

Paula Diaconescu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	A generalized kinetic model for compartmentalization of organometallic catalysis.. <i>Chemical Science</i> , 2022 , 13, 1101-1110	9.4	2
108	ABC and ABAB Block Copolymers by Electrochemically Controlled Ring-Opening Polymerization. <i>Journal of the American Chemical Society</i> , 2021 , 143, 19802-19808	16.4	2
107	New triorganotin(IV) compounds with aromatic carboxylate ligands: synthesis and evaluation of the pro-apoptotic mechanism.. <i>RSC Advances</i> , 2021 , 11, 4499-4514	3.7	2
106	Triorganotin (IV) carboxylates as potential anticancer agents: Their synthesis, physicochemical characterization, and cytotoxic activity against HeLa and MCF-7 cancer cells. <i>Applied Organometallic Chemistry</i> , 2021 , 35, e6165	3.1	3
105	A switchable dimeric yttrium complex and its three catalytic states in ring opening polymerization. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 2088-2096	6.8	1
104	Arene-Bridged Dithorium Complexes: Inverse Sandwiches Supported by a π -Bonding Interaction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 21292-21297	16.4	11
103	Theoretical insight into the redox-switchable activity of group 4 metal complexes for the ring-opening polymerization of ϵ -caprolactone. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 961-971	6.8	13
102	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	2.4	5
101	Synthesis, characterization, and anticancer activity of Schiff bases. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 3246-3259	3.6	27
100	Distinct electronic structures and bonding interactions in inverse-sandwich samarium and ytterbium biphenyl complexes. <i>Chemical Science</i> , 2020 , 12, 227-238	9.4	6
99	Redox-Switchable Ring-Opening Polymerization with Ferrocene Derivatives. <i>Accounts of Chemical Research</i> , 2019 , 52, 415-424	24.3	70
98	Computational mapping of redox-switchable metal complexes based on ferrocene derivatives. <i>Chemical Communications</i> , 2019 , 55, 7021-7024	5.8	9
97	Synthesis and Characterization of Single-Phase Metal Dodecaboride Solid Solutions: ZrY B and ZrU B. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9047-9062	16.4	11
96	Zirconium complexes supported by a ferrocene-based ligand as redox switches for hydroamination reactions. <i>Chemical Communications</i> , 2019 , 55, 5587-5590	5.8	13
95	Investigation of a zirconium compound for redox switchable ring opening polymerization. <i>Dalton Transactions</i> , 2019 , 48, 2996-3002	4.3	16
94	Switchable Ring-Opening Polymerization by a Ferrocene Supported Aluminum Complex. <i>ChemCatChem</i> , 2019 , 11, 4210-4218	5.2	23
93	Preparation of multiblock copolymers step-wise addition of L-lactide and trimethylene carbonate. <i>Chemical Science</i> , 2018 , 9, 2168-2178	9.4	18

