Eric J Schelter

List of Publications by Year
in descending order

154 papers	6,670 citations	46984 47 h-index	82499 72 g-index
163 all docs	163 docs citations	163 times ranked	4316 citing authors

#	Article	IF	Citations
1	Rare earth elements: Mendeleevâ€™s bane, modern marvels. Science, 2019, 363, 489-493.	6.0	270
2	Molecular Cube of RelIand MnIIThat Exhibits Single-Molecule Magnetism. Journal of the American Chemical Society, 2004, 126, 15004-15005.	6.6	245
3	Organometallic Uranium(V)â^'Imido Halide Complexes: From Synthesis to Electronic Structure and Bonding. Journal of the American Chemical Society, 2008, 130, 5272-5285.	6.6	182
4	Lanthanide Photocatalysis. Accounts of Chemical Research, 2018, 51, 2926-2936.	7.6	172
5	The electrochemical behavior of cerium(III/IV) complexes: Thermodynamics, kinetics and applications in synthesis. Coordination Chemistry Reviews, 2014, 260, 21-36.	9.5	169
6	A Family of Mixed-Metal Cyanide Cubes with Alternating Octahedral and Tetrahedral Corners Exhibiting a Variety of Magnetic Behaviors Including Single Molecule Magnetism. Journal of the American Chemical Society, 2007, 129, 8139-8149.	6.6	164
7	NiXantphos: A Deprotonatable Ligand for Room-Temperature Palladium-Catalyzed Cross-Couplings of Aryl Chlorides. Journal of the American Chemical Society, 2014, 136, 6276-6287.	6.6	145
8	Harnessing redox activity for the formation of uranium tris(imido) compounds. Nature Chemistry, 2014, 6, 919-926.	6.6	145
9	Photocatalytic Câ€“H activation and the subtle role of chlorine radical complexation in reactivity. Science, 2021, 372, 847-852.	6.0	144
10	Luminescent Ce(III) Complexes as Stoichiometric and Catalytic Photoreductants for Halogen Atom Abstraction Reactions. Journal of the American Chemical Society, 2015, 137, 9234-9237.	6.6	137
11	Cerium Photosensitizers: Structureâ€“Function Relationships and Applications in Photocatalytic Aryl Coupling Reactions. Journal of the American Chemical Society, 2016, 138, 5984-5993.	6.6	126
12	Evidence for the Involvement of 5f Orbitals in the Bonding and Reactivity of Organometallic Actinide Compounds: Thorium(IV) and Uranium(IV) Bis(hydrazonato) Complexes. Journal of the American Chemical Society, 2008, 130, 17537-17551.	6.6	118
13	The Hexachlorocerate(III) Anion: A Potent, Benchtop Stable, and Readily Available Ultraviolet A Photosensitizer for Aryl Chlorides. Journal of the American Chemical Society, 2016, 138, 16266-16273.	6.6	107
14	Probing the Chemistry, Electronic Structure and Redox Energetics in Organometallic Pentavalent Uranium Complexes. Inorganic Chemistry, 2008, 47, 11879-11891.	1.9	105
15	An Operationally Simple Method for Separating the Rareâ€Earth Elements Neodymium and Dysprosium. Angewandte Chemie - International Edition, 2015, 54, 8222-8225.	7.2	102
16	Synthesis, Characterization, and Multielectron Reduction Chemistry of Uranium Supported by Redox-Active Î±-Diimine Ligands. Inorganic Chemistry, 2011, 50, 9838-9848.	1.9	101
17	Systematic Studies of Early Actinide Complexes:â€‰ Uranium(IV) Fluoroketimides. Inorganic Chemistry, 2007, 46, 7477-7488.	1.9	95
18	Photoinduced Miyaura Borylation by a Rareâ€Earthâ€Metal Photoreductant: The Hexachlorocerate(III) Anion. Angewandte Chemie - International Edition, 2018, 57, 10999-11003.	7.2	91

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19	The Impact of Ligand Reorganization on Cerium(III) Oxidation Chemistry. Angewandte Chemie - International Edition, 2012, 51, 10159-10163.	7.2	80
20	Unusual Magnetic Metalâ€“Cyanide Cubes of ReII with Alternating Octahedral and Tetrahedral Corners. Angewandte Chemie - International Edition, 2004, 43, 4912-4915.	7.2	79
