

# Paula Diaconescu

## List of Publications by Year in descending order

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109  
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5,863  
citations

66315

42  
h-index

85498

71  
g-index

111  
all docs

111  
docs citations

111  
times ranked

4293  
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium Nanoparticles Supported on Polyaniline Nanofibers as a Semi-Heterogeneous Catalyst in Water. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7251-7254.	7.2	414
2	Arene-Bridged Diuranium Complexes: Inverted Sandwiches Supported by $\pi$ -Backbonding. <i>Journal of the American Chemical Society</i> , 2000, 122, 6108-6109.	6.6	281
3	Redox Control of Group 4 Metal Ring-Opening Polymerization Activity toward $\epsilon$ -Lactide and $\epsilon$ -Caprolactone. <i>Journal of the American Chemical Society</i> , 2014, 136, 11264-11267.	6.6	235
4	Redox Control of a Ring-Opening Polymerization Catalyst. <i>Journal of the American Chemical Society</i> , 2011, 133, 9278-9281.	6.6	233
5	Pursuit of Record Breaking Energy Barriers: A Study of Magnetic Axiality in Diamide Ligated Dy <sup>III</sup> Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2017, 139, 1420-1423.	6.6	186
6	Redox control of a polymerization catalyst by changing the oxidation state of the metal center. <i>Chemical Communications</i> , 2011, 47, 9897.	2.2	138
7	Diuranium Inverted Sandwiches Involving Naphthalene and Cyclooctatetraene. <i>Journal of the American Chemical Society</i> , 2002, 124, 7660-7661.	6.6	132
8	A Weak Interaction between Iron and Uranium in Uranium Alkyl Complexes Supported by Ferrocene Diamide Ligands. <i>Organometallics</i> , 2008, 27, 1702-1706.	1.1	116
9	Facile Synthesis of Trialkoxymolybdenum(VI) Alkylidyne Complexes for Alkyne Metathesis. <i>Organometallics</i> , 2000, 19, 5260-5262.	1.1	103
10	Reactions of Aromatic N-Heterocycles with d <sup>0</sup> f <sup>n</sup> -Metal Alkyl Complexes Supported by Chelating Diamide Ligands. <i>Accounts of Chemical Research</i> , 2010, 43, 1352-1363.	7.6	103
11	Intramolecular Crossed [2+2] Photocycloaddition through Visible Light-Induced Energy Transfer. <i>Journal of the American Chemical Society</i> , 2017, 139, 9807-9810.	6.6	103
12	Redox-Switchable Ring-Opening Polymerization with Ferrocene Derivatives. <i>Accounts of Chemical Research</i> , 2019, 52, 415-424.	7.6	101
13	Redox Processes in a Uranium Bis(1,1'-diamidoferrocene) Complex. <i>Inorganic Chemistry</i> , 2007, 46, 7226-7228.	1.9	98
14	P4 activation by group 3 metal arene complexes. <i>Chemical Communications</i> , 2012, 48, 2216.	2.2	91
15	Scandium Alkyl Complexes Supported by a Ferrocene Diamide Ligand. <i>Organometallics</i> , 2008, 27, 363-370.	1.1	89
16	Ring-Opening Reactions of Aromatic N-Heterocycles by Scandium and Yttrium Alkyl Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 7558-7559.	6.6	89
17	Synthesis and Characterization of Cerium and Yttrium Alkoxide Complexes Supported by Ferrocene-Based Chelating Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 2870-2877.	1.9	88
18	Investigations of the Electronic Structure of Arene-Bridged Diuranium Complexes. <i>Organometallics</i> , 2013, 32, 1341-1352.	1.1	87

