

Justin R Walensky

List of Publications by Year in descending order

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87
papers

2,432
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185998

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#	ARTICLE	IF	CITATIONS
1	Deep eutectic solvents comprising creatine and citric acid and their hydrated mixtures. <i>Chemical Communications</i> , 2022, 58, 2838-2841.	2.2	5
2	Reduction of CO ₂ and CS ₂ with Uranium(III) Metallocene Aryloxides. <i>Organometallics</i> , 2022, 41, 1579-1585.	1.1	4
3	Structure of copper(I) and silver(I) complexes with zwitterionic ligands derived from N-Heterocyclic Carbenes. <i>Inorganica Chimica Acta</i> , 2021, 514, 120033.	1.2	6
4	Cyclopentadienyl and phospholyl compounds in organometallic actinide chemistry. , 2021, , .		3
5	Isolation of a [Fe(CO) ₄] ²⁻ -Bridged Diuranium Complex Obtained via Reduction of Fe(CO) ₅ with Uranium(III). <i>Organometallics</i> , 2021, 40, 1411-1415.	1.1	9
6	Systematic Investigation of the Molecular and Electronic Structure of Thorium and Uranium Phosphorus and Arsenic Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 10614-10630.	1.9	15
7	Formation and Reactivity with ^t BuCN of a Thorium Phosphinidide through a Combined Experimental and Computational Analysis. <i>Organometallics</i> , 2021, 40, 2701-2708.	1.1	4
8	Structural, Spectroscopic, and Computational Analysis of Heterometallic Thorium Phosphinidide Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 14932-14943.	1.9	2
9	Backbonding in Thorium(IV) and Uranium(IV) Diarsenido Complexes with ^t BuNC and CO. <i>Chemistry - A European Journal</i> , 2021, 27, 14396-14400.	1.7	6
10	Crystal structure of [Th ₃ (Cp*) ₃ (O)(OH) ₃] ₂ Cl ₂ (N ₃) ₆ ; a discrete molecular capsule built from multinuclear organothorium cluster cations. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 971-974.	0.2	0
11	Crystal structures of metallocene complexes with uranium-germanium bonds. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 1258-1262.	0.2	2
12	Hydration of ^U -UO ₃ following storage under controlled conditions of temperature and relative humidity. <i>Dalton Transactions</i> , 2020, 49, 10452-10462.	1.6	16
13	Two-Electron Reduction of a U(VI) Complex with Al(C ₅ Me ₅). <i>Inorganic Chemistry</i> , 2020, 59, 16137-16142.	1.9	12
14	Comparative Insertion Reactivity of CO, CO ₂ , ^t BuCN, and ^t BuNC into Thorium- and Uranium-Phosphorus Bonds. <i>Organometallics</i> , 2020, 39, 2152-2161.	1.1	19
15	Divergent uranium- versus phosphorus-based reduction of Me ₃ SiN ₃ with steric modification of phosphido ligands. <i>Chemical Science</i> , 2020, 11, 5830-5835.	3.7	17
16	Organometallic Uranyl Complexes Featuring a Carbodicarbene Ligand. <i>Organometallics</i> , 2020, 39, 783-787.	1.1	15
17	Synthesis and Utility of Neptunium(III) Hydrocarbyl Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14891-14895.	7.2	14
18	Time of flight mass spectrometry with direct extraction of a uranium plasma. <i>International Journal of Mass Spectrometry</i> , 2019, 445, 116190.	0.7	0