21	Homoleptic Cerium(III) and Cerium(IV) Nitroxide Complexes: Significant Stabilization of the 4+ Oxidation State. Inorganic Chemistry, 2013, 52, 11600-11607.	1.9	75
22	Ytterbocene Charge-Transfer Molecular Wire Complexes. Journal of the American Chemical Society, 2006, 128, 7230-7241.	6.6	72
23	Tuning Reactivity and Electronic Properties through Ligand Reorganization within a Cerium Heterobimetallic Framework. Journal of the American Chemical Society, 2013, 135, 19016-19024.	6.6	68
24	Cerium(IV) Imido Complexes: Structural, Computational, and Reactivity Studies. Journal of the American Chemical Society, 2017, 139, 2435-2442.	6.6	68
25	DFT Study of the Active Site of the XoxFâ€Type Natural, Ceriumâ€Dependent Methanol Dehydrogenase Enzyme. Chemistry - A European Journal, 2015, 21, 1743-1748.	1.7	64
26	Multiple Bonding in Lanthanides and Actinides: Direct Comparison of Covalency in Thorium(IV)- and Cerium(IV)-Imido Complexes. Journal of the American Chemical Society, 2019, 141, 9185-9190.	6.6	64
27	A Mild Protocol To Generate Uranium(IV) Mixed-Ligand Metallocene Complexes using Copper(I) Iodide. Organometallics, 2008, 27, 5371-5378.	1.1	63
28	Stable Uranium(VI) Methyl and Acetylide Complexes and the Elucidation of an Inverse Trans Influence Ligand Series. Journal of the American Chemical Society, 2013, 135, 13185-13192.	6.6	63
29	Actinide Redox-Active Ligand Complexes: Reversible Intramolecular Electron-Transfer in U(dpp-BIAN)₂/U(dpp-BIAN)₂(THF). Inorganic Chemistry, 2010, 49, 924-933.	1.9	62
30	Investigation of the Electronic Ground States for a Reduced Pyridine(diimine) Uranium Series: Evidence for a Ligand Tetraanion Stabilized by a Uranium Dimer. Journal of the American Chemical Society, 2015, 137, 4690-4700.	6.6	62
31	An Alkali Metal-Capped Cerium(IV) Imido Complex. Journal of the American Chemical Society, 2016, 138, 6928-6931.	6.6	62
32	4fâ€“5f Heterotrimetallic Complexes Exhibiting Electrochemical and Magnetic Communication. Journal of the American Chemical Society, 2006, 128, 2198-2199.	6.6	61
33	Sustainable Inorganic Chemistry: Metal Separations for Recycling. Inorganic Chemistry, 2019, 58, 979-990.	1.9	61
34	Understanding and Controlling the Emission Brightness and Color of Molecular Cerium Luminophores. Journal of the American Chemical Society, 2018, 140, 4588-4595.	6.6	60
35	Accomplishing simple, solubility-based separations of rare earth elements with complexes bearing size-sensitive molecular apertures. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14887-14892.	3.3	59
36	Câ€“H Bond Addition across a Transient Uraniumâ€“Nitrido Moiety and Formation of a Parent Uranium Imido Complex. Journal of the American Chemical Society, 2018, 140, 11335-11340.	6.6	58

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37	Anomalous One-Electron Processes in the Chemistry of Uranium Nitrogen Multiple Bonds. Inorganic Chemistry, 2014, 53, 9129-9139.	1.9	57
38	A General and Modular Synthesis of Monoimidouranium(IV) Dihalides. Inorganic Chemistry, 2011, 50, 4235-4237.	1.9	56
39	Direct Comparison of the Magnetic and Electronic Properties of Samarocene and Ytterbocene Terpyridine Complexes. Inorganic Chemistry, 2008, 47, 5841-5849.	1.9	53
40	New Paramagnetic Re(II) Compounds with Nitrile and Cyanide Ligands Prepared by Homolytic Scission of Dirhenium Complexes. Inorganic Chemistry, 2003, 42, 4256-4258.	1.9	52
41	Structural Characterization, Magnetic Properties, and Electrospray Mass Spectrometry of Two Jahnâ^Teller Isomers of the Single-Molecule Magnet [Mn12O12(CF3COO)16(H2O)4]. Inorganic Chemistry, 2004, 43, 1359-1369.	1.9	51