92	A photoswitchable organocatalyst controls trimethylene carbonate and ϵ -valerolactone copolymerization. <i>Science Bulletin</i> , 2018 , 63, 1460-1461	10.6	0
91	Geometry Change in a Series of Zirconium Compounds during Lactide Ring-Opening Polymerization. <i>Organometallics</i> , 2018 , 37, 4040-4047	3.8	14
90	Exploring Oxidation State-Dependent Selectivity in Polymerization of Cyclic Esters and Carbonates with Zinc(II) Complexes. <i>IScience</i> , 2018 , 7, 120-131	6.1	9
89	A Comparison of Gallium and Indium Alkoxide Complexes as Catalysts for Ring-Opening Polymerization of Lactide. <i>Inorganic Chemistry</i> , 2017 , 56, 1375-1385	5.1	27
88	Pursuit of Record Breaking Energy Barriers: A Study of Magnetic Axiality in Diamide Ligated Dy Single-Molecule Magnets. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1420-1423	16.4	149
87	Redox Control of Aluminum Ring-Opening Polymerization: A Combined Experimental and DFT Investigation. <i>Macromolecules</i> , 2017 , 50, 1847-1861	5.5	47
86	Monodentate phosphine substitution in [Pd(η -dppf)(PR)] ⁺ [BF ₄ ⁻] (dppf = 1,1'-bis(diphenylphosphino)ferrocene) compounds. <i>Dalton Transactions</i> , 2017 , 46, 5702-5710	4.3	9
85	Reduction of Diphenylacetylene Mediated by Rare-Earth Ferrocene Diamide Complexes. <i>Organometallics</i> , 2017 , 36, 4643-4648	3.8	13
84	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	6.8	24
83	Ferrocene-bis(phosphinimine) Nickel(II) and Palladium(II) Alkyl Complexes: Influence of the FeM (M = Ni and Pd) Interaction on Redox Activity and Olefin Coordination. <i>Organometallics</i> , 2017 , 36, 4394-4402	3.8	21
82	Mechanistic Studies of Redox-Switchable Copolymerization of Lactide and Cyclohexene Oxide by a Zirconium Complex. <i>Organometallics</i> , 2017 , 36, 4451-4457	3.8	29
81	Intramolecular Crossed [2+2] Photocycloaddition through Visible Light-Induced Energy Transfer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9807-9810	16.4	69
80	Aromatic C-H Bond Activation by Rare-Earth-Metal Complexes. <i>Organometallics</i> , 2017 , 36, 89-96	3.8	23
79	Switchable Polymerization of Norbornene Derivatives by a Ferrocene-Palladium(II) Heteroscorpionate Complex. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 2634-2640	2.3	34
78	Redox-Switchable Hydroelementation of a Cobalt Complex Supported by a Ferrocene-Based Ligand. <i>Organometallics</i> , 2016 , 35, 2446-2453	3.8	38
77	Structural, Computational, and Spectroscopic Investigation of [Pd(β -1,1'-bis(di-tert-butylphosphino)ferrocenediyl)X] ⁺ (X = Cl, Br, I) Compounds. <i>Organometallics</i> , 2016 , 35, 462-470	3.8	16
76	Redox Switchable Copolymerization of Cyclic Esters and Epoxides by a Zirconium Complex. <i>Macromolecules</i> , 2016 , 49, 6768-6778	5.5	60
75	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	5.1	34

74	Synthesis and characterization of ferrocene-chelating heteroscorpionate complexes of nickel(II) and zinc(II). <i>Inorganic Chemistry</i> , 2015 , 54, 1778-84	5.1	20
73	Tetraanionic biphenyl lanthanide complexes as single-molecule magnets. <i>Inorganic Chemistry</i> , 2015 , 54, 2374-82	5.1	41
72	Yttrium-Alkyl Complexes Supported by a Ferrocene-Based Phosphinimine Ligand. <i>Organometallics</i> , 2015 , 34, 2567-2572	3.8	17
71	Rare-earth metal complexes of reduced arenes, alkenes, and alkynes: bonding, electronic structure, and comparison with actinides and other electropositive metals. <i>Dalton Transactions</i> , 2015 , 44, 15360-71	4.3	21
70	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	3.6	10
69	Highly Active Yttrium Catalysts for the Ring-Opening Polymerization of ϵ -Caprolactone and δ -Valerolactone. <i>Organometallics</i> , 2015 , 34, 4700-4706	3.8	31
68	Radical anionic versus neutral 2,2'-bipyridyl coordination in uranium complexes supported by amide and ketimide ligands. <i>Dalton Transactions</i> , 2015 , 44, 2676-83	4.3	20
67	A mechanistic study of cross-coupling reactions catalyzed by palladium nanoparticles supported on polyaniline nanofibers. <i>Inorganic Chemistry Frontiers</i> , 2015 , 2, 35-41	6.8	18
66	C-H Bond Activation of Hydrocarbons Mediated by Rare-Earth Metals and Actinides. <i>Advances in Organometallic Chemistry</i> , 2015 , 41-75	3.8	14
65	High activity of an indium alkoxide complex toward ring opening polymerization of cyclic esters. <i>Chemical Communications</i> , 2015 , 51, 9643-6	5.8	47
64	Synthesis of ferrocene-functionalized monomers for biodegradable polymer formation. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 271	6.8	15
63	Group 3 metal stilbene complexes: synthesis, reactivity, and electronic structure studies. <i>Chemical Communications</i> , 2014 , 50, 5221-3	5.8	23
62	Redox control of group 4 metal ring-opening polymerization activity toward L-lactide and ϵ -caprolactone. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11264-7	16.4	200
61	Bimetallic cleavage of aromatic C-H bonds by rare-earth-metal complexes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17410-3	16.4	21
60	An experimental and computational study of 1,1'-ferrocene diamines. <i>Polyhedron</i> , 2013 , 52, 377-388	2.7	16
59	Investigation of the Electronic Structure of Mono(1,1'-Diamidoferrocene) Uranium(IV) Complexes. <i>Organometallics</i> , 2013 , 32, 6012-6021	3.8	24
58	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	3.8	41
57	A six-carbon 10 π -electron aromatic system supported by group 3 metals. <i>Nature Communications</i> , 2013 , 4, 1448	17.4	45

