

# Justin R Walensky

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7286505/publications.pdf>

Version: 2024-02-01

87  
papers

2,432  
citations

185998

28  
h-index

233125

45  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1754  
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing redox activity for the formation of uranium tris(imido) compounds. <i>Nature Chemistry</i> , 2014, 6, 919-926.	6.6	145
2	Tetrarhena-heterocycle from the Palladium-Catalyzed Dimerization of $\text{Re}(\text{CO})_8(\text{SbPh}_2)(\text{H})$ Exhibits an Unusual Host-Guest Behavior. <i>Journal of the American Chemical Society</i> , 2011, 133, 12994-12997.	6.6	144
3	Importance of Energy Level Matching for Bonding in $\text{Th}^3\text{-Am}^3$ Actinide Metallocene Amidinates, $(\text{C}_5\text{Me}_5)_2[\text{PrNC}(\text{Me})\text{NPr}]$ . <i>Inorganic Chemistry</i> , 2010, 49, 10007-10012.	1.9	107
4	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
5	Insertion of Carbodiimides and Organic Azides into Actinide-Carbon Bonds. <i>Organometallics</i> , 2009, 28, 3350-3357.	1.1	96
6	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
7	Crystallographic Evidence of a Base-Free Uranium(IV) Terminal Oxo Species. <i>Inorganic Chemistry</i> , 2010, 49, 7620-7622.	1.9	72
8	Synthesis, Spectroscopy, and Electrochemistry of $(\text{L}_2\text{-Diimine})\text{M}(\text{CO})_3\text{Br}$ , M = Mn, Re, Complexes: Ligands Isoelectronic to Bipyridyl Show Differences in $\text{CO}_2$ Reduction. <i>Organometallics</i> , 2015, 34, 3-12.	1.1	72
9	Formation of a Bridging Phosphinidene Thorium Complex. <i>Journal of the American Chemical Society</i> , 2015, 137, 14846-14849.	6.6	62
10	Actinide Metallocene Hydride Chemistry: $\text{C-H}$ Activation in Tetramethylcyclopentadienyl Ligands to Form $[\text{L}_5\text{-C}_5\text{Me}_3\text{H}(\text{CH}_2)_2\text{-C}]^2+$ Tuck-over Ligands in a Tetrathorium Octahydride Complex. <i>Organometallics</i> , 2013, 32, 6522-6531.	1.1	61
11	Insertion Reactivity of $\text{CO}_2$ , $\text{PhNCO}$ , $\text{Me}_3\text{CCN}$ , and $\text{Me}_3\text{CN}^+\text{C}$ with the Uranium-Alkynyl Bonds in $(\text{C}_5\text{Me}_5)_2\text{U}(\text{CPh})_2$ . <i>Organometallics</i> , 2010, 29, 945-950.	1.1	60
12	Multinuclear Copper(I) and Silver(I) Amidinate Complexes: Synthesis, Luminescence, and $\text{CS}_2$ Insertion Reactivity. <i>Inorganic Chemistry</i> , 2014, 53, 11357-11366.	1.9	52
13	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
14	Silylene Interplay in Cationic PSiP Pincer Complexes of Platinum. <i>Organometallics</i> , 2015, 34, 3930-3933.	1.1	46
15	Reaction Chemistry of the $\text{U}^3$ Metallocene Amidinate $(\text{C}_5\text{Me}_5)_2[\text{PrNC}(\text{Me})\text{NPr}]$ U Including the Isolation of a Uranium Complex of a Monodentate Acetate. <i>Inorganic Chemistry</i> , 2010, 49, 1743-1749.	1.9	44
16	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
17	In Pursuit of Homoleptic Actinide Alkyl Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 3556-3564.	1.9	42
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Insertion of tBuNC into thorium- $\mu$ -phosphorus and thorium- $\mu$ -arsenic bonds: phosphazaallene and arsaazaallene moieties in f element chemistry. <i>Dalton Transactions</i> , 2016, 45, 10042-10049.	1.6	38
21	Metal- $\mu$ -Ligand Multiple Bonding in Thorium Phosphorus and Thorium Arsenic Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 16748-16752.	1.7	36
22	Synthesis of a Thorium Tuck- $\mu$ Complex, $[(\text{f}^{\text{IV}}\text{Me}_4\text{CH}_2)(\text{f}^{\text{IV}}\text{C}_5\text{Me}_5)_2\text{Me}_5]^{+}$ by C-H Bond Activation Initiated by $(\text{C}_5\text{Me}_5)_2\text{Me}_5^{+}$ . <i>Chemistry - A European Journal</i> , 2009, 15, 12204-12207.	1.7	35
23	Bringing Redox Reactivity to a Redox Inactive Metal Center - $\mu$ -E (E = C, Si) Bond Cleavage with a Thorium Bis( $\mu$ -diimine) Complex. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4050-4055.	1.0	35
24	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
25	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
26	Oxidation and Hydration of $\text{U}_3\text{O}_8$ Materials Following Controlled Exposure to Temperature and Humidity. <i>Analytical Chemistry</i> , 2015, 87, 4210-4217.	3.2	33
27	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
28	Stabilization of $\text{M}^{\text{IV}} = \text{Ti, Zr, Hf, Ce, and Th}$ using a selenium bis(phenolate) ligand. <i>Dalton Transactions</i> , 2015, 44, 2693-2702.	1.6	30
29	Formation of Methane versus Benzene in the Reactions of $(\text{C}_5\text{Me}_5)_2\text{Th}(\text{CH}_3)_2$ with $[\text{CH}_3\text{PPh}_3]\text{X}$ (X=Cl, Br, I) Yielding Thorium- $\mu$ -Carbene or Thorium- $\mu$ -Ylide Complexes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12925-12929.	7.2	30
30	Four-electron reduction chemistry using a uranium( $\mu$ ) phosphido complex. <i>Dalton Transactions</i> , 2018, 47, 8189-8192.	1.6	30
31	Trivalent Uranium Phenylchalcogenide Complexes: Exploring the Bonding and Reactivity with $\text{CS}_2$ in the $\text{Tp}^*\text{UEPh}$ Series (E = O, S, Se, Te). <i>Inorganic Chemistry</i> , 2014, 53, 12977-12985.	1.9	29
32	Phosphorano-Stabilized Carbene Complexes with Short Thorium(IV)- $\mu$ and Uranium(IV)- $\mu$ Carbon Bonds. <i>Organometallics</i> , 2018, 37, 1884-1891.	1.1	29
33	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
34	Computational Insights into Uranium Complexes Supported by Redox-Active $\mu$ -Diimine Ligands. <i>Inorganic Chemistry</i> , 2012, 51, 2058-2064.	1.9	25
35	Functionalization of Carbon Monoxide and <i>tert</i> -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
36	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

