transactions</i> , 2016, 45, 10897-10908.	1.6	13
39	Surface Plasmon-Mediated Chemical Solution Deposition of Cu Nanoparticle Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20775-20780.	1.5	10
40	Tungsten Oxide Film and Nanorods Grown by Aerosol-Assisted Chemical Vapor Deposition Using W^{2+} -diketonate and W^{2+} -ketoesterate Tungsten (VI) Oxo-Alkoxide Precursors. <i>ECS Journal of Solid State Science and Technology</i> , 2016, 5, Q3095-Q3105.	0.9	6
41	Effect of the Ligand Structure on Chemical Vapor Deposition of WN_xC_y Thin Films from Tungsten Nitrido Complexes of the Type $\text{WN}(\text{NR})_2$. <i>Chemistry of Materials</i> , 2015, 27, 8326-8336.	3.2	7
42	Aerosol-Assisted Chemical Vapor Deposition of Tungsten Oxide Films and Nanorods from Oxo Tungsten(VI) Fluoroalkoxide Precursors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 2660-2667.	4.0	19
43	Low Temperature Deposition of WN_xC_y Diffusion Barriers Using $\text{WN}(\text{NEt})_2$ as a Single-Source Precursor. <i>ECS Journal of Solid State Science and Technology</i> , 2015, 4, N3180-N3187.	0.9	3
44	Electron-Induced Surface Reactions of $\text{Allyl Ru}(\text{CO})_3\text{H}_5$ [(Allyl) C_3H_5] $\text{Ru}(\text{CO})_3\text{Br}$]: Contrasting the Behavior of Different Ligands. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15349-15359.	1.5	28
45	Solvent Control of Surface Plasmon-Mediated Chemical Deposition of Au Nanoparticles from Alkylgold Phosphine Complexes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 13384-13394.	4.0	8
46	Dioxo-Fluoroalkoxide Tungsten(VI) Complexes for Growth of WO_x Thin Films by Aerosol-Assisted Chemical Vapor Deposition. <i>Inorganic Chemistry</i> , 2015, 54, 7536-7547.	1.9	10
47	Understanding the electron-stimulated surface reactions of organometallic complexes to enable design of precursors for electron beam-induced deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 1631-1644.	1.1	42
48	Tungsten Nitrido Complexes as Precursors for Low Temperature Chemical Vapor Deposition of WN_xC_y Films as Diffusion Barriers for Cu Metallization. <i>Journal of the American Chemical Society</i> , 2014, 136, 1650-1662.	6.6	24
49	Partially fluorinated oxo-alkoxide tungsten(VI) complexes as precursors for deposition of WO_x nanomaterials. <i>Dalton Transactions</i> , 2014, 43, 9226-9233.	1.6	15
50	Formylation of Amines. <i>Molecules</i> , 2014, 19, 7689-7713.	1.7	124
51	Heterobimetallic Complexes of Polypyridyl Ligands Containing Paramagnetic Centers: Synthesis and Characterization by IR and EPR. <i>Inorganic Chemistry</i> , 2013, 52, 14116-14123.	1.9	7
52	Surface Plasmon Mediated Chemical Solution Deposition of Gold Nanoparticles on a Nanostructured Silver Surface at Room Temperature. <i>Journal of the American Chemical Society</i> , 2013, 135, 38-41.	6.6	60
53	Evaluation of Multisite Polypyridyl Ligands as Platforms for the Synthesis of Rh/Zn, Rh/Pd, and Rh/Pt Heterometallic Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 5692-5701.	1.9	17
54	Experimental and Computational Studies of the Homogeneous Thermal Decomposition of the Tungsten Dimethylhydrazido Complexes $\text{Cl}_4(\text{RCN})\text{W}(\text{NNMe})_2$. <i>Journal of the Electrochemical Society</i> , 2012, 159, H545-H553.	1.3	4

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55	Oxidative carbonylation of amines to formamides using NaIO ₄ . <i>Chemical Communications</i> , 2012, 48, 11310.	2.2	22
56	Synthesis of WN(NMe ₂) ₃ as a Precursor for the Deposition of WN _x Nanospheres. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4579-4584.	1.0	22
