

Lisa McElwee-White

List of Publications by Year in descending order

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161
papers

3,294
citations

136950

32
h-index

223800

46
g-index

177
all docs

177
docs citations

177
times ranked

2592
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition Metal-Catalyzed Oxidative Carbonylation of Amines to Ureas. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4453-4465.	2.4	128
2	Formylation of Amines. <i>Molecules</i> , 2014, 19, 7689-7713.	3.8	124
3	Design of precursors for the CVD of inorganic thin films. <i>Dalton Transactions</i> , 2006, , 5327.	3.3	83
4	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. <i>Journal of Organic Chemistry</i> , 2000, 65, 5216-5222.	3.2	79
5	Ligand-centered reactivity of organometallic radicals. <i>Coordination Chemistry Reviews</i> , 2000, 206-207, 469-491.	18.8	74
6	Cleavage of ruthenium and osmium porphyrin dimers: formation of organometallic ruthenium porphyrin complexes and highly reduced metalloporphyrin species. <i>Journal of the American Chemical Society</i> , 1985, 107, 4570-4571.	13.7	73
7	Reactivity of zero-valent metalloporphyrin dianions toward organic electrophiles. <i>Journal of the American Chemical Society</i> , 1985, 107, 6110-6111.	13.7	67
8	Catalytic Oxidative Carbonylation of Primary and Secondary Diamines to Cyclic Ureas. Optimization and Substituent Studies. <i>Journal of Organic Chemistry</i> , 2002, 67, 4086-4092.	3.2	62
9	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.	13.7	62
10	Ir-Ta N as a bilayer diffusion barrier for advanced Cu interconnects. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	62
11	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.	13.7	60
12	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.	1.5	54
13	Synthesis and Structural Investigation of Tungsten Imido Amidinate and Guanidinate Complexes. <i>Inorganic Chemistry</i> , 2006, 45, 263-268.	4.0	53
14	Photooxidation of the molybdenum and tungsten carbynes (η^5 -C ₅ H ₅)L ₂ M(σ -bonded-CR [L = P(OMe) ₃ , CO and R = Ph, Me, <i>c</i> -C ₃ H ₅]. <i>Journal of the American Chemical Society</i> , 1991, 113, 2947-2954.	13.7	47
15	Growth of ZrC thin films by aerosol-assisted MOCVD. <i>Journal of Crystal Growth</i> , 2007, 304, 324-332.	1.5	44
16	Carbonylation of Amines with a Tungsten(IV) Carbonyl Complex. <i>Organometallics</i> , 1997, 16, 3863-3866.	2.3	43
17	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.	2.3	42
18	Remarkable oxygen affinity of a mixed valence dicobalt cofacial porphyrin Co ^{III} Co ^{II} FTF ₄ . <i>Journal of the American Chemical Society</i> , 1986, 108, 533-535.	13.7	41

