Paula Diaconescu

List of Publications by Citations

109 papers	4,988 citations	41 h-index	66 g-index
111 ext. papers	5,495 ext. citations	7.5 avg, IF	6.07 L-index

#	Paper	IF	Citations
109	Palladium nanoparticles supported on polyaniline nanofibers as a semi-heterogeneous catalyst in water. *Angewandte Chemie - International Edition*, **2007**, 46, 7251-4	16.4	390
108	Arene-Bridged Diuranium Complexes: Inverted Sandwiches Supported by Backbonding. *Journal of the American Chemical Society*, **2000**, 122, 6108-6109	16.4	251
107	Redox control of a ring-opening polymerization catalyst. *Journal of the American Chemical Society*, **2011**, 133, 9278-81	16.4	213
106	Redox control of group 4 metal ring-opening polymerization activity toward L-lactide and caprolactone. *Journal of the American Chemical Society*, **2014**, 136, 11264-7	16.4	200
105	Pursuit of Record Breaking Energy Barriers: A Study of Magnetic Axiality in Diamide Ligated Dy Single-Molecule Magnets. *Journal of the American Chemical Society*, **2017**, 139, 1420-1423	16.4	149
104	Redox control of a polymerization catalyst by changing the oxidation state of the metal center. *Chemical Communications*, **2011**, 47, 9897-9	5.8	125
103	Diuranium inverted sandwiches involving naphthalene and cyclooctatetraene. *Journal of the American Chemical Society*, **2002**, 124, 7660-1	16.4	120
102	A Weak Interaction between Iron and Uranium in Uranium Alkyl Complexes Supported by Ferrocene Diamide Ligands. *Organometallics*, **2008**, 27, 1702-1706	3.8	107
101	Reactions of aromatic N-heterocycles with d0fn-metal alkyl complexes supported by chelating diamide ligands. *Accounts of Chemical Research*, **2010**, 43, 1352-63	24.3	95
100	Redox processes in a uranium bis(1,1diamidoferrocene) complex. *Inorganic Chemistry*, **2007**, 46, 7226-8	5.1	90
99	Facile Synthesis of Trialkoxymolybdenum(VI) Alkylidyne Complexes for Alkyne Metathesis. *Organometallics*, **2000**, 19, 5260-5262	3.8	87
98	Scandium Alkyl Complexes Supported by a Ferrocene Diamide Ligand. *Organometallics*, **2008**, 27, 363-370	3.8	84
97	Ring-opening reactions of aromatic N-heterocycles by scandium and yttrium alkyl complexes. *Journal of the American Chemical Society*, **2008**, 130, 7558-9	16.4	81
96	Synthesis and characterization of cerium and yttrium alkoxide complexes supported by ferrocene-based chelating ligands. *Inorganic Chemistry*, **2011**, 50, 2870-7	5.1	80
95	Cerium(IV) catalysts for the ring-opening polymerization of lactide. *Inorganic Chemistry*, **2009**, 48, 4701-6	5.1	79
94	P4 activation by group 3 metal arene complexes. *Chemical Communications*, **2012**, 48, 2216-8	5.8	74
93	Investigations of the Electronic Structure of Arene-Bridged Diuranium Complexes. *Organometallics*, **2013**, 32, 1341-1352	3.8	73