56	Synthesis and Characterization of Paramagnetic Lanthanide Benzyl Complexes. <i>Organometallics</i> , 2013 , 32, 1379-1386	3.8	24
55	Investigations of the Electronic Structure of Arene-Bridged Diuranium Complexes. <i>Organometallics</i> , 2013 , 32, 1341-1352	3.8	73
54	Characterization of an iron-ruthenium interaction in a ferrocene diamide complex. <i>Inorganic Chemistry</i> , 2013 , 52, 5603-10	5.1	35
53	P4 Activation by Lanthanum and Lutetium Naphthalene Complexes Supported by a Ferrocene Diamide Ligand. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 4090-4096	2.3	43
52	P4 activation by group 3 metal arene complexes. <i>Chemical Communications</i> , 2012 , 48, 2216-8	5.8	74
51	Transfer hydrogenation with a ferrocene diamide ruthenium complex. <i>Dalton Transactions</i> , 2012 , 41, 7852-4	4.3	14
50	η^5, η^5 -Arene-bridged diuranium hexakis(amide) complexes isolable in two states of charge. <i>Inorganic Chemistry</i> , 2012 , 51, 2902-16	5.1	64
49	Visible-light-induced reversible C–N bond formation of an imidazole-derived scandium complex. <i>Inorganica Chimica Acta</i> , 2012 , 380, 274-277	2.7	9
48	Scandium arene inverted-sandwich complexes supported by a ferrocene diamide ligand. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10410-3	16.4	69
47	Redox control of a ring-opening polymerization catalyst. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9278-81	16.4	213
46	Synthesis of symmetrically and unsymmetrically 3,5-dimethylbenzyl-substituted 1,1'-ferrocene diamines. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 4090-4094	2.3	9
45	Molecular quadrangle formation from a diuranium η^5, η^5 -toluene complex. <i>Chemical Communications</i> , 2011 , 47, 9119-21	5.8	67
44	Redox control of a polymerization catalyst by changing the oxidation state of the metal center. <i>Chemical Communications</i> , 2011 , 47, 9897-9	5.8	125
43	Transmetalation reactions of a scandium complex supported by a ferrocene diamide ligand. <i>Inorganic Chemistry</i> , 2011 , 50, 978-84	5.1	39
42	Complexes of gold(I), silver(I), and copper(I) with pentaaryl[60]fullerides. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6841-51	16.4	32
41	Synthesis and characterization of cerium and yttrium alkoxide complexes supported by ferrocene-based chelating ligands. <i>Inorganic Chemistry</i> , 2011 , 50, 2870-7	5.1	80
40	An unusual hydrogen migration/C-H activation reaction with group 3 metals. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4680-3	16.4	25
39	The riches of uranium. <i>Nature Chemistry</i> , 2010 , 2, 424	17.6	34