57	Iron and Ruthenium Heterobimetallic Carbonyl Complexes as Electrocatalysts for Alcohol Oxidation: Electrochemical and Mechanistic Studies. <i>Organometallics</i> , 2011, 30, 5568-5577.	1.1	34
58	Electrochemical oxidation of ethanol using Nafion electrodes modified with heterobimetallic catalysts. <i>Inorganica Chimica Acta</i> , 2011, 369, 159-164.	1.2	4
59	Carbonylation of functionalized diamine diols to cyclic ureas: application to derivatives of DMP 450. <i>Tetrahedron</i> , 2011, 67, 3976-3983.	1.0	22
60	Catalytic Oxidative Carbonylation of Arylamines to Ureas with W(CO) ₆ /I ₂ as Catalyst. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6261-6268.	1.2	24
61	Deposition of WN _x Cy from the Tungsten Piperidylhydrazido Complex Cl ₄ (CH ₃ CN)W(N-pip) as a Single-Source Precursor. <i>Journal of the Electrochemical Society</i> , 2011, 158, H618.	1.3	5
62	Analysis of the Homogeneous Thermal Decomposition of the Tungsten Dimethylhydrazido Complex Cl ₄ (CH ₃ CN)W(NNMe ₂) Using In Situ Raman Spectroscopy and DFT Calculations. <i>ECS Transactions</i> , 2010, 28, 15-26.	0.3	5
63	Synthesis and Electronic Structure of Tetrakis(<i>η</i> ³ -phenylpropargyl)zirconium. <i>Organometallics</i> , 2010, 29, 5252-5256.	1.1	9
64	Dimerization of ethynylaniline to a quinoline derivative using a ruthenium/gold heterobimetallic catalyst. <i>Arkivoc</i> , 2010, 2010, 160-166.	0.3	8
65	Electrochemical Oxidation of Ethanol Using Heterobimetallic Complexes as an Approach to DEFC Catalysts. <i>ECS Meeting Abstracts</i> , 2009, , .	0.0	0
66	Mechanism-Based Design of Precursors for MOCVD. <i>ECS Meeting Abstracts</i> , 2009, , .	0.0	0
67	Chemical vapor deposition of WN _x Cy using the tungsten piperidylhydrazido complex Cl ₄ (CH ₃ CN)W(N-pip): Deposition, characterization, and diffusion barrier evaluation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009, 27, 943-950.	0.9	12
68	Electrochemical Oxidation of Ethanol Using Heterobimetallic Complexes as an Approach to DEFC Catalysts. <i>ECS Transactions</i> , 2009, 19, 13-21.	0.3	5
69	Mechanism-Based Design of Precursors for MOCVD. <i>ECS Transactions</i> , 2009, 25, 161-171.	0.3	19
70	Properties of reactively sputtered Wâ€“N thin film as a diffusion barrier for Cu metallization on Si. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 94, 691-695.	1.1	13
71	Stability of Cu/Ir/Si trilayer structure to moderate annealing. <i>Materials Science in Semiconductor Processing</i> , 2009, 12, 151-155.	1.9	0
72	Deposition of WN _x Cy thin films for diffusion barrier application using the dimethylhydrazido (2â€“) tungsten complex (CH ₃ CN)Cl ₄ W(NNMe ₂). <i>Thin Solid Films</i> , 2009, 517, 6038-6045.	0.8	22

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73	Computational study on transamination of alkylamides with NH ₃ during metalorganic chemical vapor deposition of tantalum nitride. <i>Journal of Crystal Growth</i> , 2009, 311, 3587-3591.	0.7	5
74	Preparation of Hydantoins by Catalytic Oxidative Carbonylation of α -Amino Amides. <i>Journal of Organic Chemistry</i> , 2009, 74, 8862-8865.	1.7	40
75	NaIO ₄ -oxidized carbonylation of amines to ureas. <i>Chemical Communications</i> , 2009, , 947.	2.2	19
76	Electrochemical oxidation of methanol using alcohol-soluble Ru/Pt and Ru/Pd catalysts. <i>Inorganica Chimica Acta</i> , 2008, 361, 3237-3246.	1.2	11
77	Synthesis and Characterization of Diorganohydrazido(2 π) Tungsten Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 4457-4462.	1.9	21
78	Computational Study of the Gas Phase Reactions of Isopropylimido and Allylimido Tungsten Precursors for Chemical Vapor Deposition of Tungsten Carbonitride Films: Implications for the Choice of Carrier Gas. <i>Chemistry of Materials</i> , 2008, 20, 7246-7251.	3.2	21