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19	Synthesis and Utility of Neptunium(III) Hydrocarbyl Complex. <i>Angewandte Chemie</i> , 2019, 131, 15033-15037.	1.6	1
20	Thorium(IV) and Uranium(IV) Phosphazenes. <i>Inorganics</i> , 2019, 7, 105.	1.2	18
21	Formation of an η^2 -Diimine from Isocyanide Coupling Using Thorium(IV) and Uranium(IV) Phosphido- η^5 -Methyl Complexes. <i>Organometallics</i> , 2019, 38, 1733-1740.	1.1	11
22	Investigation of the Electronic Structure of Aryl-Bridged Dinuclear U(III) and U(IV) Compounds. <i>Organometallics</i> , 2019, 38, 1031-1040.	1.1	14
23	Double insertion of benzophenone into thorium-phosphorus bonds. <i>Journal of Organometallic Chemistry</i> , 2018, 857, 159-163.	0.8	13
24	Site-Specific Metal Chelation Facilitates the Unveiling of Hidden Coordination Sites in an Fe ^{II} /Fe ^{III} -Seamed Pyrogallol[4]arene Nanocapsule. <i>Journal of the American Chemical Society</i> , 2018, 140, 15611-15615.	6.6	17
25	Functionalization of Carbon Monoxide and tert- β -Butyl Nitrile by Intramolecular Proton Transfer in a Bis(Phosphido) Thorium Complex. <i>Angewandte Chemie</i> , 2018, 130, 16990-16995.	1.6	3
26	Functionalization of Carbon Monoxide and tert- β -Butyl Nitrile by Intramolecular Proton Transfer in a Bis(Phosphido) Thorium Complex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16748-16753.	7.2	25
27	Oxidation State Distributions Provide Insight into Parameters Directing the Assembly of Metal-Organic Nanocapsules. <i>Journal of the American Chemical Society</i> , 2018, 140, 13022-13027.	6.6	10
28	Structure and properties of [(4,6-t-Bu ₂ C ₆ H ₂ O) ₂ Se ₂ An(THF) ₂], An = U, Np, and their reaction with p-benzoquinone. <i>Chemical Communications</i> , 2018, 54, 10435-10438.	2.2	12
29	In situ redox reactions facilitate the assembly of a mixed-valence metal-organic nanocapsule. <i>Nature Communications</i> , 2018, 9, 2119.	5.8	19
30	Influence of Substituents on the Electronic Structure of Mono- and Bis(phosphido) Thorium(IV) Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 7270-7278.	1.9	13
31	Coordination Chemistry and QTAIM Analysis of Homoleptic Dithiocarbamate Complexes, M(S ₂ CN _i Pr ₂) ₄ (M = Ti, Zr, Hf, Th, U, Np). <i>Inorganic Chemistry</i> , 2018, 57, 10518-10524.	1.9	24
32	Four-electron reduction chemistry using a uranium(III) phosphido complex. <i>Dalton Transactions</i> , 2018, 47, 8189-8192.	1.6	30
33	Phosphorano-Stabilized Carbene Complexes with Short Thorium(IV) η^5 and Uranium(IV) η^5 Carbon Bonds. <i>Organometallics</i> , 2018, 37, 1884-1891.	1.1	29
34	Morphology of U ₃ O ₈ materials following storage under controlled conditions of temperature and relative humidity. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 35-42.	0.7	20
35	Metal-Ligand Multiple Bonding in Thorium Phosphorus and Thorium Arsenic Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 16748-16752.	1.7	36
36	Formation of Methane versus Benzene in the Reactions of (C ₅ Me ₅) ₂ Th(CH ₃) ₂ with [CH ₃ PPh ₃] ₃ X (X=Cl, Br, I) Yielding Thorium-Carbene or Thorium-Wide Complexes. <i>Angewandte Chemie</i> , 2017, 129, 13105-13109.	1.6	5