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19	Cerium(IV) Catalysts for the Ring-Opening Polymerization of Lactide. <i>Inorganic Chemistry</i> , 2009, 48, 4701-4706.	1.9	84
20	Scandium Arene Inverted-Sandwich Complexes Supported by a Ferrocene Diamide Ligand. <i>Journal of the American Chemical Society</i> , 2011, 133, 10410-10413.	6.6	83
21	Methine (CH) Transfer via a Chlorine Atom Abstraction/Benzene-Elimination Strategy: A Molybdenum Methyldiyne Synthesis and Elaboration to a Phosphaisocyanide Complex. <i>Journal of the American Chemical Society</i> , 2002, 124, 2412-2413.	6.6	77
22	Molecular quadrangle formation from a diuranium $\text{U}_2\text{Cl}_6$ -toluene complex. <i>Chemical Communications</i> , 2011, 47, 9119.	2.2	75
23	Redox Switchable Copolymerization of Cyclic Esters and Epoxides by a Zirconium Complex. <i>Macromolecules</i> , 2016, 49, 6768-6778.	2.2	73
24	$\text{U}_2\text{Cl}_6$ -Arene-Bridged Diuranium Hexakis(imido) Complexes Isolable in Two States of Charge. <i>Inorganic Chemistry</i> , 2012, 51, 2902-2916.	1.9	71
25	Inter- and Intramolecular Hydroamination with a Uranium Dialkyl Precursor. <i>Organometallics</i> , 2010, 29, 3242-3251.	1.1	68
26	Synthesis, characterization, and anticancer activity of Schiff bases. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 3246-3259.	2.0	68
27	Dearomatization Reactions of N-Heterocycles Mediated by Group 3 Complexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 342-355.	6.6	61
28	Uranium-Group 14 Element Single Bonds: Isolation and Characterization of a Uranium(IV) Silyl Species. <i>Organometallics</i> , 2001, 20, 4993-4995.	1.1	60
29	Beyond $\text{C}\equiv\text{H}$ Activation with Uranium: A Cascade of Reactions Mediated by a Uranium Dialkyl Complex. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8352-8355.	7.2	57
30	A six-carbon 10 $\pi$ -electron aromatic system supported by group 3 metals. <i>Nature Communications</i> , 2013, 4, 1448.	5.8	57
31	Reversible $\text{C}\equiv\text{C}$ Coupling in a Uranium Biheterocyclic Complex. <i>Journal of the American Chemical Society</i> , 2010, 132, 7676-7683.	6.6	56
32	$\text{P}^4$ Activation by Lanthanum and Lutetium Naphthalene Complexes Supported by a Ferrocene Diamide Ligand. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4090-4096.	1.0	56
33	Redox Control of Aluminum Ring-Opening Polymerization: A Combined Experimental and DFT Investigation. <i>Macromolecules</i> , 2017, 50, 1847-1861.	2.2	56
34	High activity of an indium alkoxide complex toward ring opening polymerization of cyclic esters. <i>Chemical Communications</i> , 2015, 51, 9643-9646.	2.2	55
35	Terminal Phosphide and Dinitrogen Molybdenum Compounds Obtained from Pnictide-Bridged Precursors. <i>Inorganic Chemistry</i> , 2001, 40, 6860-6862.	1.9	54
36	Reactions of Group III Biheterocyclic Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 10269-10278.	6.6	54