79	Deposition of WN _x C _y Using the Allylimido Complexes Cl ₄ (RCN)W(NC ₃ H ₅): Effect of NH ₃ on Film Properties. <i>Journal of the Electrochemical Society</i> , 2008, 155, H829.	1.3	15
80	Ir-Ta-N as a bilayer diffusion barrier for advanced Cu interconnects. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	62
81	Comparative study of ZrN and ZrGeN thin films as diffusion barriers for Cu metallization on Si. <i>Journal of Vacuum Science & Technology B</i> , 2008, 26, 1723.	1.3	7
82	Deposition of WN _x C _y for diffusion barrier application using the imido guanidinato complex W(N ⁱ Pr)Cl ₃ [(ⁱ Pr)NC(NMe ₂)N ⁱ Pr]. <i>Journal of Vacuum Science & Technology B</i> , 2008, 26, 1800.	1.3	14
83	Properties of TaGe(O)N as a diffusion barrier for Cu on Si. <i>Applied Physics Letters</i> , 2007, 90, 051913.	1.5	27
84	Catalysis of the Electrooxidation of Biomass-Derived Alcohol Fuels. <i>ACS Symposium Series</i> , 2007, , 296-310.	0.5	1
85	Electronic Interactions in Iron- and Ruthenium-Containing Heterobimetallic Complexes: A Structural and Spectroscopic Investigations. <i>Organometallics</i> , 2007, 26, 3085-3093.	1.1	15
86	Transition Metal-Catalyzed Oxidative Carbonylation of Amines to Ureas. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4453-4465.	1.2	128
87	Growth of ZrC thin films by aerosol-assisted MOCVD. <i>Journal of Crystal Growth</i> , 2007, 304, 324-332.	0.7	44
88	Equilibrium analysis of zirconium carbide CVD growth. <i>Journal of Crystal Growth</i> , 2007, 307, 302-308.	0.7	29
89	An N-bridged tungsten compound for the chemical vapor deposition of WN _x thin films. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m2733-m2733.	0.2	0
90	Design of precursors for the CVD of inorganic thin films. <i>Dalton Transactions</i> , 2006, , 5327.	1.6	83

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91	Synthesis and Structural Investigation of Tungsten Imido Amidinate and Guanidinate Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 263-268.	1.9	53
92	Selective Catalytic Oxidative Carbonylation of Amino Alcohols to Ureas. <i>Journal of Organic Chemistry</i> , 2006, 71, 734-738.	1.7	22
93	Homogeneous Decomposition of Aryl- and Alkylimido Precursors for the Chemical Vapor Deposition of Tungsten Nitride: A Combined Density Functional Theory and Experimental Study. <i>Journal of the American Chemical Society</i> , 2006, 128, 13781-13788.	6.6	34
94	Electrocatalytic Oxidation of Methanol. <i>ACS Symposium Series</i> , 2006, , 130-142.	0.5	2
95	Investigation of W-Ge-N deposited on Ge as a diffusion barrier for Cu metallization. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 85, 325-329.	1.1	2
96	Comparative study of HfN _x and Hf-Ge-N copper diffusion barriers on Ge. <i>Journal of Applied Physics</i> , 2006, 100, 063532.	1.1	12
97	Ge-HfN _x diffusion barrier for Cu metallization on Si. <i>Applied Physics Letters</i> , 2006, 89, 231914.	1.5	23
98	Thermal and Volumetric Studies of Complex Chemical Hydrides: Li-modified/Ti-doped Mg ₂ FeH ₆ , Sonicated LiNH ₂ /LiH and Zn-doped NaBH ₄ . <i>Materials Research Society Symposia Proceedings</i> , 2005, 885, 1.	0.1	2
99	Selective electrochemical oxidation of methanol to dimethoxymethane using Ru/Sn catalysts. <i>Journal of Molecular Catalysis A</i> , 2005, 227, 113-117.	4.8	24
100	Properties of W-Ge-N as a diffusion barrier material for Cu. <i>Applied Physics Letters</i> , 2005, 87, 111902.	1.5	39
101	Preparation of biotin derivatives by catalytic oxidative carbonylation of diamines. <i>Green Chemistry</i> , 2005, 7, 451.	4.6	9