92	Redox-Switchable Ring-Opening Polymerization with Ferrocene Derivatives. *Accounts of Chemical Research*, **2019**, 52, 415-424	24.3	70
91	Methine (CH) transfer via a chlorine atom abstraction/benzene-elimination strategy: molybdenum methylidyne synthesis and elaboration to a phosphaisocyanide complex. *Journal of the American Chemical Society*, **2002**, 124, 2412-3	16.4	70
90	Intramolecular Crossed [2+2] Photocycloaddition through Visible Light-Induced Energy Transfer. *Journal of the American Chemical Society*, **2017**, 139, 9807-9810	16.4	69
89	Scandium arene inverted-sandwich complexes supported by a ferrocene diamide ligand. *Journal of the American Chemical Society*, **2011**, 133, 10410-3	16.4	69
88	Molecular quadrangle formation from a diuranium η6,η6-toluene complex. *Chemical Communications*, **2011**, 47, 9119-21	5.8	67
87	η6,η6-Arene-bridged diuranium hexakisketimide complexes isolable in two states of charge. *Inorganic Chemistry*, **2012**, 51, 2902-16	5.1	64
86	Inter- and Intramolecular Hydroamination with a Uranium Dialkyl Precursor. *Organometallics*, **2010**, 29, 3242-3251	3.8	61
85	Redox Switchable Copolymerization of Cyclic Esters and Epoxides by a Zirconium Complex. *Macromolecules*, **2016**, 49, 6768-6778	5.5	60
84	Dearomatization reactions of N-heterocycles mediated by group 3 complexes. *Journal of the American Chemical Society*, **2010**, 132, 342-55	16.4	58
83	Uranium–Group 14 Element Single Bonds: Isolation and Characterization of a Uranium(IV) Silyl Species. *Organometallics*, **2001**, 20, 4993-4995	3.8	56
82	Reversible C-C coupling in a uranium biheterocyclic complex. *Journal of the American Chemical Society*, **2010**, 132, 7676-83	16.4	54
81	Beyond C-H activation with uranium: a cascade of reactions mediated by a uranium dialkyl complex. *Angewandte Chemie - International Edition*, **2009**, 48, 8352-5	16.4	52
80	Reactions of group III biheterocyclic complexes. *Journal of the American Chemical Society*, **2009**, 131, 10269-78	16.4	51
79	Redox Control of Aluminum Ring-Opening Polymerization: A Combined Experimental and DFT Investigation. *Macromolecules*, **2017**, 50, 1847-1861	5.5	47
78	High activity of an indium alkoxide complex toward ring opening polymerization of cyclic esters. *Chemical Communications*, **2015**, 51, 9643-6	5.8	47
77	Synthesis and structural studies of chiral indium(III) complexes supported by tridentate diaminophenol ligands. *Inorganic Chemistry*, **2010**, 49, 5444-52	5.1	47
76	Terminal phosphide and dinitrogen molybdenum compounds obtained from pnictide-bridged precursors. *Inorganic Chemistry*, **2001**, 40, 6860-2	5.1	47
75	A six-carbon 10π-electron aromatic system supported by group 3 metals. *Nature Communications*, **2013**, 4, 1448	17.4	45

74	In situ generation of uranium alkyl complexes. *Chemical Communications*, **2010**, 46, 3390-2	5.8	44
73	P4 Activation by Lanthanum and Lutetium Naphthalene Complexes Supported by a Ferrocene Diamide Ligand. *European Journal of Inorganic Chemistry*, **2013**, 2013, 4090-4096	2.3	43
72	Coupling of Aromatic N-Heterocycles Mediated by Group 3 Complexes. *Organometallics*, **2010**, 29, 835-846	3.8	43
71	Organic nitriles from acid chlorides: an isovalent N for (O)CL exchange reaction mediated by a tungsten nitride complex. *Journal of the American Chemical Society*, **2004**, 126, 7742-3	16.4	43
70	Tetraanionic biphenyl lanthanide complexes as single-molecule magnets. *Inorganic Chemistry*, **2015**, 54, 2374-82	5.1	41
69	Palladium(II) and Platinum(II) Compounds of 1,1?-Bis(phosphino)metallocene (M = Fe, Ru) Ligands with Metal□Metal Interactions. *Organometallics*, **2013**, 32, 5966-5979	3.8	41
68	Radical Scission of Symmetrical 1,4-Dicarbonyl Compounds: C□□ Bond Cleavage with Titanium(IV) Enolate Formation and Related Reactions. *Organometallics*, **2002**, 21, 1329-1340	3.8	41
67	Transmetalation reactions of a scandium complex supported by a ferrocene diamide ligand. *Inorganic Chemistry*, **2011**, 50, 978-84	5.1	39
66	Redox-Switchable Hydroelementation of a Cobalt Complex Supported by a Ferrocene-Based Ligand. *Organometallics*, **2016**, 35, 2446-2453	3.8	38
65	d0fN-METAL COMPLEXES SUPPORTED BY FERROCENE-BASED CHELATING LIGANDS. *Comments on Inorganic Chemistry*, **2010**, 31, 196-241	3.9	38
64	Coordination chemistry of a chelating amidoximato ligand. *Inorganic Chemistry*, **2001**, 40, 2892-7	5.1	38
63	A Sterically Demanding Enolate Ligand: Tantalum Ligation and Pyridine Coupling. *Organometallics*, **2004**, 23, 498-503	3.8	36
62	Characterization of an iron-ruthenium interaction in a ferrocene diamide complex. *Inorganic Chemistry*, **2013**, 52, 5603-10	5.1	35
61	Switchable Polymerization of Norbornene Derivatives by a Ferrocene-Palladium(II) Heteroscorpionate Complex. *European Journal of Inorganic Chemistry*, **2016**, 2016, 2634-2640	2.3	34
60	The riches of uranium. *Nature Chemistry*, **2010**, 2, 424	17.6	34
59	Group 3 metal complexes of radical-anionic 2,2?-bipyridyl ligands. *Inorganic Chemistry*, **2010**, 49, 11493-8	5.1	34
58	Reactions of Early Transition Metal □Carbon Bonds with N-Heterocycles. *Current Organic Chemistry*, **2008**, 12, 1388-1405	1.7	34
57	Reactivity and Properties of Metal Complexes Enabled by Flexible and Redox-Active Ligands with a Ferrocene Backbone. *Inorganic Chemistry*, **2016**, 55, 10013-10023	5.1	34

