Justin R Walensky

List of Publications by Year
in descending order

87	2,432	186265	233421
papers	citations	28 h-index	45 g-index

90	90	90	1754
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep eutectic solvents comprising creatine and citric acid and their hydrated mixtures. Chemical Communications, 2022, 58, 2838-2841.	4.1	5
2	Reduction of CO₂ and CS₂ with Uranium(III) Metallocene Aryloxides. Organometallics, 2022, 41, 1579-1585.	2.3	4
3	Structure of copper(I) and silver(I) complexes with zwitterionic ligands derived from N-Heterocyclic Carbenes. Inorganica Chimica Acta, 2021, 514, 120033.	2.4	6
4	Cyclopentadienyl and phospholyl compounds in organometallic actinide chemistry. , 2021, , .		3
5	Isolation of a [Fe(CO)₄]^{2â€“}-Bridged Diuranium Complex Obtained via Reduction of Fe(CO)₅ with Uranium(III). Organometallics, 2021, 40, 1411-1415.	2.3	9
6	Systematic Investigation of the Molecular and Electronic Structure of Thorium and Uranium Phosphorus and Arsenic Complexes. Inorganic Chemistry, 2021, 60, 10614-10630.	4.0	15
7	Formation and Reactivity with ^tBuCN of a Thorium Phosphinidiide through a Combined Experimental and Computational Analysis. Organometallics, 2021, 40, 2701-2708.	2.3	4
8	Structural, Spectroscopic, and Computational Analysis of Heterometallic Thorium Phosphinidiide Complexes. Inorganic Chemistry, 2021, 60, 14932-14943.	4.0	2
9	Backbonding in Thorium(IV) and Uranium(IV) Diarsenido Complexes with t BuNC and CO. Chemistry - A European Journal, 2021, 27, 14396-14400.	3.3	6
10	Crystal structure of [Th₃(Cp*)₃(O)(OH)₃]₂Cl₂(N₃)₆; a discrete molecular capsule built from multinuclear organothorium cluster cations. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 971-974.	0.5	0
11	Crystal structures of metallocene complexes with uraniumâ€“germanium bonds. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 1258-1262.	0.5	2
12	Hydration of Î±-UO₃following storage under controlled conditions of temperature and relative humidity. Dalton Transactions, 2020, 49, 10452-10462.	3.3	16
13	Two-Electron Reduction of a U(VI) Complex with Al(C₅Me₅). Inorganic Chemistry, 2020, 59, 16137-16142.	4.0	12
14	Comparative Insertion Reactivity of CO, CO2, tBuCN, and tBuNC into Thoriumâ€“ and Uraniumâ€“Phosphorus Bonds. Organometallics, 2020, 39, 2152-2161.	2.3	19
15	Divergent uranium- versus phosphorus-based reduction of Me₃SiN₃ with steric modification of phosphido ligands. Chemical Science, 2020, 11, 5830-5835.	7.4	17
16	Organometallic Uranyl Complexes Featuring a Carbodicarbene Ligand. Organometallics, 2020, 39, 783-787.	2.3	15
17	Synthesis and Utility of Neptunium(III) Hydrocarbyl Complex. Angewandte Chemie - International Edition, 2019, 58, 14891-14895.	13.8	14
18	Time of flight mass spectrometry with direct extraction of a uranium plasma. International Journal of Mass Spectrometry, 2019, 445, 116190.	1.5	0