42	Synthesis, Electrochemistry, and Reactivity of Cerium(III/IV) Methylene-Bis-Phenolate Complexes. Inorganic Chemistry, 2013, 52, 5970-5977.	1.9	51
43	Systematic Studies of Early Actinide Complexes:Â Thorium(IV) Fluoroketimides. Journal of the American Chemical Society, 2007, 129, 5139-5152.	6.6	50
44	Controlled Redox Chemistry at Cerium within a Tripodal Nitroxide Ligand Framework. Chemistry - A European Journal, 2015, 21, 17850-17859.	1.7	50
45	Electroâ€kinetic Separation of Rare Earth Elements Using a Redoxâ€Active Ligand. Angewandte Chemie - International Edition, 2017, 56, 13450-13454.	7.2	50
46	1,4â€Dicyanobenzene as a Scaffold for the Preparation of Bimetallic Actinide Complexes Exhibiting Metalâ€“Metal Communication. Chemistry - A European Journal, 2008, 14, 7782-7790.	1.7	49
47	Comparative Study of f-Element Electronic Structure across a Series of Multimetallic Actinide and Lanthanoid-Actinide Complexes Possessing Redox-Active Bridging Ligands. Inorganic Chemistry, 2010, 49, 1995-2007.	1.9	49
48	Actinide-Mediated Cyclization of 1,2,4,5-Tetracyanobenzene: Synthesis and Characterization of Self-Assembled Trinuclear Thorium and Uranium Macrocycles. Angewandte Chemie - International Edition, 2006, 45, 2036-2041.	7.2	48
49	Reductive Cleavage of Nitrite to Form Terminal Uranium Mono-Oxo Complexes. Journal of the American Chemical Society, 2013, 135, 511-518.	6.6	48
50	Tetrakis(bis(trimethylsilyl)amido)uranium(IV): Synthesis and Reactivity. Inorganic Chemistry, 2013, 52, 7326-7328.	1.9	48
51	The Inverse Trans Influence in a Family of Pentavalent Uranium Complexes. Inorganic Chemistry, 2014, 53, 6944-6953.	1.9	48
52	Variation of electronic transitions and reduction potentials of cerium(<scp>iv</scp>) complexes. Dalton Transactions, 2014, 43, 16197-16206.	1.6	47
53	Functional Synthetic Model for the Lanthanide-Dependent Quinoid Alcohol Dehydrogenase Active Site. Journal of the American Chemical Society, 2018, 140, 1223-1226.	6.6	47
54	Air- and Water-Tolerant Rare Earth Guanidinium BINOLate Complexes as Practical Precatalysts in Multifunctional Asymmetric Catalysis. Journal of the American Chemical Society, 2014, 136, 8034-8041.	6.6	44

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55	Uranyl Functionalization Mediated by Redox-Active Ligands: Generation of Oâ€“C Bonds via Acylation. Journal of the American Chemical Society, 2019, 141, 1016-1026.	6.6	42
56	Synthesis and Characterization of Tris-chelate Complexes for Understanding f-Orbital Bonding in Later Actinides. Journal of the American Chemical Society, 2019, 141, 2356-2366.	6.6	41
57	Single Crystal to Single Crystal Transformation and Hydrogen-Atom Transfer upon Oxidation of a Cerium Coordination Compound. Inorganic Chemistry, 2013, 52, 4142-4144.	1.9	40
58	A Family of Cyanide-Bridged Molecular Squares: Structural and Magnetic Properties of [{MIICl2}2{CoII(triphos)(CN)2}2]Â·xCH2Cl2, M = Mn, Fe, Co, Ni, Zn. Inorganic Chemistry, 2008, 47, 2074-2082.	1.9	39
59	Fluorinated diarylamide complexes of uranium(<scp>iii</scp>,<scp>iv</scp>) incorporating ancillary fluorine-to-uranium dative interactions. Chemical Science, 2013, 4, 798-805.	3.7	39
60	Synthesis, Bonding, and Reactivity of a Cerium(IV) Fluoride Complex. Inorganic Chemistry, 2014, 53, 27-29.	1.9	39
61	A Ligand Field Series for the 4f-Block from Experimental and DFT Computed Ce(IV/III) Electrochemical Potentials. Inorganic Chemistry, 2015, 54, 2830-2837.	1.9	39
62	A strategy to improve the performance of cerium(<scp>iii</scp>) photocatalysts. Chemical Communications, 2019, 55, 4067-4070.	2.2	38