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19	Bimetallic Pt/Ru Complexes as Catalysts for the Electrooxidation of Methanol. <i>Inorganic Chemistry</i> , 2000, 39, 3942-3944.	4.0	40
20	Preparation of Hydantoins by Catalytic Oxidative Carbonylation of α -Amino Amides. <i>Journal of Organic Chemistry</i> , 2009, 74, 8862-8865.	3.2	40
21	Catalytic Oxidative Carbonylation of Primary and Secondary α,ω -Diamines to Cyclic Ureas. <i>Organic Letters</i> , 1999, 1, 961-964.	4.6	39
22	Catalytic oxidative carbonylation of aliphatic secondary amines to tetrasubstituted ureas. <i>Journal of Molecular Catalysis A</i> , 2000, 159, 11-17.	4.8	39
23	Properties of $\text{W}\alpha\text{Ge}\alpha\text{N}$ as a diffusion barrier material for Cu. <i>Applied Physics Letters</i> , 2005, 87, 111902.	3.3	39
24	Concerning the viability of 1,4,6,9-spiro[4.4]nonatetrayl as a reactive intermediate. New biradical-to-biradical rearrangements. <i>Journal of the American Chemical Society</i> , 1984, 106, 3466-3474.	13.7	38
25	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. <i>Journal of the American Chemical Society</i> , 1986, 108, 1332-1333.	13.7	38
26	Synthesis and Electrochemical Oxidation of Bridged Ruthenium/Platinum Complexes of 1,10-Phenanthroline-5,6-diolate. <i>Inorganic Chemistry</i> , 1997, 36, 5655-5657.	4.0	36
27	$\text{Cl}_4(\text{PhCN})\text{W}(\text{NPh})$ 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.	1.8	36
28	Electron Induced Surface Reactions of <i>cis</i> - $\text{Pt}(\text{CO})_2\text{Cl}_2$: A Route to Focused Electron Beam Induced Deposition of Pure Pt Nanostructures. <i>Journal of the American Chemical Society</i> , 2016, 138, 9172-9182.	13.7	36
29	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.	13.7	34
30	Iron and Ruthenium Heterobimetallic Carbonyl Complexes as Electrocatalysts for Alcohol Oxidation: Electrochemical and Mechanistic Studies. <i>Organometallics</i> , 2011, 30, 5568-5577.	2.3	34
31	Photochemical azo metathesis by tungsten carbene $(\text{OC})_5\text{W}:\text{C}(\text{OCH}_3)\text{CH}_3$. Isolation of a zwitterionic intermediate. <i>Journal of the American Chemical Society</i> , 1988, 110, 8700-8701.	13.7	33
32	Trapping of the low-valent nitrene complex $(\text{CO})_5\text{W}:\text{NPh}$ with triphenylphosphine. Formation of the phenylnitrene transfer product $\text{PhN} = \text{PPh}_3$. <i>Journal of the American Chemical Society</i> , 1989, 111, 8007-8009.	13.7	33
33	Oxidative Carbonylation of Primary Amines to Ureas Using Tungsten Carbonyl Catalysts 1. <i>Organometallics</i> , 1998, 17, 4037-4041.	2.3	32
34	Evidence for ambiphilic behavior in $(\text{CO})_5\text{W}:\text{NPh}$. Conversion of carbonyl compounds to N-phenyl imines via metathesis. <i>Journal of the American Chemical Society</i> , 1991, 113, 4871-4876.	13.7	31
35	Effect of NH_3 on Film Properties of MOCVD Tungsten Nitride from $\text{Cl}_4(\text{CH}_3)_t\text{ETQq}_1$	0.784314	31
36	Equilibrium analysis of zirconium carbide CVD growth. <i>Journal of Crystal Growth</i> , 2007, 307, 302-308.	1.5	29

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37	Electron-Induced Surface Reactions of $\text{I}^{\text{-3}}$ -Allyl Ruthenium Tricarbonyl Bromide [$\text{I}^{\text{-3}}\text{-C}^{\text{3}}\text{H}^{\text{5}}$] $\text{Ru}(\text{CO})^{\text{3}}\text{Br}$]: Contrasting the Behavior of Different Ligands. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15349-15359.	3.1	28
38	Mechanism-based design of precursors for focused electron beam-induced deposition. <i>MRS Communications</i> , 2018, 8, 343-357.	1.8	28
39	Metathesis and diaziridination reactions of $(\text{CO})_5\text{W}=\text{C}(\text{OMe})\text{-p-XC}_6\text{H}_4$ with cis-azobenzene. Electronic and solvent effects. <i>Journal of the American Chemical Society</i> , 1992, 114, 5153-5160.	13.7	27
40	Properties of Ta $\hat{=}$ Ge $\hat{=}$ (O)N as a diffusion barrier for Cu on Si. <i>Applied Physics Letters</i> , 2007, 90, 051913.	3.3	27
41	Reactions of acyl-substituted molybdenum carbyne complexes under photooxidative and thermal conditions. Formation of cyclopentenones and oxymetallacycles. <i>Organometallics</i> , 1992, 11, 3571-3578.	2.3	24
42	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
43	Catalytic Oxidative Carbonylation of Arylamines to Ureas with $\text{W}(\text{CO})^{\text{6}}/\text{I}^{\text{2}}$ as Catalyst. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 6261-6268.	2.4	24
44	Tungsten Nitrido Complexes as Precursors for Low Temperature Chemical Vapor Deposition of $\text{WN}^{\text{x}}\text{C}^{\text{y}}$ Films as Diffusion Barriers for Cu Metallization. <i>Journal of the American Chemical Society</i> , 2014, 136, 1650-1662.	13.7	24
45	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.	4.0	23
46	Electrochemical Oxidation of Methanol with Ru/Pd, Ru/Pt, and Ru/Au Heterobimetallic Complexes. <i>Organometallics</i> , 2002, 21, 711-716.	2.3	23
47	Ge $\hat{=}$ HfN x diffusion barrier for Cu metallization on Si. <i>Applied Physics Letters</i> , 2006, 89, 231914.	3.3	23
48	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.	3.2	22
49	Heterobimetallic complexes with dpmm-bridged Ru/Pd, Ru/Pt, Ru/Au and Ru/Cu centers. <i>Dalton Transactions</i> , 2003, , 4288.	3.3	22
50	Selective Catalytic Oxidative Carbonylation of Amino Alcohols to Ureas. <i>Journal of Organic Chemistry</i> , 2006, 71, 734-738.	3.2	22
51	Deposition of WN_xC_y thin films for diffusion barrier application using the dimethylhydrazido ($2\hat{=}$) tungsten complex $(\text{CH}_3\text{CN})\text{Cl}_4\text{W}(\text{NNMe}_2)$. <i>Thin Solid Films</i> , 2009, 517, 6038-6045.	1.8	22
52	Carbonylation of functionalized diamine diols to cyclic ureas: application to derivatives of DMP 450. <i>Tetrahedron</i> , 2011, 67, 3976-3983.	1.9	22
53	Oxidative carbonylation of amines to formamides using NaIO_4 . <i>Chemical Communications</i> , 2012, 48, 11310.	4.1	22
54	Synthesis of $\text{WN}(\text{NMe}^{\text{2}})^{\text{3}}$ as a Precursor for the Deposition of WN^{x} Nanospheres. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4579-4584.	2.0	22