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37	Organic Nitriles from Acid Chlorides: An Isovalent N for (O)Cl Exchange Reaction Mediated by a Tungsten Nitride Complex. <i>Journal of the American Chemical Society</i> , 2004, 126, 7742-7743.	6.6	49
38	In situ generation of uranium alkyl complexes. <i>Chemical Communications</i> , 2010, 46, 3390.	2.2	49
39	Tetraanionic Biphenyl Lanthanide Complexes as Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2015, 54, 2374-2382.	1.9	49
40	Synthesis and Structural Studies of Chiral Indium(III) Complexes Supported by Tridentate Diaminophenol Ligands. <i>Inorganic Chemistry</i> , 2010, 49, 5444-5452.	1.9	48
41	Coupling of Aromatic N-Heterocycles Mediated by Group 3 Complexes. <i>Organometallics</i> , 2010, 29, 835-846.	1.1	47
42	Palladium(II) and Platinum(II) Compounds of 1,1'-Bis(phosphino)metallocene (M = Fe, Ru) Ligands with Metal-Metal Interactions. <i>Organometallics</i> , 2013, 32, 5966-5979.	1.1	45
43	Radical Scission of Symmetrical 1,4-Dicarbonyl Compounds: C-C Bond Cleavage with Titanium(IV) Enolate Formation and Related Reactions. <i>Organometallics</i> , 2002, 21, 1329-1340.	1.1	43
44	A Sterically Demanding Enolate Ligand: Tantalum Ligation and Pyridine Coupling. <i>Organometallics</i> , 2004, 23, 498-503.	1.1	43
45	Redox-Switchable Hydroelementation of a Cobalt Complex Supported by a Ferrocene-Based Ligand. <i>Organometallics</i> , 2016, 35, 2446-2453.	1.1	43
46	Coordination Chemistry of a Chelating Amidoximate Ligand. <i>Inorganic Chemistry</i> , 2001, 40, 2892-2897.	1.9	42
47	Transmetalation Reactions of a Scandium Complex Supported by a Ferrocene Diamide Ligand. <i>Inorganic Chemistry</i> , 2011, 50, 978-984.	1.9	42
48	The riches of uranium. <i>Nature Chemistry</i> , 2010, 2, 424-424.	6.6	41
49	Reactivity and Properties of Metal Complexes Enabled by Flexible and Redox-Active Ligands with a Ferrocene Backbone. <i>Inorganic Chemistry</i> , 2016, 55, 10013-10023.	1.9	41
50	Group 3 Metal Complexes of Radical-Anionic 2,2'-Bipyridyl Ligands. <i>Inorganic Chemistry</i> , 2010, 49, 11493-11498.	1.9	39
51	d <sup>0</sup> f <sup>N</sup> -METAL COMPLEXES SUPPORTED BY FERROCENE-BASED CHELATING LIGANDS. <i>Comments on Inorganic Chemistry</i> , 2010, 31, 196-241.	3.0	39
52	Rare-earth metal f-complexes of reduced arenes, alkenes, and alkynes: bonding, electronic structure, and comparison with actinides and other electropositive metals. <i>Dalton Transactions</i> , 2015, 44, 15360-15371.	1.6	39
53	Switchable Polymerization of Norbornene Derivatives by a Ferrocene-Palladium(II) Heteroscorpionate Complex. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2634-2640.	1.0	38
54	Switchable Ring-Opening Polymerization by a Ferrocene Supported Aluminum Complex. <i>ChemCatChem</i> , 2019, 11, 4210-4218.	1.8	38

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55	Synthesis and Characterization of Paramagnetic Lanthanide Benzyl Complexes. <i>Organometallics</i> , 2013, 32, 1379-1386.	1.1	37
56	Characterization of an Iron–Ruthenium Interaction in a Ferrocene Diamide Complex. <i>Inorganic Chemistry</i> , 2013, 52, 5603-5610.	1.9	37
57	Reactions of Aromatic Heterocycles with Uranium Alkyl Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 7165-7169.	1.9	36
58	Complexes of Gold(I), Silver(I), and Copper(I) with Pentaaryl[60]fullerides. <i>Journal of the American Chemical Society</i> , 2011, 133, 6841-6851.	6.6	36
59	Highly Active Yttrium Catalysts for the Ring-Opening Polymerization of $\epsilon$ -Caprolactone and $\gamma$ -Valerolactone. <i>Organometallics</i> , 2015, 34, 4700-4706.	1.1	36
60	A Comparison of Gallium and Indium Alkoxide Complexes as Catalysts for Ring-Opening Polymerization of Lactide. <i>Inorganic Chemistry</i> , 2017, 56, 1375-1385.	1.9	36
61	Mechanistic Studies of Redox-Switchable Copolymerization of Lactide and Cyclohexene Oxide by a Zirconium Complex. <i>Organometallics</i> , 2017, 36, 4451-4457.	1.1	36
62	Reactions of Early Transition Metal – Carbon Bonds with N-Heterocycles. <i>Current Organic Chemistry</i> , 2008, 12, 1388-1405.	0.9	35
63	Phosphine-Tethered Carbene Ligands: Template Synthesis and Reactivity of Cyclic and Acyclic Functionalized Carbenes. <i>Organometallics</i> , 2010, 29, 6065-6076.	1.1	35
64	Molybdenum–Phosphorus Triple Bond Stabilization by Ancillary Alkoxide Ligation: Synthesis and Structure of a Terminal Phosphide Tris-1-methylcyclohexanoxide Complex. <i>Journal of the American Chemical Society</i> , 2003, 125, 9264-9265.	6.6	34
65	Investigation of redox switchable titanium and zirconium catalysts for the ring opening polymerization of cyclic esters and epoxides. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1798-1805.	3.0	33
66	Reactions of Aromatic N-Heterocycles with Yttrium and Lutetium Benzyl Complexes Supported by a Pyridine-Diamide Ligand. <i>Organometallics</i> , 2010, 29, 1222-1230.	1.1	32
67	Group 3 metal stilbene complexes: synthesis, reactivity, and electronic structure studies. <i>Chemical Communications</i> , 2014, 50, 5221-5223.	2.2	31
68	On the Mechanism of the Conversion of Methanol to 2,2,3-Trimethylbutane (Triptane) over Zinc Iodide. <i>Journal of Organic Chemistry</i> , 2006, 71, 8907-8917.	1.7	29
69	Insertion reactions of scandium pyridyl complexes supported by a ferrocene diamide ligand. <i>Journal of Alloys and Compounds</i> , 2009, 488, 518-523.	2.8	29
70	Aromatic C–F Bond Activation by Rare-Earth-Metal Complexes. <i>Organometallics</i> , 2017, 36, 89-96.	1.1	29
71	Preparation of multiblock copolymers <i>via</i> step-wise addition of lactide and trimethylene carbonate. <i>Chemical Science</i> , 2018, 9, 2168-2178.	3.7	28
72	An Unusual Hydrogen Migration/C–H Activation Reaction with Group 3 Metals. <i>Journal of the American Chemical Society</i> , 2011, 133, 4680-4683.	6.6	27