56	Reactions of aromatic heterocycles with uranium alkyl complexes. *Inorganic Chemistry*, **2010**, 49, 7165-9	5.1	33
55	Phosphine-Tethered Carbene Ligands: Template Synthesis and Reactivity of Cyclic and Acyclic Functionalized Carbenes. *Organometallics*, **2010**, 29, 6065-6076	3.8	32
54	Complexes of gold(I), silver(I), and copper(I) with pentaaryl[60]fullerides. *Journal of the American Chemical Society*, **2011**, 133, 6841-51	16.4	32
53	Highly Active Yttrium Catalysts for the Ring-Opening Polymerization of ε-Caprolactone and δ-Valerolactone. *Organometallics*, **2015**, 34, 4700-4706	3.8	31
52	Reactions of Aromatic N-Heterocycles with Yttrium and Lutetium Benzyl Complexes Supported by a Pyridine-Diamide Ligand. *Organometallics*, **2010**, 29, 1222-1230	3.8	31
51	Molybdenum-phosphorus triple bond stabilization by ancillary alkoxide ligation: synthesis and structure of a terminal phosphide tris-1-methylcyclohexanoxide complex. *Journal of the American Chemical Society*, **2003**, 125, 9264-5	16.4	31
50	Mechanistic Studies of Redox-Switchable Copolymerization of Lactide and Cyclohexene Oxide by a Zirconium Complex. *Organometallics*, **2017**, 36, 4451-4457	3.8	29
49	Insertion reactions of scandium pyridyl complexes supported by a ferrocene diamide ligand. *Journal of Alloys and Compounds*, **2009**, 488, 518-523	5.7	28
48	A Comparison of Gallium and Indium Alkoxide Complexes as Catalysts for Ring-Opening Polymerization of Lactide. *Inorganic Chemistry*, **2017**, 56, 1375-1385	5.1	27
47	Synthesis, characterization, and anticancer activity of Schiff bases. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 3246-3259	3.6	27
46	An unusual hydrogen migration/C-H activation reaction with group 3 metals. *Journal of the American Chemical Society*, **2011**, 133, 4680-3	16.4	25
45	On the mechanism of the conversion of methanol to 2,2,3-trimethylbutane (triptane) over zinc iodide. *Journal of Organic Chemistry*, **2006**, 71, 8907-17	4.2	25
44	Investigation of the Electronic Structure of Mono(1,1?-Diamidoferrocene) Uranium(IV) Complexes. *Organometallics*, **2013**, 32, 6012-6021	3.8	24
43	Synthesis and Characterization of Paramagnetic Lanthanide Benzyl Complexes. *Organometallics*, **2013**, 32, 1379-1386	3.8	24
42	Investigation of redox switchable titanium and zirconium catalysts for the ring opening polymerization of cyclic esters and epoxides. *Inorganic Chemistry Frontiers*, **2017**, 4, 1798-1805	6.8	24
41	Switchable Ring-Opening Polymerization by a Ferrocene Supported Aluminum Complex. *ChemCatChem*, **2019**, 11, 4210-4218	5.2	23
40	Group 3 metal stilbene complexes: synthesis, reactivity, and electronic structure studies. *Chemical Communications*, **2014**, 50, 5221-3	5.8	23
39	Aromatic C–H Bond Activation by Rare-Earth-Metal Complexes. *Organometallics*, **2017**, 36, 89-96	3.8	23