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55	Theoretical studies on 1,4,6,9-spiro[4.4]nonatetrayl, an organic tetraradical. <i>Journal of the American Chemical Society</i> , 1984, 106, 3461-3466.	13.7	21
56	Synthesis and Characterization of Diorganohydrazido(2 ⁻) Tungsten Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 4457-4462.	4.0	21
57	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.	6.7	21
58	Electron induced surface reactions of (i ³ -C ₃ H ₅)Fe(CO) ₂ Mn(CO) ₅ , a potential heterobimetallic precursor for focused electron beam induced deposition (FEBID). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7862-7874.	2.8	21
59	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.	13.7	20
60	Regioselective and stereoselective formation of cyclopentenones upon photooxidation of cyclopropyl carbyne complexes. <i>Journal of the American Chemical Society</i> , 1993, 115, 10056-10065.	13.7	20
61	Mechanism-Based Design of Precursors for MOCVD. <i>ECS Transactions</i> , 2009, 25, 161-171.	0.5	19
62	NaIO ₄ -oxidized carbonylation of amines to ureas. <i>Chemical Communications</i> , 2009, , 947.	4.1	19
63	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.	8.0	19
64	Photooxidation of (η ⁵ -C ₅ H ₅)[P(OMe) ₃] ₂ Mo≡CPh in CHCl ₃ . Intermediacy of a 17-electron cationic metal carbyne. <i>Journal of the American Chemical Society</i> , 1988, 110, 7535-7536.	13.7	18
65	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.	1.5	18
66	Synthesis and Electrochemistry of Heterobimetallic Ruthenium/Platinum and Molybdenum/Platinum Complexes. <i>Inorganic Chemistry</i> , 1996, 35, 916-922.	4.0	17
67	Electrochemical oxidation of methanol using dppe-bridged Ru/Pd, Ru/Pt and Ru/Au catalysts. <i>Dalton Transactions</i> , 2004, , 2352.	3.3	17
68	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.	4.0	17
69	Low energy electron-induced decomposition of (i ³ -C ₃ H ₅)Ru(CO) ₃ Br, a potential focused electron beam induced deposition precursor with a heteroleptic ligand set. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13264-13271.	2.8	17
70	Halide Effects on the Sublimation Temperature of X ⁻ Au ⁺ L Complexes: Implications for Their Use as Precursors in Vapor Phase Deposition Methods. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40998-41005.	8.0	17
71	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.	2.8	17
72	Efficient NH ₃ -based process to remove chlorine from electron beam deposited ruthenium produced from (i ³ -C ₃ H ₅)Ru(CO) ₃ Cl. <i>Scientific Reports</i> , 2020, 10, 10901.	3.3	17