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73	Investigation of the Electronic Structure of Mono( $\eta^2$ -Diamidoferrrocene) Uranium(IV) Complexes. <i>Organometallics</i> , 2013, 32, 6012-6021.	1.1	27
74	Arene-Bridged Dithorium Complexes: Inverse Sandwiches Supported by a $\sigma$ Bonding Interaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 21292-21297.	6.6	27
75	Bimetallic Cleavage of Aromatic C-H Bonds by Rare-Earth-Metal Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 17410-17413.	6.6	26
76	Ferrocene-bis(phosphinimine) Nickel(II) and Palladium(II) Alkyl Complexes: Influence of the Fe-M (M = Ti, Zr, Hf) on the Ring-Opening Polymerization of $\epsilon$ -Caprolactone. <i>Journal of the American Chemical Society</i> , 2015, 137, 1255-1260.	1.1	26
77	Investigation of a zirconium compound for redox switchable ring opening polymerization. <i>Dalton Transactions</i> , 2019, 48, 2996-3002.	1.6	24
78	Reactions of Imidazoles with Electrophilic Metal Alkyl Complexes. <i>Organometallics</i> , 2010, 29, 2272-2281.	1.1	23
79	Radical anionic versus neutral $\eta^2$ -bipyridyl coordination in uranium complexes supported by amide and ketimide ligands. <i>Dalton Transactions</i> , 2015, 44, 2676-2683.	1.6	23
80	Theoretical insight into the redox-switchable activity of group 4 metal complexes for the ring-opening polymerization of $\mu$ -caprolactone. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 961-971.	3.0	23
81	Reactions of aromatic N-heterocycles with a lutetium benzyl complex supported by a ferrocene-diamide ligand. <i>Dalton Transactions</i> , 2010, 39, 6726.	1.6	22
82	Synthesis and Characterization of Ferrocene-Chelating Heteroscorpionate Complexes of Nickel(II) and Zinc(II). <i>Inorganic Chemistry</i> , 2015, 54, 1778-1784.	1.9	21
83	Conversion of Methanol to 2,2,3-Trimethylbutane (Triptane) over Indium(III) Iodide. <i>Inorganic Chemistry</i> , 2007, 46, 11371-11380.	1.9	20
84	A mechanistic study of cross-coupling reactions catalyzed by palladium nanoparticles supported on polyaniline nanofibers. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 35-41.	3.0	20
85	Reduction of Diphenylacetylene Mediated by Rare-Earth Ferrocene Diamide Complexes. <i>Organometallics</i> , 2017, 36, 4643-4648.	1.1	20
86	Computational mapping of redox-switchable metal complexes based on ferrocene derivatives. <i>Chemical Communications</i> , 2019, 55, 7021-7024.	2.2	20
87	ABC and ABAB Block Copolymers by Electrochemically Controlled Ring-Opening Polymerization. <i>Journal of the American Chemical Society</i> , 2021, 143, 19802-19808.	6.6	20
88	An experimental and computational study of $\eta^2$ -ferrocene diamines. <i>Polyhedron</i> , 2013, 52, 377-388.	1.0	19
89	Synthesis of ferrocene-functionalized monomers for biodegradable polymer formation. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 271.	3.0	19
90	Yttrium-Alkyl Complexes Supported by a Ferrocene-Based Phosphinimine Ligand. <i>Organometallics</i> , 2015, 34, 2567-2572.	1.1	19