63	Unusual Magnetic Behavior of Six-Coordinate, Mixed-Ligand Re(II) Complexes:Â Origin of a Strong Temperature-Independent Paramagnetismâ€. Journal of Physical Chemistry A, 2003, 107, 11102-11111.	1.1	37
64	Toward Actinide Molecular Magnetic Materials:Â Coordination Polymers of U(IV) and the Organic Acceptors TCNQ and TCNEâ€. Inorganic Chemistry, 2007, 46, 5528-5536.	1.9	37
65	Cerium under the lens. Nature Chemistry, 2013, 5, 348-348.	6.6	37
66	Dimeric Rareâ€Earth BINOLate Complexes: Activation of 1,4â€Benzoquinone through Lewis Acid Promoted Potential Shifts. Chemistry - A European Journal, 2013, 19, 5996-6004.	1.7	36
67	Tuning the Fe(II/III) Redox Potential in Nonheme Fe(II)â€“Hydroxo Complexes through Primary and Secondary Coordination Sphere Modifications. Inorganic Chemistry, 2017, 56, 4852-4863.	1.9	35
68	Electrophilic Ln(III) Cations Protected by Câ€“F â†’ Ln Interactions and Their Coordination Chemistry with Weak Ïƒ- and Ï€-Donors. Inorganic Chemistry, 2013, 52, 8234-8243.	1.9	34
69	Investigation of Uranium Tris(imido) Complexes: Synthesis, Characterization, and Reduction Chemistry of [U(NDIPP)₃(thf)₃]. Angewandte Chemie - International Edition, 2015, 54, 9386-9389.	7.2	34
70	13C NMR Shifts as an Indicator of Uâ€“C Bond Covalency in Uranium(VI) Acetylide Complexes: An Experimental and Computational Study. Inorganic Chemistry, 2019, 58, 4152-4163.	1.9	34
71	Synthesis and Analysis of a Family of Cerium(IV) Halide and Pseudohalide Compounds. Inorganic Chemistry, 2014, 53, 6338-6345.	1.9	33
72	Control of cerium oxidation state through metal complex secondary structures. Chemical Science, 2015, 6, 6925-6934.	3.7	33

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73	Spontaneous Partitioning of Californium from Curium: Curious Cases from the Crystallization of Curium Coordination Complexes. Inorganic Chemistry, 2015, 54, 11399-11404.	1.9	32
74	Fine-Tuning the Oxidative Ability of Persistent Radicals: Electrochemical and Computational Studies of Substituted 2-Pyridylhydroxylamines. Journal of Organic Chemistry, 2013, 78, 6344-6349.	1.7	31
75	Structural and electrochemical characterization of a cerium(<scp>iv</scp>) hydroxamate complex: implications for the beneficiation of light rare earth ores. Chemical Communications, 2014, 50, 5361-5363.	2.2	30
76	Stabilization of M^{IV} = Ti, Zr, Hf, Ce, and Th using a selenium bis(phenolate) ligand. Dalton Transactions, 2015, 44, 2693-2702.	1.6	30
77	Solution and Solid State Structural Chemistry of Th(IV) and U(IV) 4-Hydroxybenzoates. Inorganic Chemistry, 2018, 57, 7259-7269.	1.9	30
78	Correlating Mechanical Sensitivity with Spin Transition in the Explosive Spin Crossover Complex [Fe(Htrz)₃]_n[ClO₄]_{2n}. Journal of the American Chemical Society, 2020, 142, 4842-4851.	6.6	30
79	Ligand Substituent Effect Observed for Ytterbocene 4â€˜-Cyano-2,2â€˜:6â€˛,2â€˛Ââ€˛-terpyridine. Inorganic Chemistry, 2005, 44, 5911-5920.	1.9	29
80	Câ€“Fâ†’Ln/An interactions in synthetic f-element chemistry. Dalton Transactions, 2016, 45, 6313-6323.	1.6	26
81	High-throughput screening for discovery of benchtop separations systems for selected rare earth elements. Communications Chemistry, 2020, 3, .	2.0	26
82	An Operationally Simple Method for Separating the Rareâ€Earth Elements Neodymium and Dysprosium. Angewandte Chemie, 2015, 127, 8340-8343.	1.6	25
83	Density Functional Theory as a Predictive Tool for Cerium Redox Properties in Nonaqueous Solvents. Inorganic Chemistry, 2016, 55, 12651-12659.	1.9	25
84	The role of dynamic ligand exchange in the oxidation chemistry of cerium(<scp>iii</scp>). Chemical Science, 2016, 7, 4537-4547.	3.7	25