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37	Formation of Methane versus Benzene in the Reactions of $(C_5Me_5)_2Th(CH_3)_2$ with $[CH_3PPH_3]X$ (X=Cl, Br, I) Yielding Thorium Carbene or Thorium Ylide Complexes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12925-12929.	7.2	30
38	Synthesis and fluorescence spectroscopy of tris(pyrenyl)pnictogen compounds. <i>Dalton Transactions</i> , 2017, 46, 10867-10875.	1.6	10
39	Extraction of Water and Speciation of Trivalent Lanthanides and Americium in Organophosphorus Extractants. <i>Inorganic Chemistry</i> , 2016, 55, 12675-12685.	1.9	18
40	Comparison of morphologies of a uranyl peroxide precursor and calcination products. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 309, 827-832.	0.7	24
41	Insertion of tBuNC into thorium phosphorus and thorium arsenic bonds: phosphazaallene and arsaazaallene moieties in f element chemistry. <i>Dalton Transactions</i> , 2016, 45, 10042-10049.	1.6	38
42	Copper(i) clusters with bulky dithiocarboxylate, thiolate, and selenolate ligands. <i>Dalton Transactions</i> , 2016, 45, 14265-14276.	1.6	21
43	Uranium(III) and thorium(IV) alkyl complexes as potential starting materials. <i>Chemical Communications</i> , 2016, 52, 14373-14375.	2.2	16
44	Pseudo-halide uranyl salicylaldiminate complexes including the isolation of a rare uranyl azide. <i>Journal of Coordination Chemistry</i> , 2016, 69, 1904-1913.	0.8	4
45	A lexicon for consistent description of material images for nuclear forensics. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 1611-1619.	0.7	35
46	Synthesis of Thorium(IV) and Uranium(IV) Salicylaldiminate Pseudo-Halide Complexes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2996-3005.	1.0	14
47	Structure and spectroscopy of uranyl and thorium complexes with substituted phosphine oxide ligands. <i>Radiochimica Acta</i> , 2015, 103, 49-56.	0.5	4
48	Even and odd: uranium(IV) complexes with two, four, and six salicylaldiminate ligands with an unusual η^1 -coordination mode. <i>Journal of Coordination Chemistry</i> , 2015, 68, 3718-3726.	0.8	2
49	Dithio- and Diselenophosphinate Thorium(IV) and Uranium(IV) Complexes: Molecular and Electronic Structures, Spectroscopy, and Transmetalation Reactivity. <i>Inorganic Chemistry</i> , 2015, 54, 11625-11636.	1.9	35
50	Formation of a Bridging Phosphinidene Thorium Complex. <i>Journal of the American Chemical Society</i> , 2015, 137, 14846-14849.	6.6	62
51	Stabilization of $M^{IV} = Ti, Zr, Hf, Ce, \text{ and } Th$ using a selenium bis(phenolate) ligand. <i>Dalton Transactions</i> , 2015, 44, 2693-2702.	1.6	30
52	Di- and Trinuclear Mixed-Valence Copper Amidinate Complexes from Reduction of Iodine. <i>Inorganic Chemistry</i> , 2015, 54, 8509-8517.	1.9	13
53	Synthesis, spectroscopy, electrochemistry, and coordination chemistry of substituted phosphine sulfides and selenides. <i>Polyhedron</i> , 2015, 100, 333-343.	1.0	12
54	Host-Guest Behavior of a Heavy-Atom Heterocycle $Re_4(CO)_{16}(\eta^4-SbPh_2)_2(\eta^4-H)_2$ Obtained from a Palladium-Assisted Ring Opening Dimerization of $Re_2(CO)_8(\eta^4-SbPh_2)(\eta^4-H)$. <i>Inorganic Chemistry</i> , 2015, 54, 3536-3544.	1.9	6