38	Reactions of Imidazoles with Electrophilic Metal Alkyl Complexes. *Organometallics*, **2010**, 29, 2272-2281	3.8	22
37	Rare-earth metal □-complexes of reduced arenes, alkenes, and alkynes: bonding, electronic structure, and comparison with actinides and other electropositive metals. *Dalton Transactions*, **2015**, 44, 15360-71	4.3	21
36	Ferrocene-bis(phosphinimine) Nickel(II) and Palladium(II) Alkyl Complexes: Influence of the Fe⋯M (M = Ni and Pd) Interaction on Redox Activity and Olefin Coordination. *Organometallics*, **2017**, 36, 4394-4402	3.8	21
35	Bimetallic cleavage of aromatic C-H bonds by rare-earth-metal complexes. *Journal of the American Chemical Society*, **2014**, 136, 17410-3	16.4	21
34	Reactions of aromatic N-heterocycles with a lutetium benzyl complex supported by a ferrocene-diamide ligand. *Dalton Transactions*, **2010**, 39, 6726-31	4.3	21
33	Synthesis and characterization of ferrocene-chelating heteroscorpionate complexes of nickel(II) and zinc(II). *Inorganic Chemistry*, **2015**, 54, 1778-84	5.1	20
32	Radical anionic versus neutral 2,2?-bipyridyl coordination in uranium complexes supported by amide and ketimide ligands. *Dalton Transactions*, **2015**, 44, 2676-83	4.3	20
31	A mechanistic study of cross-coupling reactions catalyzed by palladium nanoparticles supported on polyaniline nanofibers. *Inorganic Chemistry Frontiers*, **2015**, 2, 35-41	6.8	18
30	Preparation of multiblock copolymers step-wise addition of l-lactide and trimethylene carbonate. *Chemical Science*, **2018**, 9, 2168-2178	9.4	18
29	Yttrium-Alkyl Complexes Supported by a Ferrocene-Based Phosphinimine Ligand. *Organometallics*, **2015**, 34, 2567-2572	3.8	17
28	Conversion of methanol to 2,2,3-trimethylbutane (triptane) over indium(III) iodide. *Inorganic Chemistry*, **2007**, 46, 11371-80	5.1	17
27	Investigation of a zirconium compound for redox switchable ring opening polymerization. *Dalton Transactions*, **2019**, 48, 2996-3002	4.3	16
26	Structural, Computational, and Spectroscopic Investigation of [Pd(□-1,1?-bis(di-tert-butylphosphino)ferrocenediyl)X]+ (X = Cl, Br, I) Compounds. *Organometallics*, **2016**, 35, 462-470	3.8	16
25	An experimental and computational study of 1,1?-ferrocene diamines. *Polyhedron*, **2013**, 52, 377-388	2.7	16
24	Ring opening of aromatic heterocycles by uranium complexes. *Journal of Organometallic Chemistry*, **2010**, 695, 2822-2826	2.3	16
23	Synthesis of ferrocene-functionalized monomers for biodegradable polymer formation. *Inorganic Chemistry Frontiers*, **2014**, 1, 271	6.8	15
22	CH Bond Activation of Hydrocarbons Mediated by Rare-Earth Metals and Actinides. *Advances in Organometallic Chemistry*, **2015**, 41-75	3.8	14
21	Transfer hydrogenation with a ferrocene diamide ruthenium complex. *Dalton Transactions*, **2012**, 41, 7852-4	4.3	14