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73	Precursors for chemical vapor deposition of tungsten oxide and molybdenum oxide. <i>Coordination Chemistry Reviews</i> , 2020, 421, 213459.	18.8	17
74	Formation of Olefins Upon Oxidation of Molybdenum Alkyl Carbynes. <i>Organic Radical Reactivity in an Organometallic Radical Cation</i> . <i>Journal of the American Chemical Society</i> , 1995, 117, 6475-6482.	13.7	16
75	η^5 -Disubstituted- η^2 -acylthioureas as modular ligands for deposition of transition metal sulfides. <i>Dalton Transactions</i> , 2018, 47, 2719-2726.	3.3	16
76	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.	8.0	16
77	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.	2.3	16
78	Rapid, multistep rearrangements of hydrocarbon triplet biradicals at 4 K. A possible example of hot molecule effects in frozen organic solvents. <i>Journal of the American Chemical Society</i> , 1988, 110, 552-560.	13.7	15
79	Formation of diaziridines by reaction of $(\text{CO})_5\text{W}:\text{C}(\text{OMe})\text{Ph}$ with electron-deficient azo compounds. <i>Organometallics</i> , 1991, 10, 1913-1916.	2.3	15
80	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.	13.7	15
81	Electronic Interactions in Iron- and Ruthenium-Containing Heterobimetallic Complexes: A Structural and Spectroscopic Investigations. <i>Organometallics</i> , 2007, 26, 3085-3093.	2.3	15
82	Deposition of W_xC_y Using the Allylimido Complexes $\text{Cl}_4(\text{RCN})\text{W}(\text{NC}_3\text{H}_5)$: Effect of NH_3 on Film Properties. <i>Journal of the Electrochemical Society</i> , 2008, 155, H829.	2.9	15
83	Partially fluorinated oxo-alkoxide tungsten(η^5) complexes as precursors for deposition of WO_x nanomaterials. <i>Dalton Transactions</i> , 2014, 43, 9226-9233.	3.3	15
84	Formation of cyclohexenones by oxidative cyclization of alkene-functionalized carbyne complexes. <i>Organometallics</i> , 1993, 12, 4493-4498.	2.3	14
85	Effect of Ligand Variation on the Site of Protonation in the Metal Carbynes $\text{CpL}_2\text{Mo}^+\text{CBu}$ and $\text{TpL}_2\text{Mo}^+\text{CBu}$ [$\text{L} = \text{CO}, \text{P}(\text{OR})_3$]. <i>Organometallics</i> , 1999, 18, 2262-2266.	2.3	14
86	Photophysics and Photoredox Properties of the Tungsten Carbyne Complex $\text{Cp}\{\text{P}(\text{OPh})_3\}(\text{CO})\text{W}^+\text{CPh}$. <i>Inorganic Chemistry</i> , 1999, 38, 3254-3257.	4.0	14
87	Deposition of W_xC_y for diffusion barrier application using the imido guanidinato complex $\text{W}(\text{N}^i\text{Pr})\text{Cl}_3[\text{N}^i\text{PrNC}(\text{NMe}_2)\text{N}^i\text{Pr}]$. <i>Journal of Vacuum Science & Technology B</i> , 2008, 26, 1800.	1.3	14
88	Direct Observation of a Hydrogen Abstraction Product upon Photooxidation of a Tungsten Cyclohexenyl Carbyne Complex. <i>Journal of the American Chemical Society</i> , 1997, 119, 4551-4552.	13.7	13
89	Properties of reactively sputtered W^+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.	2.3	13
90	Synthesis and evaluation of η^2 -diketonate and η^2 -ketoesterate tungsten(η^5) oxo-alkoxide complexes as precursors for chemical vapor deposition of WO_x thin films. <i>Dalton Transactions</i> , 2016, 45, 10897-10908.	3.3	13

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91	Aerosol-assisted chemical vapor deposition of WS ₂ from the single source precursor WS(S ₂)(S ₂ CNEt ₂) ₂ . Chemical Communications, 2017, 53, 7728-7731.	4.1	13
92	Formation of 1,3-Diene Complexes upon Protonation of Cyclopropylcarbyne Complexes. Organometallics, 1994, 13, 1635-1640.	2.3	12
93	Comparative study of Hf _N x and Hfâ€“Geâ€“N copper diffusion barriers on Ge. Journal of Applied Physics, 2006, 100, 063532.	2.5	12
94	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. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2009, 27, 943-950.	2.1	12
95	Identifying and Rationalizing the Differing Surface Reactions of Low-Energy Electrons and Ions with an Organometallic Precursor. Journal of Physical Chemistry Letters, 2020, 11, 2006-2013.	4.6	12
96	Electron-Induced Reactions of Ru(CO) ₄ ₂ : Gas Phase, Surface, and Electron Beam-Induced Deposition. Journal of Physical Chemistry C, 2020, 124, 10593-10604.	3.1	12
97	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]. Organometallics, 1993, 12, 2440-2444.	2.3	11
98	Organic Products from Oxidation of Metal Carbynes. Synlett, 1996, 1996, 806-814.	1.8	11
99	Electrochemical oxidation of methanol using alcohol-soluble Ru/Pt and Ru/Pd catalysts. Inorganica Chimica Acta, 2008, 361, 3237-3246.	2.4	11
100	Low energy electron-induced decomposition of (Î ⁵ -Cp)Fe(CO) ₂ Mn(CO) ₅ , a potential bimetallic precursor for focused electron beam induced deposition of alloy structures. Physical Chemistry Chemical Physics, 2018, 20, 5644-5656.	2.8	11
101	Electron beam-induced deposition of platinum from Pt(CO) ₂ Cl ₂ and Pt(CO) ₂ Br ₂ . Beilstein Journal of Nanotechnology, 2020, 11, 1789-1800.	2.8	11
102	Dioxoâ€“Fluoroalkoxide Tungsten(VI) Complexes for Growth of WO _x Thin Films by Aerosol-Assisted Chemical Vapor Deposition. Inorganic Chemistry, 2015, 54, 7536-7547.	4.0	10
103	Surface Plasmon-Mediated Chemical Solution Deposition of Cu Nanoparticle Films. Journal of Physical Chemistry C, 2016, 120, 20775-20780.	3.1	10
104	Dissociation of the FEBID precursor <i>cis</i> -Pt(CO) ₂ Cl ₂ driven by low-energy electrons. Physical Chemistry Chemical Physics, 2020, 22, 6100-6108.	2.8	10
105	Symmetrical intermediates in C ₉ H ₁₂ biradical rearrangements. Possible intervention of an organic tetradical. Journal of the American Chemical Society, 1982, 104, 4722-4724.	13.7	9
106	Direct observation of the low-valent hydrazido complex (CO) ₅ W:NNMe ₂ , a nitrene analog of the heteroatom-stabilized Fischer carbenes. Organometallics, 1991, 10, 541-543.	2.3	9
107	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.	2.3	9
108	Preparation of biotin derivatives by catalytic oxidative carbonylation of diamines. Green Chemistry, 2005, 7, 451.	9.0	9

