

David E Morris

List of Publications by Year in descending order

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69
papers

4,827
citations

61984

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h-index

91884

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72
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72
docs citations

72
times ranked

2866
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical Speciation of the Uranyl Ion under Highly Alkaline Conditions. Synthesis, Structures, and Oxo Ligand Exchange Dynamics. <i>Inorganic Chemistry</i> , 1999, 38, 1456-1466.	4.0	280
2	Uranyl Incorporation into Calcite and Aragonite: XAFS and Luminescence Studies. <i>Environmental Science & Technology</i> , 2000, 34, 638-644.	10.0	248
3	Uranium azide photolysis results in C-H bond activation and provides evidence for a terminal uranium nitride. <i>Nature Chemistry</i> , 2010, 2, 723-729.	13.6	202
4	Organometallic Uranium(V) Imido Halide Complexes: From Synthesis to Electronic Structure and Bonding. <i>Journal of the American Chemical Society</i> , 2008, 130, 5272-5285.	13.7	182
5	Coprecipitation of Uranium(VI) with Calcite: XAFS, micro-XAS, and luminescence characterization. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 3491-3503.	3.9	180
6	Speciation of uranyl sorbed at multiple binding sites on montmorillonite. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3625-3631.	3.9	176
7	Thorium(IV) and Uranium(IV) Ketimide Complexes Prepared by Nitrile Insertion into Actinide Alkyl and Aryl Bonds. <i>Organometallics</i> , 2004, 23, 4682-4692.	2.3	156
8	Uranium(VI) Sorption Complexes on Montmorillonite as a Function of Solution Chemistry. <i>Journal of Colloid and Interface Science</i> , 2001, 233, 38-49.	9.4	148
9	Trends in Electronic Structure and Redox Energetics for Early-Actinide Pentamethylcyclopentadienyl Complexes. <i>Organometallics</i> , 2004, 23, 5142-5153.	2.3	138
10	Evidence for the Involvement of 5f Orbitals in the Bonding and Reactivity of Organometallic Actinide Compounds: Thorium(IV) and Uranium(IV) Bis(hydrazonato) Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 17537-17551.	13.7	118
11	Speciation of Uranium in Fernald Soils by Molecular Spectroscopic Methods: Characterization of Untreated Soils. <i>Environmental Science & Technology</i> , 1996, 30, 2322-2331.	10.0	115
12	Synthesis and Structural Characterization of the First Uranium Cluster Containing an Isopolyoxometalate Core. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3357-3361.	13.8	113
13	Convenient Synthesis, Structure, and Reactivity of (C ₅ Me ₅)U(CH ₂ C ₆ H ₅) ₃ : A Simple Strategy for the Preparation of Monopentamethylcyclopentadienyl Uranium(IV) Complexes. <i>Organometallics</i> , 2002, 21, 5978-5982.	2.3	107
14	Probing the Chemistry, Electronic Structure and Redox Energetics in Organometallic Pentavalent Uranium Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 11879-11891.	4.0	105
15	Spectroscopic investigation of U(VI) sorption at the calcite-water interface. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2437-2448.	3.9	102
16	Optical spectroscopic studies of the sorption of UO ₂ +2 species on a reference smectite. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3613-3623.	3.9	101
17	Facile Access to Pentavalent Uranium Organometallics: One-Electron Oxidation of Uranium(IV) Imido Complexes with Copper(I) Salts. <i>Journal of the American Chemical Society</i> , 2007, 129, 11914-11915.	13.7	100
18	Systematic Studies of Early Actinide Complexes: Uranium(IV) Fluoroketimides. <i>Inorganic Chemistry</i> , 2007, 46, 7477-7488.	4.0	95