102	Tungsten Allylimido Complexes Cl ₄ (RCN)W(NC ₃ H ₅) as Single-Source CVD Precursors for WN _x CyThin Films. Correlation of Precursor Fragmentation to Film Properties. <i>Journal of the American Chemical Society</i> , 2005, 127, 7825-7833.	6.6	62
103	Tungsten nitride thin films deposited by MOCVD: sources of carbon and effects on film structure and stoichiometry. <i>Journal of Crystal Growth</i> , 2004, 261, 280-288.	0.7	18
104	Electrochemical oxidation of methanol using dpmm-bridged Ru/Pd, Ru/Pt and Ru/Au catalysts. <i>Dalton Transactions</i> , 2004, , 2352.	1.6	17
105	Effect of NH ₃ on Film Properties of MOCVD Tungsten Nitride from Cl ₄ (CH ₃) ₃ Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5	0.3	31
106	MOCVD of tungsten nitride (WN _x) thin films from the imido complex Cl ₄ (CH ₃ CN)W(NiPr). <i>Journal of Crystal Growth</i> , 2003, 249, 262-274.	0.7	54
107	Cl ₄ (PhCN)W(NPh) as a single-source MOCVD precursor for deposition of tungsten nitride (WN _x) thin films. <i>Journal of Organometallic Chemistry</i> , 2003, 684, 338-350.	0.8	36
108	Catalytic Carbonylation of Functionalized Diamines: Application to the Core Structure of DMP 323 and DMP 450. <i>Journal of Organic Chemistry</i> , 2003, 68, 1615-1617.	1.7	22

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109	Heterobimetallic complexes with dppe-bridged Ru/Pd, Ru/Pt, Ru/Au and Ru/Cu centers. Dalton Transactions, 2003, , 4288.	1.6	22
110	Electrochemical Oxidation of Methanol with Ru/Pd, Ru/Pt, and Ru/Au Heterobimetallic Complexes. Organometallics, 2002, 21, 711-716.	1.1	23
111	Catalytic Oxidative Carbonylation of Primary and Secondary Diamines to Cyclic Ureas. Optimization and Substituent Studies. Journal of Organic Chemistry, 2002, 67, 4086-4092.	1.7	62
112	Catalytic oxidative carbonylation of aliphatic secondary amines to tetrasubstituted ureas. Journal of Molecular Catalysis A, 2000, 159, 11-17.	4.8	39
113	Ligand-centered reactivity of organometallic radicals. Coordination Chemistry Reviews, 2000, 206-207, 469-491.	9.5	74
114	W(CO) ₆ -Catalyzed Oxidative Carbonylation of Primary Amines to N,N'-Disubstituted Ureas in Single or Biphasic Solvent Systems. Optimization and Functional Group Compatibility Studies. Journal of Organic Chemistry, 2000, 65, 5216-5222.	1.7	79
115	Bimetallic Pt/Ru Complexes as Catalysts for the Electrooxidation of Methanol. Inorganic Chemistry, 2000, 39, 3942-3944.	1.9	40
116	Effect of Ligand Variation on the Site of Protonation in the Metal Carbynes CpL ₂ Mo≡C ⁺ CBu and TpL ₂ Mo≡C ⁺ CBu [L = CO, P(OR) ₃]. Organometallics, 1999, 18, 2262-2266.	1.1	14
117	Photophysics and Photoredox Properties of the Tungsten Carbyne Complex Cp{P(OPh) ₃ }(CO)W≡C ⁺ CPh. Inorganic Chemistry, 1999, 38, 3254-3257.	1.9	14
118	Catalytic Oxidative Carbonylation of Primary and Secondary Diamines to Cyclic Ureas. Organic Letters, 1999, 1, 961-964.	2.4	39
119	Formation of α,β -dienes upon photooxidation of alkenyl carbyne complexes. Journal of Organometallic Chemistry, 1998, 554, 13-18.	0.8	7
120	Reaction of the iodo-bridged tungsten(IV) dimer [(PhN)W(CO) ₂ I ₂] ₂ with LiOCH ₃ . Polyhedron, 1998, 17, 3477-3484.	1.0	1
121	Oxidative Carbonylation of Primary Amines to Ureas Using Tungsten Carbonyl Catalysts ¹ . Organometallics, 1998, 17, 4037-4041.	1.1	32
122	Oxidation of Metal Carbynes in the Presence of Alkynes. Alkyne Addition vs H-Shift in the Carbene Intermediate. Organometallics, 1998, 17, 4413-4416.	1.1	7
123	Synthesis and Electrochemical Oxidation of Bridged Ruthenium/Platinum Complexes of 1,10-Phenanthroline-5,6-diolate. Inorganic Chemistry, 1997, 36, 5655-5657.	1.9	36
124	Carbonylation of Amines with a Tungsten(IV) Carbonyl Complex. Organometallics, 1997, 16, 3863-3866.	1.1	43