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109	Synthesis and Electronic Structure of Tetrakis(η^3 -phenylpropargyl)zirconium. <i>Organometallics</i> , 2010, 29, 5252-5256.	2.3	9
110	Photochemical CVD of Ru on functionalized self-assembled monolayers from organometallic precursors. <i>Journal of Chemical Physics</i> , 2017, 146, 052816.	3.0	9
111	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.	8.0	9
112	Crystal Structure, Reactivity, and Photochemical Properties of the Tungsten(0) Zwitterionic Amido Complex $(\text{CO})_5\text{WNPhNPhC}(\text{OMe})\text{Ph}$. <i>Organometallics</i> , 1996, 15, 4625-4631.	2.3	8
113	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.	8.0	8
114	Dissociative ionization of the potential focused electron beam induced deposition precursor η^3 -allyl ruthenium(II) tricarbonyl bromide, a combined theoretical and experimental study. <i>European Physical Journal D</i> , 2019, 73, 1.	1.3	8
115	Dimerization of ethynylaniline to a quinoline derivative using a ruthenium/gold heterobimetallic catalyst. <i>Arkivoc</i> , 2010, 2010, 160-166.	0.5	8
116	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.	8.0	8
117	Formation of cyclopentenone upon photo-oxidation of the cyclopropyl (η^3 -C ₃ H ₅) carbyne complex $[(\eta^3\text{-C}_5\text{H}_5)\{\text{P}(\text{OMe})_3\}(\text{CO})\text{W}\equiv\text{C}(\eta^3\text{-C}_3\text{H}_5)]$. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 624-625.	2.0	7
118	Formation of η^3 -dienes upon photooxidation of alkenyl carbyne complexes. <i>Journal of Organometallic Chemistry</i> , 1998, 554, 13-18.	1.8	7
119	Oxidation of Metal Carbynes in the Presence of Alkynes. Alkyne Addition vs H-Shift in the Carbene Intermediate. <i>Organometallics</i> , 1998, 17, 4413-4416.	2.3	7
120	Comparative study of ZrN and $\text{Zr}\epsilon\text{-Ge}\epsilon\text{-N}$ thin films as diffusion barriers for Cu metallization on Si. <i>Journal of Vacuum Science & Technology B</i> , 2008, 26, 1723.	1.3	7
121	Heterobimetallic Complexes of Polypyridyl Ligands Containing Paramagnetic Centers: Synthesis and Characterization by IR and EPR. <i>Inorganic Chemistry</i> , 2013, 52, 14116-14123.	4.0	7
122	Effect of the Ligand Structure on Chemical Vapor Deposition of WN_xC_y Thin Films from Tungsten Nitrido Complexes of the Type $\text{WN}(\text{NR})_2(\text{NR})_3$. <i>Chemistry of Materials</i> , 2015, 27, 8326-8336.	6.7	7
123	Surface Reactions of Low-Energy Argon Ions with Organometallic Precursors. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24795-24808.	3.1	7
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