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19	The First f-Element Ketimido Complex: Synthesis and Characterization of (C ₅ Me ₅) ₂ U(η ⁵ -NCPH ₂) ₂ . <i>Organometallics</i> , 2002, 21, 3073-3075.	2.3	88
20	Basicity of Uranyl Oxo Ligands upon Coordination of Alkoxides. <i>Inorganic Chemistry</i> , 2000, 39, 5277-5285.	4.0	87
21	Reaction of the Uranyl(VI) Ion (UO ₂ ²⁺) with a Triamidoamine Ligand: Preparation and Structural Characterization of a Mixed-Valent Uranium(V/VI) Oxo-imido Dimer. <i>Inorganic Chemistry</i> , 2001, 40, 5491-5496.	4.0	87
22	Structural Characterization of U(VI) in Apatite by X-ray Absorption Spectroscopy. <i>Environmental Science & Technology</i> , 2002, 36, 3114-3117.	10.0	78
23	Redox Energetics and Kinetics of Uranyl Coordination Complexes in Aqueous Solution. <i>Inorganic Chemistry</i> , 2002, 41, 3542-3547.	4.0	75
24	Tetravalent and Pentavalent Uranium Acetylide Complexes Prepared by Oxidative Functionalization with CuC≡CPh. <i>Organometallics</i> , 2008, 27, 3335-3337.	2.3	75
25	Synthesis, structure, spectroscopy and redox energetics of a series of uranium(IV) mixed-ligand metallocene complexes. <i>Comptes Rendus Chimie</i> , 2010, 13, 790-802.	0.5	73
26	Enhancing the reactivity of uranium(vi) organoimido complexes with diazoalkanes Electronic supplementary information (ESI) available: experimental, including general procedures, materials and synthesis of complexes 2 and 3. See http://www.rsc.org/suppdata/cc/b1/b109455f/ . <i>Chemical Communications</i> , 2002, , 30-31.	4.1	72
27	Ytterbocene Charge-Transfer Molecular Wire Complexes. <i>Journal of the American Chemical Society</i> , 2006, 128, 7230-7241.	13.7	72
28	Actinide Redox-Active Ligand Complexes: Reversible Intramolecular Electron-Transfer in U(dpp-BIAN) ₂ /U(dpp-BIAN) ₂ (THF). <i>Inorganic Chemistry</i> , 2010, 49, 924-933.	4.0	62
29	4f-5f Heterotrimetallic Complexes Exhibiting Electrochemical and Magnetic Communication. <i>Journal of the American Chemical Society</i> , 2006, 128, 2198-2199.	13.7	61
30	[(C ₅ Me ₅) ₂ U(Me)(OTf)] ₂ : A New Reagent for Uranium Metallocene Chemistry. Preparation of the First Actinide Hydrazone Complexes. <i>Organometallics</i> , 2002, 21, 4306-4308.	2.3	58
31	Unique redox and spectroscopic properties of dipyrindylamine complexes of d ₆ transition metals: electrochemical behavior. <i>Inorganic Chemistry</i> , 1984, 23, 3010-3017.	4.0	57
32	Mixed Valency in a Uranium Multimetallic Complex. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2993-2996.	13.8	54
33	Spatially isolated redox orbitals: evidence from low-temperature voltammetry. <i>Journal of the American Chemical Society</i> , 1983, 105, 6522-6524.	13.7	53
34	Direct Comparison of the Magnetic and Electronic Properties of Samarocene and Ytterbocene Terpyridine Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 5841-5849.	4.0	53
35	Selenate and tellurate complexes of pentavalent uranium. <i>Chemical Communications</i> , 2009, , 776.	4.1	52
36	Molecular Spectroscopy of Uranium(IV) Bis(ketimido) Complexes. Rare Observation of Resonance-Enhanced Raman Scattering from Organoactinide Complexes and Evidence for Broken-Symmetry Excited States. <i>Journal of the American Chemical Society</i> , 2005, 127, 682-689.	13.7	51

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37	Steric Control of Substituted Phenoxide Ligands on Product Structures of Uranyl Aryloxy Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 3110-3120.	4.0	50
38	Systematic Studies of Early Actinide Complexes: Thorium(IV) Fluoroketimides. <i>Journal of the American Chemical Society</i> , 2007, 129, 5139-5152.	13.7	50
39	1,4-Dicyanobenzene as a Scaffold for the Preparation of Bimetallic Actinide Complexes Exhibiting Metal-Metal Communication. <i>Chemistry - A European Journal</i> , 2008, 14, 7782-7790.	3.3	49
40	Comparative Study of f-Element Electronic Structure across a Series of Multimetallic Actinide and Lanthanoid-Actinide Complexes Possessing Redox-Active Bridging Ligands. <i>Inorganic Chemistry</i> , 2010, 49, 1995-2007.	4.0	49
41	Actinide-Mediated Cyclization of 1,2,4,5-Tetracyanobenzene: Synthesis and Characterization of Self-Assembled Trinuclear Thorium and Uranium Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2036-2041.	13.8	48
42	Actinide-mediated coupling of 4-fluorobenzonitrile: synthesis of an eight-membered thorium(iv) tetraazametallacycle. <i>Chemical Communications</i> , 2007, , 1029.	4.1	47
43	Electrochemical and Spectroscopic Characterization of the Novel Charge-Transfer Ground State in Diimine Complexes of Ytterbocene. <i>Inorganic Chemistry</i> , 2003, 42, 5551-5559.	4.0	45
44	Tuning the Oxidation State, Nuclearity, and Chemistry of Uranium Hydrides with Phenylsilane and Temperature: The Case of the Classic Uranium(III) Hydride Complex $[(C_5Me_5)_2U(\eta^4-H)]_2$. <i>Organometallics</i> , 2016, 35, 617-620.	2.3	44
45	Actinide 2-metallabiphenylenes that satisfy Hückel's rule. <i>Nature</i> , 2020, 578, 563-567.	27.8	43
46	Site-specific incorporation of uranyl carbonate species at the calcite surface. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 4799-4808.	3.9	42
47	What a Difference a 5f Element Makes: Trivalent and Tetravalent Uranium Halide Complexes Supported by One and Two Bis[2-(diisopropylphosphino)-4-methylphenyl]amido (PNP) Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 2114-2127.	4.0	42
48	Assignment of the rhodium-rhodium stretching frequency in $Rh_2(O_2CCH_3)_4L_2$ complexes and the crystal and molecular structure of $[C(NH_2)_3]_2[Rh(O_2CCH_3)_4Cl_2]$. Relationship between vibrational spectra and structure. <i>Inorganic Chemistry</i> , 1987, 26, 2127-2132.	4.0	37
49	Toward Actinide Molecular Magnetic Materials: Coordination Polymers of U(IV) and the Organic Acceptors TCNQ and TCNE. <i>Inorganic Chemistry</i> , 2007, 46, 5528-5536.	4.0	37
50	Toward new paradigms in mixed-valency: ytterbocene-terpyridine charge-transfer complexes. <i>Chemical Communications</i> , 2003, , 2336-2337.	4.1	36
51	Synthesis and Structural Characterization of the First Uranium Cluster Containing an Isopolyoxometalate Core. <i>Angewandte Chemie</i> , 2001, 113, 3461-3465.	2.0	35
52	Synthesis, Characterization, and Density Functional Theory Analysis of Uranium and Thorium Complexes Containing Nitrogen-Rich 5-Methyltetrazolate Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 4941-4950.	4.0	32
53	Thorium(IV) and Uranium(IV) Halide Complexes Supported by Bulky β -Diketiminato Ligands. <i>Organometallics</i> , 2013, 32, 1423-1434.	2.3	30
54	Ligand Substituent Effect Observed for Ytterbocene-Cyano-2,2,6,6-tetramethyl-3-terpyridine. <i>Inorganic Chemistry</i> , 2005, 44, 5911-5920.	4.0	29