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19	Synthesis and Utility of Neptunium(III) Hydrocarbyl Complex. Angewandte Chemie, 2019, 131, 15033-15037.	2.0	1
20	Thorium(IV) and Uranium(IV) Phosphaazaallenes. Inorganics, 2019, 7, 105.	2.7	18
21	Formation of an Î±-Diimine from Isocyanide Coupling Using Thorium(IV) and Uranium(IV) Phosphidoâ€“Methyl Complexes. Organometallics, 2019, 38, 1733-1740.	2.3	11
22	Investigation of the Electronic Structure of Aryl-Bridged Dinuclear U(III) and U(IV) Compounds. Organometallics, 2019, 38, 1031-1040.	2.3	14
23	Double insertion of benzophenone into thorium-phosphorus bonds. Journal of Organometallic Chemistry, 2018, 857, 159-163.	1.8	13
24	Site-Specific Metal Chelation Facilitates the Unveiling of Hidden Coordination Sites in an Fe^{II}/Fe^{III}-Seamed Pyrogallol[4]arene Nanocapsule. Journal of the American Chemical Society, 2018, 140, 15611-15615.	13.7	17
25	Functionalization of Carbon Monoxide and tert â€Butyl Nitrile by Intramolecular Proton Transfer in a Bis(Phosphido) Thorium Complex. Angewandte Chemie, 2018, 130, 16990-16995.	2.0	3
26	Functionalization of Carbon Monoxide and tertâ€Butyl Nitrile by Intramolecular Proton Transfer in a Bis(Phosphido) Thorium Complex. Angewandte Chemie - International Edition, 2018, 57, 16748-16753.	13.8	25
27	Oxidation State Distributions Provide Insight into Parameters Directing the Assembly of Metalâ€“Organic Nanocapsules. Journal of the American Chemical Society, 2018, 140, 13022-13027.	13.7	10
28	Structure and properties of [(4,6-^tBu₂C₆H₂O)₂Se]₂An(THF)₂, An = U, Np, and their reaction with p-benzoquinone. Chemical Communications, 2018, 54, 10435-10438.	4.1	12
29	In situ redox reactions facilitate the assembly of a mixed-valence metal-organic nanocapsule. Nature Communications, 2018, 9, 2119.	12.8	19
30	Influence of Substituents on the Electronic Structure of Mono- and Bis(phosphido) Thorium(IV) Complexes. Inorganic Chemistry, 2018, 57, 7270-7278.	4.0	13
31	Coordination Chemistry and QTAIM Analysis of Homoleptic Dithiocarbamate Complexes, M(S₂CNⁱPr₂)₄ (M = Ti, Zr, Hf, Th, U, Np). Inorganic Chemistry, 2018, 57, 10518-10524.	4.0	24
32	Four-electron reduction chemistry using a uranium(<scp>iii</scp>) phosphido complex. Dalton Transactions, 2018, 47, 8189-8192.	3.3	30
33	Phosphorano-Stabilized Carbene Complexes with Short Thorium(IV)â€“ and Uranium(IV)â€“Carbon Bonds. Organometallics, 2018, 37, 1884-1891.	2.3	29
34	Morphology of U3O8 materials following storage under controlled conditions of temperature and relative humidity. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 35-42.	1.5	20
35	Metalâ€“Ligand Multiple Bonding in Thorium Phosphorus and Thorium Arsenic Complexes. Chemistry - A European Journal, 2017, 23, 16748-16752.	3.3	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]X (X=Cl, Br, I) Yielding Thoriumâ€Carbene or Thoriumâ€Ylide Complexes. Angewandte Chemie, 2017, 129, 13105-13109.	2.0	5

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37	Formation of Methane versus Benzene in the Reactions of (C₅Me₅)₂Th(CH₃)₂ with [CH₃PPh₃]X (X=Cl, Br, I) Yielding Thoriumâ€Carbene or Thoriumâ€Ylide Complexes. Angewandte Chemie - International Edition, 2017, 56, 12925-12929.	13.8	30
38	Synthesis and fluorescence spectroscopy of tris(pyrenyl)pnictogen compounds. Dalton Transactions, 2017, 46, 10867-10875.	3.3	10
39	Extraction of Water and Speciation of Trivalent Lanthanides and Americium in Organophosphorus Extractants. Inorganic Chemistry, 2016, 55, 12675-12685.	4.0	18
40	Comparison of morphologies of a uranyl peroxide precursor and calcination products. Journal of Radioanalytical and Nuclear Chemistry, 2016, 309, 827-832.	1.5	24
41	Insertion of tBuNC into thoriumâ€“phosphorus and thoriumâ€“arsenic bonds: phosphaazaallene and arsaazaallene moieties in f element chemistry. Dalton Transactions, 2016, 45, 10042-10049.	3.3	38
42	Copper(i) clusters with bulky dithiocarboxylate, thiolate, and selenolate ligands. Dalton Transactions, 2016, 45, 14265-14276.	3.3	21
43	Uranium(<scp>iii</scp>) and thorium(<scp>iv</scp>) alkyl complexes as potential starting materials. Chemical Communications, 2016, 52, 14373-14375.	4.1	16
44	Pseudo-halide uranyl salicylaldiminate complexes including the isolation of a rare uranyl azide. Journal of Coordination Chemistry, 2016, 69, 1904-1913.	2.2	4
45	A lexicon for consistent description of material images for nuclear forensics. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 1611-1619.	1.5	35
46	Synthesis of Thorium(IV) and Uranium(IV) Salicylaldiminate Pseudoâ€Halide Complexes. European Journal of Inorganic Chemistry, 2015, 2015, 2996-3005.	2.0	14
47	Structure and spectroscopy of uranyl and thorium complexes with substituted phosphine oxide ligands. Radiochimica Acta, 2015, 103, 49-56.	1.2	4
48	Even and odd: uranium(IV) complexes with two, four, and six salicylaldiminate ligands with an unusual Î¹-coordination mode. Journal of Coordination Chemistry, 2015, 68, 3718-3726.	2.2	2
49	Dithio- and Diselenophosphinate Thorium(IV) and Uranium(IV) Complexes: Molecular and Electronic Structures, Spectroscopy, and Transmetalation Reactivity. Inorganic Chemistry, 2015, 54, 11625-11636.	4.0	35
50	Formation of a Bridging Phosphinidene Thorium Complex. Journal of the American Chemical Society, 2015, 137, 14846-14849.	13.7	62
51	Stabilization of M^{IV} = Ti, Zr, Hf, Ce, and Th using a selenium bis(phenolate) ligand. Dalton Transactions, 2015, 44, 2693-2702.	3.3	30
52	Di- and Trinuclear Mixed-Valence Copper Amidinate Complexes from Reduction of Iodine. Inorganic Chemistry, 2015, 54, 8509-8517.	4.0	13
53	Synthesis, spectroscopy, electrochemistry, and coordination chemistry of substituted phosphine sulfides and selenides. Polyhedron, 2015, 100, 333-343.	2.2	12
54	Hostâ€“Guest Behavior of a Heavy-Atom Heterocycle Re4(CO)16(Î¼-SbPh2)2(Î¼-H)2 Obtained from a Palladium-Assisted Ring Opening Dimerization of Re2(CO)8(Î¼-SbPh2)(Î¼-H). Inorganic Chemistry, 2015, 54, 3536-3544.	4.0	6