85	A molecular basis to rare earth separations for recycling: tuning the TriNOx ligand properties for improved performance. Chemical Communications, 2018, 54, 10276-10279.	2.2	25
86	Asymmetric Allylation of Ketones and Subsequent Tandem Reactions Catalyzed by a Novel Polymerâ€Supported Titaniumâ€“BINOLate Complex. Chemistry - A European Journal, 2014, 20, 7122-7127.	1.7	24
87	Rare Earth Metal Complexes of Bidentate Nitroxide Ligands: Synthesis and Electrochemistry. Inorganic Chemistry, 2016, 55, 775-784.	1.9	24
88	Reduction of Carbonyl Groups by Uranium(III) and Formation of a Stable Amide Radical Anion. Chemistry - A European Journal, 2018, 24, 826-837.	1.7	23
89	Uranium Pyrrolylamine Complexes Featuring a Trigonal Binding Pocket and Interligand Noncovalent Interactions. Inorganic Chemistry, 2012, 51, 37-39.	1.9	22
90	Spectroscopic and Structural Elucidation of Uranium Dioxophenoxazine Complexes. Inorganic Chemistry, 2015, 54, 6520-6527.	1.9	22

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91	Exchange Processes in Shibasakiâ€™s Rare Earth Alkali Metal BINOLate Frameworks and Their Relevance in Multifunctional Asymmetric Catalysis. Journal of the American Chemical Society, 2015, 137, 7135-7144.	6.6	22
92	Î²2-Coordination of 18-crown-6 to Ce(iii) cations: solution dynamics and reactivity. Chemical Communications, 2014, 50, 3470.	2.2	21
93	Coordination Chemistry of a Strongly-Donating Hydroxylamine with Early Actinides: An Investigation of Redox Properties and Electronic Structure. Inorganic Chemistry, 2018, 57, 4387-4394.	1.9	21
94	Photoinduced Miyaura Borylation by a Rareâ€Earthâ€Metal Photoreductant: The Hexachlorocerate(III) Anion. Angewandte Chemie, 2018, 130, 11165-11169.	1.6	21
95	Phosphoryl-Ligand Adducts of Rare Earth-TriNOx Complexes: Systematic Studies and Implications for Separations Chemistry. ACS Sustainable Chemistry and Engineering, 2019, 7, 4993-5001.	3.2	21
96	Magnetic Field Directed Rareâ€Earth Separations. Angewandte Chemie - International Edition, 2020, 59, 1851-1856.	7.2	21
97	Reactions of a cerium(iii) amide with heteroallenes: insertion, silyl-migration and de-insertion. Chemical Communications, 2016, 52, 9813-9816.	2.2	20
98	Isolation and characterization of a covalent CeIV-Aryl complex with an anomalous 13C chemical shift. Nature Communications, 2021, 12, 1713.	5.8	20
99	Why Is Uranyl Formohydroxamate Red?. Inorganic Chemistry, 2015, 54, 5280-5284.	1.9	19
100	Redox-enhanced hemilability of a tris(tert-butoxy)siloxy ligand at cerium. Dalton Transactions, 2018, 47, 10113-10123.	1.6	19
101	Using Redox-Active Ligands to Generate Actinide Ligand Radical Species. Inorganic Chemistry, 2021, 60, 15242-15252.	1.9	19
102	Synthesis of an elusive, stable 2-azaallyl radical guided by electrochemical and reactivity studies of 2-azaallyl anions. Chemical Science, 2021, 12, 4405-4410.	3.7	19
103	Discovery and mechanistic investigation of photoinduced sp3 Câ€“H activation of hydrocarbons by the simple anion hexachlorotitanate. Chem Catalysis, 2022, 2, 853-866.	2.9	19
104	Synthesis and Catalytic Activity of Heterobimetallic Rare Earthâ€“Zinc Ethyl BINOLate Analogues of Shibasakiâ€™s Catalysts. Organometallics, 2013, 32, 7431-7439.	1.1	18
105	Bidentate nitroxide ligands stable toward oxidative redox cycling and their complexes with cerium and lanthanum. Chemical Communications, 2015, 51, 15047-15050.	2.2	18
106	Synthesis and Characterization of ReCl(H2)(AsMePh2)4, a Classical Hydride Complex; Reexamination of ReCl(H2)(PMePh2)4and Theoretical Calculations on Model Compounds. Inorganic Chemistry, 2001, 40, 3463-3467.	1.9	17