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55	Oxidation and Hydration of U ₃ O ₈ Materials Following Controlled Exposure to Temperature and Humidity. <i>Analytical Chemistry</i> , 2015, 87, 4210-4217.	3.2	33
56	Silyl-Silylene Interplay in Cationic PSiP Pincer Complexes of Platinum. <i>Organometallics</i> , 2015, 34, 3930-3933.	1.1	46
57	Synthesis, Spectroscopy, and Electrochemistry of (Î±-Diimine)M(CO) ₃ Br, M = Mn, Re, Complexes: Ligands Isoelectronic to Bipyridyl Show Differences in CO ₂ Reduction. <i>Organometallics</i> , 2015, 34, 3-12.	1.1	72
58	Reactivity of Mononuclear and Dinuclear Gold(I) Amidinate Complexes with CS ₂ and CsBr ₃ . <i>Inorganics</i> , 2014, 2, 540-551.	1.2	7
59	Trivalent Uranium Phenylchalcogenide Complexes: Exploring the Bonding and Reactivity with CS ₂ in the Tp* ₂ UEPh Series (E = O, S, Se, Te). <i>Inorganic Chemistry</i> , 2014, 53, 12977-12985.	1.9	29
60	Reactivity of Organothorium Complexes with TEMPO. <i>Inorganic Chemistry</i> , 2014, 53, 8455-8463.	1.9	21
61	Harnessing redox activity for the formation of uranium tris(imido) compounds. <i>Nature Chemistry</i> , 2014, 6, 919-926.	6.6	145
62	Multinuclear Copper(I) and Silver(I) Amidinate Complexes: Synthesis, Luminescence, and CS ₂ Insertion Reactivity. <i>Inorganic Chemistry</i> , 2014, 53, 11357-11366.	1.9	52
63	Systematic Investigation of Thorium(IV) and Uranium(IV) Ligand Bonding in Dithiophosphonate, Thioselenophosphinate, and Diselenophosphonate Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 10623-10631.	1.9	49
64	Actinide Metallocene Hydride Chemistry: C-H Activation in Tetramethylcyclopentadienyl Ligands to Form [Î¼ ⁵ -C ₅ Me ₃ H(CH ₂) ₂] ²⁺ Tuck-over Ligands in a Tetrathorium Octahydride Complex. <i>Organometallics</i> , 2013, 32, 6522-6531.	1.1	61
65	Understanding Pd-Pd Bond Length Variation in (PNP)Pd-Pd(PNP) Dimers. <i>Inorganic Chemistry</i> , 2013, 52, 2317-2322.	1.9	15
66	Molecular structure and spectroscopy of divalent first row transition metals, Mn-Zn, with salicylaldiminate ligands. <i>Polyhedron</i> , 2013, 54, 300-308.	1.0	7
67	Monomeric Rhodium(II) Complexes Supported by a Diarylamido/Bis(phosphine) PNP Pincer Ligand and Their Reactivity Toward Dihydrogen. <i>Organometallics</i> , 2013, 32, 2050-2058.	1.1	32
68	In Pursuit of Homoleptic Actinide Alkyl Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 3556-3564.	1.9	42
69	Bringing Redox Reactivity to a Redox Inactive Metal Center - E-E (E = C, Si) Bond Cleavage with a Thorium Bis(Î±-diimine) Complex. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4050-4055.	1.0	35
70	Synthesis of Terminal Uranium(IV) Disulfido and Diselenido Compounds by Activation of Elemental Sulfur and Selenium. <i>Chemistry - A European Journal</i> , 2013, 19, 16176-16180.	1.7	40
71	Computational Insights into Uranium Complexes Supported by Redox-Active Î±-Diimine Ligands. <i>Inorganic Chemistry</i> , 2012, 51, 2058-2064.	1.9	25
72	John P. Fackler, Jr.: A Half-Century as a Leader of Inorganic Chemistry. <i>Comments on Inorganic Chemistry</i> , 2012, 33, 87-87.	3.0	0