125	Direct Observation of a Hydrogen Abstraction Product upon Photooxidation of a Tungsten Cyclohexenyl Carbyne Complex. Journal of the American Chemical Society, 1997, 119, 4551-4552.	6.6	13
126	Oxidation of the Zwitterion (CO) ₅ WNPhNPhC(OMe)Ph with I ₂ . Formation of Tungsten(IV) Imido Complexes and a Tungsten(VI) Metallacycle. Organometallics, 1996, 15, 424-428.	1.1	9

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127	Photophysics of Tungsten and Molybdenum Arylcarbyne Complexes. Observation of the Lowest Excited State by Laser Flash Photolysis. <i>Inorganic Chemistry</i> , 1996, 35, 7769-7775.	1.9	23
128	Crystal Structure, Reactivity, and Photochemical Properties of the Tungsten(0) Zwitterionic Amido Complex (CO) ₅ WPhNPhC(OMe)Ph. <i>Organometallics</i> , 1996, 15, 4625-4631.	1.1	8
129	Synthesis and Electrochemistry of Heterobimetallic Ruthenium/Platinum and Molybdenum/Platinum Complexes. <i>Inorganic Chemistry</i> , 1996, 35, 916-922.	1.9	17
130	Organic Products from Oxidation of Metal Carbynes. <i>Synlett</i> , 1996, 1996, 806-814.	1.0	11
131	Reaction of (CO) ₅ W(THF) with triphenylmethyl azide and triptycyl azide. <i>Journal of Organometallic Chemistry</i> , 1995, 485, 123-126.	0.8	6
132	Formation of Olefins Upon Oxidation of Molybdenum Alkyl Carbynes. Organic Radical Reactivity in an Organometallic Radical Cation. <i>Journal of the American Chemical Society</i> , 1995, 117, 6475-6482.	6.6	16
133	Photo-oxidation of metal carbynes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 80, 265-270.	2.0	3
134	Formation of Pentadienal Complexes upon Protonation of Molybdenum (1-Alkylcyclopropyl)carbynes. Electronic Effects on Reductive Elimination versus β -Hydrogen Elimination in Metallacyclohexenones. <i>Journal of the American Chemical Society</i> , 1994, 116, 8629-8637.	6.6	4
135	Tungsten(IV) Imido Complexes from Oxidation of a Protected Zero-Valent Nitrene Precursor. <i>Journal of the American Chemical Society</i> , 1994, 116, 7419-7420.	6.6	15
136	Formation of 1,3-Diene Complexes upon Protonation of Cyclopropylcarbyne Complexes. <i>Organometallics</i> , 1994, 13, 1635-1640.	1.1	12
137	Electrophilic reactions of zerovalent tungsten nitrene and hydrazido complexes with phosphines. Synthesis and structure of (CO) ₄ W[PPh ₂ CH ₂ PPh ₂ NNMe ₂ -N,P]. <i>Organometallics</i> , 1993, 12, 2440-2444.	1.1	11
138	Formation of cyclohexenones by oxidative cyclization of alkene-functionalized carbyne complexes. <i>Organometallics</i> , 1993, 12, 4493-4498.	1.1	14
139	Regioselective and stereoselective formation of cyclopentenones upon photooxidation of cyclopropyl carbyne complexes. <i>Journal of the American Chemical Society</i> , 1993, 115, 10056-10065.	6.6	20
140	Photooxidation of Metal Carbynes. <i>Advances in Chemistry Series</i> , 1993, , 335-349.	0.6	6
141	Photooxidation of Molybdenum and Tungsten Carbynes. , 1993, , 123-125.		0
142	Stabilization of zero-valent hydrazido complexes by phosphine ligands. Crystal structure of fac-(CO) ₃ (DPPE)W:NNMe ₂ , a nitrene analogue to Fischer carbenes. <i>Journal of the American Chemical Society</i> , 1992, 114, 7041-7047.	6.6	20
143	Reactions of acyl-substituted molybdenum carbyne complexes under photooxidative and thermal conditions. Formation of cyclopentenones and oxymetallacycles. <i>Organometallics</i> , 1992, 11, 3571-3578.	1.1	24
144	Metathesis and diaziridination reactions of (CO) ₅ W=C(OMe)-p-XC ₆ H ₄ with cis-azobenzene. Electronic and solvent effects. <i>Journal of the American Chemical Society</i> , 1992, 114, 5153-5160.	6.6	27

