

# Megan E Fieser

## List of Publications by Year in descending order

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24  
papers

1,639  
citations

489802

18  
h-index

685536

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g-index

24  
all docs

24  
docs citations

24  
times ranked

1543  
citing authors

#	ARTICLE	IF	CITATIONS
1	A computational study of the mechanism of chloroalkane dechlorination with Rh(i) complexes. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 3518-3522.	1.3	2
2	Perfectly Alternating Copolymerization of Cyclic Anhydrides and Epoxides with Yttrium $\text{f}^2$ -Diketimate Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 7088-7094.	1.9	9
3	Catalytic methods for chemical recycling or upcycling of commercial polymers. <i>Materials Horizons</i> , 2021, 8, 1084-1129.	6.4	185
4	Metal versus Ligand Reduction in $\text{Ln}^{3+}$ Complexes of a Mesitylene-Anchored Tris(Aryloxy) Ligand. <i>Inorganic Chemistry</i> , 2018, 57, 2823-2833.	1.9	41
5	Dual-catalytic decarbonylation of fatty acid methyl esters to form olefins. <i>Chemical Communications</i> , 2018, 54, 7669-7672.	2.2	12
6	Mechanistic Insights into the Alternating Copolymerization of Epoxides and Cyclic Anhydrides Using a (Salph)AlCl and Iminium Salt Catalytic System. <i>Journal of the American Chemical Society</i> , 2017, 139, 15222-15231.	6.6	125
7	Reactivity of Complexes of $4f^{n-1}5d^1$ and $4f^{n+1}$ $\text{Ln}^{2+}$ Ions with Cyclooctatetraene. <i>Organometallics</i> , 2017, 36, 3721-3728.	1.1	15
8	Comparisons of lanthanide/actinide +2 ions in a tris(aryloxy)arene coordination environment. <i>Chemical Science</i> , 2017, 8, 7424-7433.	3.7	70
9	Evaluating the electronic structure of formal $\text{Ln}^{II}$ ions in $\text{Ln}^{II}(\text{C}_5\text{H}_4\text{SiMe}_3)_3^+$ using XANES spectroscopy and DFT calculations. <i>Chemical Science</i> , 2017, 8, 6076-6091.	3.7	42
10	Expanding Thorium Hydride Chemistry Through $\text{Th}^{2+}$ , Including the Synthesis of a Mixed-Valent $\text{Th}^{4+}/\text{Th}^{3+}$ Hydride Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 4036-4045.	6.6	59
11	Raman spectroscopy of the N $\equiv$ N bond in rare earth dinitrogen complexes. <i>Dalton Transactions</i> , 2016, 45, 14634-14644.	1.6	22
12	Isolation of +2 rare earth metal ions with three anionic carbocyclic rings: bimetallic bis(cyclopentadienyl) reduced arene complexes of $\text{La}^{2+}$ and $\text{Ce}^{2+}$ are four electron reductants. <i>Chemical Science</i> , 2015, 6, 7267-7273.	3.7	38
13	Structural, Spectroscopic, and Theoretical Comparison of Traditional vs Recently Discovered $\text{Ln}^{2+}$ Ions in the $[\text{K}(\text{2.2.2-cryptand})][(\text{C}_5\text{H}_4\text{SiMe}_3)_3\text{Ln}]$ Complexes: The Variable Nature of $\text{Dy}^{2+}$ and $\text{Nd}^{2+}$ . <i>Journal of the American Chemical Society</i> , 2015, 137, 369-382.	6.6	185
14	Synthesis, structure, and reactivity of crystalline molecular complexes of the $\{[\text{C}_5\text{H}_3(\text{SiMe}_3)_2\text{Th}]^+ \text{anion}$ containing thorium in the formal +2 oxidation state. <i>Chemical Science</i> , 2015, 6, 517-521.	3.7	119
15	Ligand Effects in the Synthesis of $\text{Ln}^{2+}$ Complexes by Reduction of Tris(cyclopentadienyl) Precursors Including C $\equiv$ H Bond Activation of an Indenyl Anion. <i>Organometallics</i> , 2015, 34, 3909-3921.	1.1	40
16	Record High Single-Ion Magnetic Moments Through $4f^{n-1}5d^1$ Electron Configurations in the Divalent Lanthanide Complexes $[(\text{C}_5\text{H}_4\text{SiMe}_3)_3\text{Ln}]^+$ . <i>Journal of the American Chemical Society</i> , 2015, 137, 9855-9860.	6.6	107
17	Dinitrogen Reduction, Sulfur Reduction, and Isoprene Polymerization via Photochemical Activation of Trivalent Bis(cyclopentadienyl) Rare-Earth-Metal Allyl Complexes. <i>Organometallics</i> , 2015, 34, 4387-4393.	1.1	28
18	Differentiating Chemically Similar Lewis Acid Sites in Heterobimetallic Complexes: The Rare-Earth Bridged Hydride $(\text{C}_5\text{H}_5\text{Me}_5)_2\text{Ln}(\text{f}^4\text{-H})_2\text{Ln}(\text{C}_5\text{H}_5\text{Me}_5)_2$ and Tuckover Hydride $(\text{C}_5\text{H}_5\text{Me}_5)_2\text{Ln}(\text{f}^4\text{-H})(\text{f}^4\text{-H})\text{f}^5\text{-CH}_2\text{C}_5\text{H}_5\text{Me}_5$ Systems. <i>Organometallics</i> , 2014, 33, 3882-3890.	1.1	14

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19	Identification of the +2 Oxidation State for Uranium in a Crystalline Molecular Complex, [K(2.2.2-Cryptand)][(C <sub>5</sub> H <sub>4</sub> SiMe <sub>3</sub> ) <sub>3</sub> U]. Journal of the American Chemical Society, 2013, 135, 13310-13313.	6.6	220
20	Dinitrogen Reduction via Photochemical Activation of Heteroleptic Tris(cyclopentadienyl) Rare-Earth Complexes. Journal of the American Chemical Society, 2013, 135, 3804-3807.	6.6	31
21	Insertion of CO <sub>2</sub> and COS into Bi-C Bonds: Reactivity of a Bismuth NCN Pincer Complex of an Oxyaryl Dianionic Ligand, [2,6-(Me <sub>2</sub> NCH <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ]Bi(C <sub>6</sub> H <sub>2</sub> ) <sub>2</sub> . Journal of the American Chemical Society, 2013, 135, 7777-7787.	6.6	56
22	Expanding Rare-Earth Oxidation State Chemistry to Molecular Complexes of Holmium(II) and Erbium(II). Journal of the American Chemical Society, 2012, 134, 8420-8423.	6.6	182
23	Reactivity of the Y <sup>3+</sup> Tuck-Over Hydride Complex, (C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> Y(1/4-H)(1/4-CH <sub>2</sub> C <sub>5</sub> Me <sub>4</sub> )Y(C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> . Organometallics, 2012, 31, 5591-5598.	6.6	14
24	(C <sub>5</sub> Me <sub>4</sub> H)1 <sup>-</sup> -based reduction of dinitrogen by the mixed ligand tris(polyalkylcyclopentadienyl) lutetium and yttrium complexes, (C <sub>5</sub> Me <sub>5</sub> ) <sub>3</sub> (C <sub>5</sub> Me <sub>4</sub> H) <sub>x</sub> Ln. Chemical Science, 2011, 2, 1992.	3.7	22