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73	Tetrahena-heterocycle from the Palladium-Catalyzed Dimerization of $\text{Re}(\text{CO})_8(\text{I}^{1/4}\text{-SbPh})_2(\text{I}^{1/4}\text{-H})$ Exhibits an Unusual Host-Guest Behavior. <i>Journal of the American Chemical Society</i> , 2011, 133, 12994-12997.	6.6	144
74	Synthesis of a Phosphorano-Stabilized U(IV)-Carbene via One-Electron Oxidation of a U(III)-Ylide Adduct. <i>Journal of the American Chemical Society</i> , 2011, 133, 6894-6897.	6.6	100
75	High-Valent Uranium Alkyls: Evidence for the Formation of $\text{U}^{\text{VI}}(\text{CH}_2\text{SiMe}_3)_6$. <i>Journal of the American Chemical Society</i> , 2011, 133, 11732-11743.	6.6	87
76	Reactivity of Methyl Groups in Actinide Metallocene Amidinate and Triazenido Complexes with Silver and Copper Salts. <i>Organometallics</i> , 2010, 29, 101-107.	1.1	43
77	DFT and CASPT2 Analysis of Polymetallic Uranium Nitride and Oxide Complexes: How Theory Can Help When X-Ray Analysis Is Inadequate. <i>Journal of the American Chemical Society</i> , 2010, 132, 12397-12403.	6.6	39
78	Reaction Chemistry of the U^{3+} Metallocene Amidinate $(\text{C}_5\text{Me}_5)_2[\text{PrNC}(\text{Me})\text{N}(\text{Pr})\text{U}]$ Including the Isolation of a Uranium Complex of a Monodentate Acetate. <i>Inorganic Chemistry</i> , 2010, 49, 1743-1749.	1.9	44
79	Crystallographic Evidence of a Base-Free Uranium(IV) Terminal Oxo Species. <i>Inorganic Chemistry</i> , 2010, 49, 7620-7622.	1.9	72
80	Insertion Reactivity of CO_2 , PhNCO , $\text{Me}_3\text{CC}=\text{N}$, and $\text{Me}_3\text{CN}=\text{C}$ with the Uranium-Alkynyl Bonds in $(\text{C}_5\text{Me}_5)_2\text{U}(\text{C}(\text{CPh})_2)$. <i>Organometallics</i> , 2010, 29, 945-950.	1.1	60
81	Importance of Energy Level Matching for Bonding in Th^{3+} - Am^{3+} Actinide Metallocene Amidinates, $(\text{C}_5\text{Me}_5)_2[\text{PrNC}(\text{Me})\text{N}(\text{Pr})\text{An}]$. <i>Inorganic Chemistry</i> , 2010, 49, 10007-10012.	1.9	107
82	Synthesis of a Thorium Tuckeyn Complex, $[(\text{I}^5\text{-}f^1)\text{C}_5\text{Me}_4\text{CH}_2](\text{I}^5\text{-}f^1)\text{C}_5\text{Me}_5$ by $\text{C}\ddot{\text{I}}\text{H}$ Bond Activation Initiated by $(\text{C}_5\text{Me}_5)_2\text{U}^{\text{IV}}$. <i>Chemistry - A European Journal</i> , 2009, 15, 12204-12207.	1.7	35
83	Displacement, reduction, and ligand redistribution reactivity of the cationic mono- $\text{C}_5\text{Me}_5 \text{Ln}^{2+}$ complexes $(\text{C}_5\text{Me}_5)\text{Ln}(\text{BPh}_4)$ ($\text{Ln}=\text{Sm}, \text{Yb}$). <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1238-1243.	0.8	21
84	Trigonal-Planar versus Pyramidal Geometries in the Tris(ring) Heteroleptic Divalent Lanthanide Complexes $(\text{C}_5\text{Me}_5)\text{Ln}(\text{I}^4\text{-}f^6)(\text{I}^1\text{-}f^1)\text{-Ph})_2\text{BPh}_2$: Crystallographic and Density Functional Theory Analysis. <i>Organometallics</i> , 2009, 28, 6073-6078.	1.1	14
85	Aryloxide anions can form outer sphere complexes with metals as electropositive as uranium. <i>Chemical Communications</i> , 2009, , 7342.	2.2	10
86	Insertion of Carbodiimides and Organic Azides into Actinide-Carbon Bonds. <i>Organometallics</i> , 2009, 28, 3350-3357.	1.1	96
87	Synthesis of $(\text{C}_5\text{Me}_5)_2(\text{C}_5\text{Me}_4\text{H})\text{U}^{\text{Me}}$, $(\text{C}_5\text{Me}_5)_2(\text{C}_5\text{H}_5)\text{U}^{\text{Me}}$, and $(\text{C}_5\text{Me}_5)_2\text{U}^{\text{Me}}[\text{CH}(\text{SiMe}_3)_2]$ from Cationic Metallocenes for the Evaluation of Sterically Induced Reduction. <i>Inorganic Chemistry</i> , 2008, 47, 10169-10176.	1.9	26