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55	Synthesis and characterization of a new and electronically unusual uranium metallacyclocumulene, (C5Me5)2U(1,2,3,4-PhC4Ph). <i>Journal of Organometallic Chemistry</i> , 2017, 829, 79-84.	1.8	27
56	Detailed aspects of Raman scattering. Overtone and combination intensities and prescriptions for determining excited-state structure. <i>The Journal of Physical Chemistry</i> , 1985, 89, 5795-5798.	2.9	23
57	Electronic and Magnetic Properties of Bimetallic Ytterbocene Complexes: The Impact of Bridging Ligand Geometry. <i>Chemistry - A European Journal</i> , 2008, 14, 422-431.	3.3	21
58	Nature of Bonding in Complexes Containing σ -Metal-Metal Bonds. Raman and Theoretical Study of $M_2(dmp)_4$ [M = Cr (Natural Abundance Cr, ⁵⁰ Cr, and ⁵² Cr)]. <i>Journal of Physical Chemistry A</i> , 2000, 104, 1839-1847.	13.7	19
59	A sulphur and uranium fiesta! Synthesis, structure, and characterization of neutral terminal uranium monosulphide, uranium disulphide, and uranium phosphine sulphide complexes. <i>Dalton Transactions</i> , 2019, 48, 50-57.	3.3	17
60	Control of Electronic and Magnetic Coupling via Bridging Ligand Geometry in a Bimetallic Ytterbocene Complex. <i>Inorganic Chemistry</i> , 2007, 46, 5013-5022.	4.0	15
61	New Twists and Turns for Actinide Chemistry: Organometallic Infinite Coordination Polymers of Thorium Diazide. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3631-3636.	13.8	15
62	Influence of Ligand Geometry in Bimetallic Ytterbocene Complexes of Bridging Bis(bipyridyl) Ligands. <i>Organometallics</i> , 2007, 26, 4234-4242.	2.3	14
63	Ultrafast Spectroscopy of the Uranium(IV) and Thorium(IV) Bis(ketimide) Complexes (C5Me5)2An[N=C(Ph)(CH2Ph)]2 (An = Th, U). <i>Journal of Physical Chemistry A</i> , 2008, 112, 7840-7847.	2.5	13
64	Synthesis, characterization, and reactivity of the first uranium metallocene 1,2-bis(diphenylphosphino)acetylene complexes. <i>Inorganica Chimica Acta</i> , 2018, 482, 347-352.	2.4	12
65	Direct Voltammetric Determination of the Equilibrium Isotope Effect in Naphthalene-h8/d8, Anthracene-h10/d10, and Benzophenone-12CO/13CO. <i>Journal of the Electrochemical Society</i> , 1991, 138, 1351-1353.	2.9	8
66	Changes in U(VI) Speciation Upon Sorption onto Montmorillonite from Aqueous and Organic Solutions. <i>Materials Research Society Symposia Proceedings</i> , 1991, 257, 315.	0.1	4
67	New Twists and Turns for Actinide Chemistry: Organometallic Infinite Coordination Polymers of Thorium Diazide. <i>Angewandte Chemie</i> , 2016, 128, 3695-3700.	2.0	2
68	Exploiting the reactivity of actinide fluoride bonds for the synthesis and characterization of a new class of monometallic bis(azide) uranium complexes. <i>Journal of Organometallic Chemistry</i> , 2018, 857, 180-186.	1.8	2
69	[OsIII(tpy)(Cl)(NCCH3)(NSAr)]: Reversible Reduction of Acetonitrile by OsIII-Sulfimido Complexes. <i>Angewandte Chemie</i> , 2002, 114, 4026-4029.	2.0	1