20	Geometry Change in a Series of Zirconium Compounds during Lactide Ring-Opening Polymerization. *Organometallics*, **2018**, 37, 4040-4047	3.8	14
19	Reduction of Diphenylacetylene Mediated by Rare-Earth Ferrocene Diamide Complexes. *Organometallics*, **2017**, 36, 4643-4648	3.8	13
18	Zirconium complexes supported by a ferrocene-based ligand as redox switches for hydroamination reactions. *Chemical Communications*, **2019**, 55, 5587-5590	5.8	13
17	Theoretical insight into the redox-switchable activity of group 4 metal complexes for the ring-opening polymerization of ε-caprolactone. *Inorganic Chemistry Frontiers*, **2020**, 7, 961-971	6.8	13
16	Synthesis and Characterization of Single-Phase Metal Dodecaboride Solid Solutions: ZrY B and ZrU B. *Journal of the American Chemical Society*, **2019**, 141, 9047-9062	16.4	11
15	Arene-Bridged Dithorium Complexes: Inverse Sandwiches Supported by a δ Bonding Interaction. *Journal of the American Chemical Society*, **2020**, 142, 21292-21297	16.4	11
14	In situ synthesis of lanthanide complexes supported by a ferrocene diamide ligand: extension to redox-active lanthanide ions. *New Journal of Chemistry*, **2015**, 39, 7696-7702	3.6	10
13	Monodentate phosphine substitution in [Pd(κ-dppf)(PR)][BF] (dppf = 1,1′-bis(diphenylphosphino)ferrocene) compounds. *Dalton Transactions*, **2017**, 46, 5702-5710	4.3	9
12	Computational mapping of redox-switchable metal complexes based on ferrocene derivatives. *Chemical Communications*, **2019**, 55, 7021-7024	5.8	9
11	Visible-light-induced reversible C–C bond formation of an imidazole-derived scandium complex. *Inorganica Chimica Acta*, **2012**, 380, 274-277	2.7	9
10	Synthesis of symmetrically and unsymmetrically 3,5-dimethylbenzyl-substituted 1,1?-ferrocene diamines. *Journal of Organometallic Chemistry*, **2011**, 696, 4090-4094	2.3	9
9	Exploring Oxidation State-Dependent Selectivity in Polymerization of Cyclic Esters and Carbonates with Zinc(II) Complexes. *IScience*, **2018**, 7, 120-131	6.1	9
8	Distinct electronic structures and bonding interactions in inverse-sandwich samarium and ytterbium biphenyl complexes. *Chemical Science*, **2020**, 12, 227-238	9.4	6
7	Developing a Virtual Reality Approach toward a Better Understanding of Coordination Chemistry and Molecular Orbitals. *Journal of Chemical Education*, **2020**, 97, 3647-3651	2.4	5
6	Triorganotin (IV) carboxylates as potential anticancer agents: Their synthesis, physiochemical characterization, and cytotoxic activity against HeLa and MCF-7 cancer cells. *Applied Organometallic Chemistry*, **2021**, 35, e6165	3.1	3
5	ABC and ABAB Block Copolymers by Electrochemically Controlled Ring-Opening Polymerization. *Journal of the American Chemical Society*, **2021**, 143, 19802-19808	16.4	2
4	A generalized kinetic model for compartmentalization of organometallic catalysis.. *Chemical Science*, **2022**, 13, 1101-1110	9.4	2
3	New triorganotin(iv) compounds with aromatic carboxylate ligands: synthesis and evaluation of the pro-apoptotic mechanism.. *RSC Advances*, **2021**, 11, 4499-4514	3.7	2

2	A switchable dimeric yttrium complex and its three catalytic states in ring opening polymerization. *Inorganic Chemistry Frontiers*, **2021**, 8, 2088-2096	6.8	1
1	A photoswitchable organocatalyst controls trimethylene carbonate and δ-valerolactone copolymerization. *Science Bulletin*, **2018**, 63, 1460-1461	10.6	0