107	A Metal-Free, Photocatalytic Method for Aerobic Alkane Iodination. Journal of the American Chemical Society, 2021, 143, 19262-19267.	6.6	17
108	Electroâ€kinetic Separation of Rare Earth Elements Using a Redoxâ€Active Ligand. Angewandte Chemie, 2017, 129, 13635-13639.	1.6	16

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109	Screening of molecular lanthanide corrosion inhibitors by a high-throughput method. Corrosion Science, 2020, 165, 108377.	3.0	16
110	A homoleptic Î·2 hydroxylaminato CeIV complex with S4 symmetry. Dalton Transactions, 2014, 43, 6300.	1.6	15
111	Synthesis and Reduction of Uranium(V) Imido Complexes with Redoxâ€Active Substituents. Chemistry - A European Journal, 2017, 23, 5748-5757.	1.7	15
112	Redox-Driven Chelation and Kinetic Separation of Select Rare Earths Using a Tripodal Nitroxide Proligand. Inorganic Chemistry, 2020, 59, 172-178.	1.9	15
113	Mononuclear to Polynuclear U^{IV} Structural Units: Effects of Reaction Conditions on Uâ€Furoate Phase Formation. Chemistry - A European Journal, 2020, 26, 5872-5886.	1.7	15
114	Magnetic properties of complex d 1 and d 5 ions: crystal field model and Jahnâ€“Teller effect. Polyhedron, 2003, 22, 2545-2556.	1.0	14
115	Cerium(III) and Uranium(IV) Complexes of the 2-Fluorophenyl Trimethylsilyl Amide Ligand: Câ€“F â†’ Ln/An Interactions that Modulate the Coordination Spheres of f-Block Elements. Inorganic Chemistry, 2016, 55, 5684-5692.	1.9	14
116	A 1,2â€Addition Pathway for C(sp 2)â^'H Activation at a Dinickel Imide. Chemistry - A European Journal, 2017, 23, 7694-7697.	1.7	14
117	Redox-Active vs Redox-Innocent: A Comparison of Uranium Complexes Containing Diamine Ligands. Inorganic Chemistry, 2018, 57, 6530-6539.	1.9	14
118	Elucidation of Thorium Redox-Active Ligand Complexes: Evidence for a Thorium-Tri(radical) Species. Inorganic Chemistry, 2021, 60, 14302-14309.	1.9	14
119	Light-mediated aerobic oxidation of C(sp³)â€“H bonds by a Ce(<scp>iv</scp>) hexachloride complex. Organic Chemistry Frontiers, 2022, 9, 2612-2620.	2.3	14
120	Ultrafast Spectroscopy of the Uranium(IV) and Thorium(IV) Bis(ketimide) Complexes (C5Me5)2An[â^'Nâ•C(Ph)(CH2Ph)]2 (An = Th, U). Journal of Physical Chemistry A, 2008, 112, 7840-7847.	1.1	13
121	Structure, Electronics and Reactivity of Ce(PNP) Complexes. Chemistry - A European Journal, 2017, 23, 17923-17934.	1.7	13
122	Silyl Transfer Pathway to a Ce(IV) Imido Complex. Organometallics, 2018, 37, 4332-4335.	1.1	13
123	A reduction series of neodymium supported by pyridine(diimine) ligands. Dalton Transactions, 2019, 48, 8021-8025.	1.6	13
124	Complexation and redox chemistry of neptunium, plutonium and americium with a hydroxylaminato ligand. Chemical Science, 2021, 12, 13343-13359.	3.7	13
125	Uranium(IV) BINOLate Heterobimetallics: Synthesis and Reactivity in an Asymmetric Dielsâ€“Alder Reaction. Organometallics, 2013, 32, 1493-1499.	1.1	12
126	Not Just Lewis Acids: Preface for the Forum on New Trends and Applications for Lanthanides. Inorganic Chemistry, 2016, 55, 9951-9953.	1.9	12

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127	Electronic structure studies reveal 4f/5d mixing and its effect on bonding characteristics in Ce-imido and -oxo complexes. Chemical Science, 2022, 13, 1759-1773.	3.7	12
128	Lanthanide(iii) 2-naphthoxide complexes stabilized by interligand non-covalent interactions. Dalton Transactions, 2012, 41, 7870.	1.6	11
129	Nonâ€Covalent Immobilization of Rare Earth Heterobimetallic Frameworks and their Reactivity in an Asymmetric Michael Addition. Advanced Synthesis and Catalysis, 2014, 356, 1243-1254.	2.1	11