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145	Structure of (benzo[c]cinnoline-N')pentacarbonyltungsten. Acta Crystallographica Section C: Crystal Structure Communications, 1992, 48, 1120-1121.	0.4	3
146	Photooxidation of the molybdenum and tungsten carbynes ($\eta^5\text{-C}_5\text{H}_5$) $\text{L}_2\text{M}\cdot\text{C}\equiv\text{C}\text{R}$ [L = P(OMe) $_3$, CO and R = Ph, Me, $\text{c-C}_3\text{H}_5$]. Journal of the American Chemical Society, 1991, 113, 2947-2954.	6.6	47
147	Direct observation of the low-valent hydrazido complex (CO) $_5\text{W}:\text{NNMe}_2$, a nitrene analog of the heteroatom-stabilized Fischer carbenes. Organometallics, 1991, 10, 541-543.	1.1	9
148	Evidence for ambiphilic behavior in (CO) $_5\text{W}:\text{NPh}$. Conversion of carbonyl compounds to N-phenyl imines via metathesis. Journal of the American Chemical Society, 1991, 113, 4871-4876.	6.6	31
149	Formation of diaziridines by reaction of (CO) $_5\text{W}:\text{C}(\text{OMe})\text{Ph}$ with electron-deficient azo compounds. Organometallics, 1991, 10, 1913-1916.	1.1	15
150	Formation of cyclopentenone upon photo-oxidation of the cyclopropyl ($\text{c-C}_3\text{H}_5$) carbyne complex [($\eta^5\text{-C}_5\text{H}_5$) $\{\text{P}(\text{OMe})_3\}(\text{CO})\text{W}\cdot\text{C}(\text{c-C}_3\text{H}_5)$]. Journal of the Chemical Society Chemical Communications, 1990, , 624-625.	2.0	7
151	Trapping of the low-valent nitrene complex (CO) $_5\text{W}:\text{NPh}$ with triphenylphosphine. Formation of the phenylnitrene transfer product PhN = PPh $_3$. Journal of the American Chemical Society, 1989, 111, 8007-8009.	6.6	33
152	Rapid, multistep rearrangements of hydrocarbon triplet biradicals at 4 K. A possible example of hot molecule effects in frozen organic solvents. Journal of the American Chemical Society, 1988, 110, 552-560.	6.6	15
153	Photochemical azo metathesis by tungsten carbene (OC) $_5\text{W}:\text{C}(\text{OCH}_3)\text{CH}_3$. Isolation of a zwitterionic intermediate. Journal of the American Chemical Society, 1988, 110, 8700-8701.	6.6	33
154	Photooxidation of ($\eta^5\text{-C}_5\text{H}_5$) $[\text{P}(\text{OMe})_3]_2\text{Mo}\cdot\text{C}\equiv\text{CPh}$ in CHCl $_3$. Intermediacy of a 17-electron cationic metal carbyne. Journal of the American Chemical Society, 1988, 110, 7535-7536.	6.6	18
155	Radical mechanism for the decomposition of diethyl[2,3,7,8,12,13,17,18-octaethylporphyrinato(2-)]ruthenium. Determination of the metal-carbon bond dissociation energy. Journal of the American Chemical Society, 1986, 108, 1332-1333.	6.6	38
156	Remarkable oxygen affinity of a mixed valence dicobalt cofacial porphyrin Co III Co II FTF $_4$. Journal of the American Chemical Society, 1986, 108, 533-535.	6.6	41
157	Reactivity of zero-valent metalloporphyrin dianions toward organic electrophiles. Journal of the American Chemical Society, 1985, 107, 6110-6111.	6.6	67
158	Cleavage of ruthenium and osmium porphyrin dimers: formation of organometallic ruthenium porphyrin complexes and highly reduced metalloporphyrin species. Journal of the American Chemical Society, 1985, 107, 4570-4571.	6.6	73
159	Theoretical studies on 1,4,6,9-spiro[4.4]nonatetrayl, an organic tetraradical. Journal of the American Chemical Society, 1984, 106, 3461-3466.	6.6	21
160	Concerning the viability of 1,4,6,9-spiro[4.4]nonatetrayl as a reactive intermediate. New biradical-to-biradical rearrangements. Journal of the American Chemical Society, 1984, 106, 3466-3474.	6.6	38
161	Symmetrical intermediates in C $_9\text{H}_{12}$ biradical rearrangements. Possible intervention of an organic tetraradical. Journal of the American Chemical Society, 1982, 104, 4722-4724.	6.6	9