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55	Oxidation and Hydration of U₃O₈ Materials Following Controlled Exposure to Temperature and Humidity. Analytical Chemistry, 2015, 87, 4210-4217.	6.5	33
56	Silylâ€“Silylene Interplay in Cationic PSiP Pincer Complexes of Platinum. Organometallics, 2015, 34, 3930-3933.	2.3	46
57	Synthesis, Spectroscopy, and Electrochemistry of (Î±-Diimine)M(CO)₃Br, M = Mn, Re, Complexes: Ligands Isoelectronic to Bipyridyl Show Differences in CO₂ Reduction. Organometallics, 2015, 34, 3-12.	2.3	72
58	Reactivity of Mononuclear and Dinuclear Gold(I) Amidinate Complexes with CS2 and CsBr3. Inorganics, 2014, 2, 540-551.	2.7	7
59	Trivalent Uranium Phenylchalcogenide Complexes: Exploring the Bonding and Reactivity with CS₂ in the Tp*₂UEPh Series (E = O, S, Se, Te). Inorganic Chemistry, 2014, 53, 12977-12985.	4.0	29
60	Reactivity of Organothorium Complexes with TEMPO. Inorganic Chemistry, 2014, 53, 8455-8463.	4.0	21
61	Harnessing redox activity for the formation of uranium tris(imido) compounds. Nature Chemistry, 2014, 6, 919-926.	13.6	145
62	Multinuclear Copper(I) and Silver(I) Amidinate Complexes: Synthesis, Luminescence, and CS₂ Insertion Reactivity. Inorganic Chemistry, 2014, 53, 11357-11366.	4.0	52
63	Systematic Investigation of Thorium(IV)â€“ and Uranium(IV)â€“Ligand Bonding in Dithiophosphonate, Thioselenophosphinate, and Diselenophosphonate Complexes. Inorganic Chemistry, 2013, 52, 10623-10631.	4.0	49
64	Actinide Metallocene Hydride Chemistry: Câ€“H Activation in Tetramethylcyclopentadienyl Ligands to Form [Î¼-Î·⁵-C₅Me₃H(CH₂)-ÎºC]^{2â€“} Tuck-over Ligands in a Tetrathorium Octahydride Complex. Organometallics, 2013, 32, 6522-6531.	2.3	61
65	Understanding Pdâ€“Pd Bond Length Variation in (PNP)Pdâ€“Pd(PNP) Dimers. Inorganic Chemistry, 2013, 52, 2317-2322.	4.0	15
66	Molecular structure and spectroscopy of divalent first row transition metals, Mnâ€“Zn, with salicylaldiminate ligands. Polyhedron, 2013, 54, 300-308.	2.2	7
67	Monomeric Rhodium(II) Complexes Supported by a Diarylamido/Bis(phosphine) PNP Pincer Ligand and Their Reactivity Toward Dihydrogen. Organometallics, 2013, 32, 2050-2058.	2.3	32
68	In Pursuit of Homoleptic Actinide Alkyl Complexes. Inorganic Chemistry, 2013, 52, 3556-3564.	4.0	42
69	Bringing Redox Reactivity to a Redox Inactive Metal Center â€“ Eâ€“I (E = C, Si) Bond Cleavage with a Thorium Bis(Î±â€diimine) Complex. European Journal of Inorganic Chemistry, 2013, 2013, 4050-4055.	2.0	35
70	Synthesis of Terminal Uranium(IV) Disulfido and Diselenido Compounds by Activation of Elemental Sulfur and Selenium. Chemistry - A European Journal, 2013, 19, 16176-16180.	3.3	40
71	Computational Insights into Uranium Complexes Supported by Redox-Active Î±-Diimine Ligands. Inorganic Chemistry, 2012, 51, 2058-2064.	4.0	25
72	John P. Fackler, Jr.: A Half-Century as a Leader of Inorganic Chemistry. Comments on Inorganic Chemistry, 2012, 33, 87-87.	5.2	0