#	ARTICLE	IF	CITATIONS
37	Coordination Chemistry and QTAIM Analysis of Homoleptic Dithiocarbamate Complexes, $M(S_2CN)_4$ ( $M = Ti, Zr, Hf, Th, U, Np$ ). <i>Inorganic Chemistry</i> , 2018, 57, 10518-10524.	1.9	24
38	Displacement, reduction, and ligand redistribution reactivity of the cationic mono- $C_5Me_5 Ln^{2+}$ complexes ( $C_5Me_5Ln(BPh_4)$ ( $Ln=Sm, Yb$ ). <i>Journal of Organometallic Chemistry</i> , 2009, 694, 1238-1243.	0.8	21
39	Reactivity of Organothorium Complexes with TEMPO. <i>Inorganic Chemistry</i> , 2014, 53, 8455-8463.	1.9	21
40	Copper(I) clusters with bulky dithiocarboxylate, thiolate, and selenolate ligands. <i>Dalton Transactions</i> , 2016, 45, 14265-14276.	1.6	21
41	Morphology of $U_3O_8$ 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
42	In situ redox reactions facilitate the assembly of a mixed-valence metal-organic nanocapsule. <i>Nature Communications</i> , 2018, 9, 2119.	5.8	19
43	Comparative Insertion Reactivity of $CO$ , $CO_2$ , $tBuCN$ , and $tBuNC$ into Thorium and Uranium Phosphorus Bonds. <i>Organometallics</i> , 2020, 39, 2152-2161.	1.1	19
44	Extraction of Water and Speciation of Trivalent Lanthanides and Americium in Organophosphorus Extractants. <i>Inorganic Chemistry</i> , 2016, 55, 12675-12685.	1.9	18
45	Thorium(IV) and Uranium(IV) Phosphazanes. <i>Inorganics</i> , 2019, 7, 105.	1.2	18
46	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
47	Divergent uranium- versus phosphorus-based reduction of $Me_3SiN_3$ with steric modification of phosphido ligands. <i>Chemical Science</i> , 2020, 11, 5830-5835.	3.7	17
48	Uranium(III) and thorium(IV) alkyl complexes as potential starting materials. <i>Chemical Communications</i> , 2016, 52, 14373-14375.	2.2	16
49	Hydration of $U_3O_8$ following storage under controlled conditions of temperature and relative humidity. <i>Dalton Transactions</i> , 2020, 49, 10452-10462.	1.6	16
50	Understanding Pd-Pd Bond Length Variation in (PNP) $Pd_2$ (PNP) Dimers. <i>Inorganic Chemistry</i> , 2013, 52, 2317-2322.	1.9	15
51	Organometallic Uranyl Complexes Featuring a Carbodicarbene Ligand. <i>Organometallics</i> , 2020, 39, 783-787.	1.1	15
52	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
53	Trigonal-Planar versus Pyramidal Geometries in the Tris(ring) Heteroleptic Divalent Lanthanide Complexes $(C_5Me_5)_2Ln(\eta^4-\eta^6-Cp^*)(\eta^1-Ph)_2$ : Crystallographic and Density Functional Theory Analysis. <i>Organometallics</i> , 2009, 28, 6073-6078.	1.1	14
54	Synthesis of Thorium(IV) and Uranium(IV) Salicylaldehyde Pseudo-Halide Complexes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 2996-3005.	1.0	14