130	Synthesis and Characterization of Aluminum Complexes of Redox-Active Pyridyl Nitroxide Ligands. Inorganic Chemistry, 2015, 54, 10901-10908.	1.9	11
131	Understanding Molecular Factors That Determine Performance in the Rare Earth (TriNOx) Separations System. ACS Sustainable Chemistry and Engineering, 2020, 8, 14786-14794.	3.2	11
132	Reactivity of Ce(<scp>iv</scp>) imido compounds with heteroallenes. Chemical Communications, 2020, 56, 4781-4784.	2.2	11
133	Expanding the Rare-Earth Metal BINOLate Catalytic Multitool beyond Enantioselective Organic Synthesis. Accounts of Chemical Research, 2021, 54, 2637-2648.	7.6	11
134	Cationic cerium(IV) complexes with multiple open coordination sites. Journal of Organometallic Chemistry, 2018, 857, 5-9.	0.8	10
135	Cerium(iv) complexes with guanidinate ligands: intense colors and anomalous electronic structures. Chemical Science, 2021, 12, 3558-3567.	3.7	10
136	Substituted Quinoline Quinones as Surrogates for the PQQ Cofactor: An Electrochemical and Computational Study. Organic Letters, 2015, 17, 1850-1853.	2.4	9
137	1,2-Addition or Enolization? Variable Reactivity of a Cerium Acetylide Complex toward Carbonyl Compounds. Organometallics, 2016, 35, 2086-2091.	1.1	9
138	Synthesis, Structural Characterization, and Carbonyl Addition Reactivity of a Terminal Cerium(III) Acetylide Complex. Organometallics, 2014, 33, 5948-5951.	1.1	8
139	Accessing relatively electron poor cerium(<scp>iv</scp>) hydrazido complexes by lithium cation promoted ligand reduction. Dalton Transactions, 2016, 45, 15249-15258.	1.6	8
140	Synthesis of novel copper-rare earth BINOLate frameworks from a hydrogen bonding DBU-H rare earth BINOLate complex. Dalton Transactions, 2018, 47, 14408-14410.	1.6	8
141	Selective Reduction of Niobium(V) Species to Promote Molecular Niobium/Tantalum Separation. Inorganic Chemistry, 2022, 61, 23-27.	1.9	8
142	Exploration of the Solid- and Solution-State Structures and Electrochemical Properties of Ce^{IV}(atrane) Complexes. Inorganic Chemistry, 2018, 57, 10543-10547.	1.9	7
143	Magnetic Field Directed Rareâ€Earth Separations. Angewandte Chemie, 2020, 132, 1867-1872.	1.6	7
144	Rearrangement in a Tripodal Nitroxide Ligand To Modulate the Reactivity of a Tiâ€“F Bond. Inorganic Chemistry, 2015, 54, 9588-9593.	1.9	5

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145	Synthesis and characterization of aluminum nitroxide complexes. Polyhedron, 2016, 114, 194-199.	1.0	5
146	Structural variation in cerium aryloxide complexes templated by hemilabile K+â€“amine interactions. New Journal of Chemistry, 2015, 39, 6076-6084.	1.4	4
147	An investigation of the binding of (S)-monothioBINOLate to rare earth metal cations. Phosphorus, Sulfur and Silicon and the Related Elements, 2019, 194, 624-629.	0.8	4
148	A hydrolytically stable Ce(iv) complex of glutarimide-dioxime. Inorganic Chemistry Frontiers, 2021, 8, 934-939.	3.0	4
149	Tantalum, easy as Pi: understanding differences in metalâ€“imido bonding towards improving Ta/Nb separations. Chemical Science, 2022, 13, 6796-6805.	3.7	3
150	Proton affinities of pertechnetate (TcO₄^{â^’}) and perrhenate (ReO₄^{â^’}). Physical Chemistry Chemical Physics, 2020, 22, 12403-12411.	1.3	2
151	Synthetic modeling of the structure and function of the rare-earth dependent methanol dehydrogenase cofactor. Methods in Enzymology, 2021, 650, 19-55.	0.4	2
152	The Vibrancy and Variety of Modern f-Element Organometallic Chemistry. Organometallics, 2017, 36, 4507-4510.	1.1	1
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