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73	Tetrarhena-heterocycle from the Palladium-Catalyzed Dimerization of Re₂(CO)₈(Î¼-SbPh₂)(Î¼-H) Exhibits an Unusual Hostâ€“Guest Behavior. Journal of the American Chemical Society, 2011, 133, 12994-12997.	13.7	144
74	Synthesis of a Phosphorano-Stabilized U(IV)-Carbene via One-Electron Oxidation of a U(III)-Ylide Adduct. Journal of the American Chemical Society, 2011, 133, 6894-6897.	13.7	100
75	High-Valent Uranium Alkyls: Evidence for the Formation of U^{VI}(CH₂SiMe₃)₆. Journal of the American Chemical Society, 2011, 133, 11732-11743.	13.7	87
76	Reactivity of Methyl Groups in Actinide Metallocene Amidinate and Triazenido Complexes with Silver and Copper Salts. Organometallics, 2010, 29, 101-107.	2.3	43
77	DFT and CASPT2 Analysis of Polymetallic Uranium Nitride and Oxide Complexes: How Theory Can Help When X-Ray Analysis Is Inadequate. Journal of the American Chemical Society, 2010, 132, 12397-12403.	13.7	39
78	Reaction Chemistry of the U³⁺ Metallocene Amidinate (C₅Me₅)₂[ⁱPrNC(Me)NⁱPr]U Including the Isolation of a Uranium Complex of a Monodentate Acetate. Inorganic Chemistry, 2010, 49, 1743-1749.	4.0	44
79	Crystallographic Evidence of a Base-Free Uranium(IV) Terminal Oxo Species. Inorganic Chemistry, 2010, 49, 7620-7622.	4.0	72
80	Insertion Reactivity of CO₂, PhNCO, Me₃CCâ‰¡N, and Me₃CNâ‰¡C with the Uraniumâ€“Alkynyl Bonds in (C₅Me₅)₂U(Câ‰¡CPh)₂. Organometallics, 2010, 29, 945-950.	2.3	60
81	Importance of Energy Level Matching for Bonding in Th³⁺-Am³⁺ Actinide Metallocene Amidinates, (C₅Me₅)₂[ⁱPrNC(Me)NⁱPr]An. Inorganic Chemistry, 2010, 49, 10007-10012.	4.0	107
82	Synthesis of a Thorium Tuckâ€in Complex, [(Î·⁵:Î·¹â€C₅Me₄CH₂)(Î·⁵â€C₅Me₅ by Cï£¿H Bond Activation Initiated by (C₅Me₅)^{â€}. Chemistry - A European Journal, 2009, 15, 12204-12207.	3.3	35
83	Displacement, reduction, and ligand redistribution reactivity of the cationic mono-C5Me5 Ln2+ complexes (C5Me5)Ln(BPh4) (Ln=Sm, Yb). Journal of Organometallic Chemistry, 2009, 694, 1238-1243.	1.8	21
84	Trigonal-Planar versus Pyramidal Geometries in the Tris(ring) Heteroleptic Divalent Lanthanide Complexes (C₅Me₅)Ln(Î¼-Î·⁶:Î·¹-Ph)₂BPh₂: Crystallographic and Density Functional Theory Analysis. Organometallics, 2009, 28, 6073-6078.	2.3	14
85	Aryloxide anions can form outer sphere complexes with metals as electropositive as uranium. Chemical Communications, 2009, , 7342.	4.1	10
86	Insertion of Carbodiimides and Organic Azides into Actinideâ€Carbon Bonds. Organometallics, 2009, 28, 3350-3357.	2.3	96
87	Synthesis of (C5Me5)2(C5Me4H)UMe, (C5Me5)2(C5H5)UMe, and (C5Me5)2UMe[CH(SiMe3)2] from Cationic Metallocenes for the Evaluation of Sterically Induced Reduction. Inorganic Chemistry, 2008, 47, 10169-10176.	4.0	26