#	ARTICLE	IF	CITATIONS
55	Synthesis and Utility of Neptunium(III) Hydrocarbyl Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14891-14895.	7.2	14
56	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
57	Di- and Trinuclear Mixed-Valence Copper Amidinate Complexes from Reduction of Iodine. <i>Inorganic Chemistry</i> , 2015, 54, 8509-8517.	1.9	13
58	Double insertion of benzophenone into thorium-phosphorus bonds. <i>Journal of Organometallic Chemistry</i> , 2018, 857, 159-163.	0.8	13
59	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
60	Synthesis, spectroscopy, electrochemistry, and coordination chemistry of substituted phosphine sulfides and selenides. <i>Polyhedron</i> , 2015, 100, 333-343.	1.0	12
61	Structure and properties of $[(4,6\text{-}t\text{-Bu}_2\text{C}_6\text{H}_2\text{O})_2\text{Se}]_2\text{An}(\text{THF})_2$ , An = U, Np, and their reaction with <i>p</i> -benzoquinone. <i>Chemical Communications</i> , 2018, 54, 10435-10438.	2.2	12
62	Two-Electron Reduction of a U(VI) Complex with $\text{Al}(\text{C}_5\text{Me}_5)_3$ . <i>Inorganic Chemistry</i> , 2020, 59, 16137-16142.	1.9	12
63	Formation of an $\pm$ -Diimine from Isocyanide Coupling Using Thorium(IV) and Uranium(IV) Phosphido-Methyl Complexes. <i>Organometallics</i> , 2019, 38, 1733-1740.	1.1	11
64	Aryloxide anions can form outer sphere complexes with metals as electropositive as uranium. <i>Chemical Communications</i> , 2009, , 7342.	2.2	10
65	Synthesis and fluorescence spectroscopy of tris(pyrenyl)pnictogen compounds. <i>Dalton Transactions</i> , 2017, 46, 10867-10875.	1.6	10
66	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
67	Isolation of a $[\text{Fe}(\text{CO})_4]^{2+}$ -Bridged Diuranium Complex Obtained via Reduction of $\text{Fe}(\text{CO})_5$ with Uranium(III). <i>Organometallics</i> , 2021, 40, 1411-1415.	1.1	9
68	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
69	Reactivity of Mononuclear and Dinuclear Gold(I) Amidinate Complexes with $\text{CS}_2$ and $\text{CsBr}_3$ . <i>Inorganics</i> , 2014, 2, 540-551.	1.2	7
70	Host-Guest Behavior of a Heavy-Atom Heterocycle $\text{Re}_4(\text{CO})_{16}(\text{SbPh}_2)_2(\text{H})_2$ Obtained from a Palladium-Assisted Ring Opening Dimerization of $\text{Re}_2(\text{CO})_8(\text{SbPh}_2)(\text{H})$ . <i>Inorganic Chemistry</i> , 2015, 54, 3536-3544.	1.9	6
71	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
72	Backbonding in Thorium(IV) and Uranium(IV) Diarsenido Complexes with <i>t</i> -BuNC and CO. <i>Chemistry - A European Journal</i> , 2021, 27, 14396-14400.	1.7	6