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91	Structural, Computational, and Spectroscopic Investigation of $[\text{Pd}(\text{P}^{\text{t}}\text{-}1,1\text{-bis}(\text{di-tert-butylphosphino})\text{ferrocenediyl})\text{X}]^+$ (X = Cl, Br, I) Compounds. <i>Organometallics</i> , 2016, 35, 462-470.	1.1	19
92	Zirconium complexes supported by a ferrocene-based ligand as redox switches for hydroamination reactions. <i>Chemical Communications</i> , 2019, 55, 5587-5590.	2.2	19
93	Developing a Virtual Reality Approach toward a Better Understanding of Coordination Chemistry and Molecular Orbitals. <i>Journal of Chemical Education</i> , 2020, 97, 3647-3651.	1.1	18
94	Geometry Change in a Series of Zirconium Compounds during Lactide Ring-Opening Polymerization. <i>Organometallics</i> , 2018, 37, 4040-4047.	1.1	17
95	Ring opening of aromatic heterocycles by uranium complexes. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2822-2826.	0.8	16
96	CH Bond Activation of Hydrocarbons Mediated by Rare-Earth Metals and Actinides. <i>Advances in Organometallic Chemistry</i> , 2015, , 41-75.	0.5	16
97	Transfer hydrogenation with a ferrocene diamide ruthenium complex. <i>Dalton Transactions</i> , 2012, 41, 7852.	1.6	15
98	Synthesis and Characterization of Single-Phase Metal Dodecaboride Solid Solutions: $\text{Zr}_x\text{Y}_{1-x}\text{B}_{12}$ and $\text{Zr}_x\text{U}_{1-x}\text{B}_{12}$ . <i>Journal of the American Chemical Society</i> , 2019, 141, 9047-9062.	6.6	15
99	In situ synthesis of lanthanide complexes supported by a ferrocene diamide ligand: extension to redox-active lanthanide ions. <i>New Journal of Chemistry</i> , 2015, 39, 7696-7702.	1.4	14
100	Monodentate phosphine substitution in $[\text{Pd}(\text{P}^{\text{t}}\text{-dppf})(\text{PR}_3)_3][\text{BF}_4]_2$ (dppf = Tj ETQq0 0 0 rgBT /Overlook10 Tf 50.477 Td (1	1.1	14
101	Exploring Oxidation State-Dependent Selectivity in Polymerization of Cyclic Esters and Carbonates with Zinc(II) Complexes. <i>IScience</i> , 2018, 7, 120-131.	1.9	13
102	Distinct electronic structures and bonding interactions in inverse-sandwich samarium and ytterbium biphenyl complexes. <i>Chemical Science</i> , 2021, 12, 227-238.	3.7	12
103	Visible-light-induced reversible C=C bond formation of an imidazole-derived scandium complex. <i>Inorganica Chimica Acta</i> , 2012, 380, 274-277.	1.2	10
104	New triorganotin(IV) compounds with aromatic carboxylate ligands: synthesis and evaluation of the pro-apoptotic mechanism. <i>RSC Advances</i> , 2021, 11, 4499-4514.	1.7	10
105	Synthesis of symmetrically and unsymmetrically 3,5-dimethylbenzyl-substituted 1,1'-ferrocene diamines. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 4090-4094.	0.8	9
106	A switchable dimeric yttrium complex and its three catalytic states in ring opening polymerization. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2088-2096.	3.0	9
107	Triorganotin(IV) carboxylates as potential anticancer agents: Their synthesis, physicochemical characterization, and cytotoxic activity against HeLa and MCF7 cancer cells. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6165.	1.7	8
108	A generalized kinetic model for compartmentalization of organometallic catalysis. <i>Chemical Science</i> , 2022, 13, 1101-1110.	3.7	6

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109	A photoswitchable organocatalyst controls trimethylene carbonate and $\hat{\Gamma}$ -valerolactone copolymerization. Science Bulletin, 2018, 63, 1460-1461.	4.3	1