#	ARTICLE	IF	CITATIONS
73	Formation of Methane versus Benzene in the Reactions of (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Th(CH <sub>3</sub> ) <sub>2</sub> with [CH <sub>3</sub> PPh <sub>3</sub> ]X (X=Cl, Br, I) Yielding Thorium-η <sup>6</sup> -Carbene or Thorium-η <sup>5</sup> -ylide Complexes. <i>Angewandte Chemie</i> , 2017, 129, 13105-13109.	1.6	5
74	Deep eutectic solvents comprising creatine and citric acid and their hydrated mixtures. <i>Chemical Communications</i> , 2022, 58, 2838-2841.	2.2	5
75	Structure and spectroscopy of uranyl and thorium complexes with substituted phosphine oxide ligands. <i>Radiochimica Acta</i> , 2015, 103, 49-56.	0.5	4
76	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
77	Formation and Reactivity with t <sup>+</sup> BuCN of a Thorium Phosphinidide through a Combined Experimental and Computational Analysis. <i>Organometallics</i> , 2021, 40, 2701-2708.	1.1	4
78	Reduction of CO <sub>2</sub> and CS <sub>2</sub> with Uranium(III) Metallocene Aryloxides. <i>Organometallics</i> , 2022, 41, 1579-1585.	1.1	4
79	Functionalization of Carbon Monoxide and tert-Butyl Nitrile by Intramolecular Proton Transfer in a Bis(Phosphido) Thorium Complex. <i>Angewandte Chemie</i> , 2018, 130, 16990-16995.	1.6	3
80	Cyclopentadienyl and phospholyl compounds in organometallic actinide chemistry. , 2021, , .		3
81	Even and odd: uranium(IV) complexes with two, four, and six salicylaldiminate ligands with an unusual η <sup>1</sup> -coordination mode. <i>Journal of Coordination Chemistry</i> , 2015, 68, 3718-3726.	0.8	2
82	Structural, Spectroscopic, and Computational Analysis of Heterometallic Thorium Phosphinidide Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 14932-14943.	1.9	2
83	Crystal structures of metallocene complexes with uranium-germanium bonds. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 1258-1262.	0.2	2
84	Synthesis and Utility of Neptunium(III) Hydrocarbyl Complex. <i>Angewandte Chemie</i> , 2019, 131, 15033-15037.	1.6	1
85	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
86	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
87	Crystal structure of [Th <sub>3</sub> (Cp*) <sub>3</sub> (O)(OH) <sub>3</sub> ] <sub>2</sub> Cl <sub>2</sub> (N <sub>3</sub> ) <sub>6</sub> ; 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