- 38 Dearomatization reactions of N-heterocycles mediated by group 3 complexes. *Journal of the American Chemical Society*, **2010**, 132, 342-55 16.4 58
- 37 Reactions of Imidazoles with Electrophilic Metal Alkyl Complexes. *Organometallics*, **2010**, 29, 2272-2281 3.8 22
- 36 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
- 35 Group 3 metal complexes of radical-anionic 2,2'-bipyridyl ligands. *Inorganic Chemistry*, **2010**, 49, 11493-8 5.1 34
- 34 Reactions of aromatic heterocycles with uranium alkyl complexes. *Inorganic Chemistry*, **2010**, 49, 7165-9 5.1 33
- 33 Reversible C-C coupling in a uranium biheterocyclic complex. *Journal of the American Chemical Society*, **2010**, 132, 7676-83 16.4 54
- 32 Inter- and Intramolecular Hydroamination with a Uranium Dialkyl Precursor. *Organometallics*, **2010**, 29, 3242-3251 3.8 61
- 31 Coupling of Aromatic N-Heterocycles Mediated by Group 3 Complexes. *Organometallics*, **2010**, 29, 835-848 3.8 43
- 30 Synthesis and structural studies of chiral indium(III) complexes supported by tridentate diaminophenol ligands. *Inorganic Chemistry*, **2010**, 49, 5444-52 5.1 47
- 29 In situ generation of uranium alkyl complexes. *Chemical Communications*, **2010**, 46, 3390-2 5.8 44
- 28 Phosphine-Tethered Carbene Ligands: Template Synthesis and Reactivity of Cyclic and Acyclic Functionalized Carbenes. *Organometallics*, **2010**, 29, 6065-6076 3.8 32
- 27 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
- 26 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
- 25 d⁰FN-METAL COMPLEXES SUPPORTED BY FERROCENE-BASED CHELATING LIGANDS. *Comments on Inorganic Chemistry*, **2010**, 31, 196-241 3.9 38
- 24 Ring opening of aromatic heterocycles by uranium complexes. *Journal of Organometallic Chemistry*, **2010**, 695, 2822-2826 2.3 16
- 23 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
- 22 Reactions of group III biheterocyclic complexes. *Journal of the American Chemical Society*, **2009**, 131, 10269-78 16.4 51
- 21 Insertion reactions of scandium pyridyl complexes supported by a ferrocene diamide ligand. *Journal of Alloys and Compounds*, **2009**, 488, 518-523 5.7 28

20	Cerium(IV) catalysts for the ring-opening polymerization of lactide. <i>Inorganic Chemistry</i> , 2009 , 48, 4701-6	5.1	79
19	Scandium Alkyl Complexes Supported by a Ferrocene Diamide Ligand. <i>Organometallics</i> , 2008 , 27, 363-370	3.8	84
18	A Weak Interaction between Iron and Uranium in Uranium Alkyl Complexes Supported by Ferrocene Diamide Ligands. <i>Organometallics</i> , 2008 , 27, 1702-1706	3.8	107
17	Ring-opening reactions of aromatic N-heterocycles by scandium and yttrium alkyl complexes. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7558-9	16.4	81
16	Reactions of Early Transition Metal π -Carbon Bonds with N-Heterocycles. <i>Current Organic Chemistry</i> , 2008 , 12, 1388-1405	1.7	34
15	Conversion of methanol to 2,2,3-trimethylbutane (triptane) over indium(III) iodide. <i>Inorganic Chemistry</i> , 2007 , 46, 11371-80	5.1	17
14	Palladium nanoparticles supported on polyaniline nanofibers as a semi-heterogeneous catalyst in water. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7251-4	16.4	390
13	Redox processes in a uranium bis(1,1'-ferrocene) complex. <i>Inorganic Chemistry</i> , 2007 , 46, 7226-8	5.1	90
12	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, 8907-17	4.2	25
11	A Sterically Demanding Enolate Ligand: Tantalum Ligation and Pyridine Coupling. <i>Organometallics</i> , 2004 , 23, 498-503	3.8	36
10	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, 7742-3	16.4	43
9	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, 9264-5	16.4	31
8	Diuranium inverted sandwiches involving naphthalene and cyclooctatetraene. <i>Journal of the American Chemical Society</i> , 2002 , 124, 7660-1	16.4	120
7	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	3.8	41
6	Methine (CH) transfer via a chlorine atom abstraction/benzene-elimination strategy: molybdenum methyldiyne synthesis and elaboration to a phosphaisocyanide complex. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2412-3	16.4	70
5	Terminal phosphide and dinitrogen molybdenum compounds obtained from pnictide-bridged precursors. <i>Inorganic Chemistry</i> , 2001 , 40, 6860-2	5.1	47
4	Coordination chemistry of a chelating amidoximato ligand. <i>Inorganic Chemistry</i> , 2001 , 40, 2892-7	5.1	38
3	Uranium-Group 14 Element Single Bonds: Isolation and Characterization of a Uranium(IV) Silyl Species. <i>Organometallics</i> , 2001 , 20, 4993-4995	3.8	56

- 2 Facile Synthesis of Trialkoxymolybdenum(VI) Alkylidyne Complexes for Alkyne Metathesis. *Organometallics*, **2000**, 19, 5260-5262 3.8 87
- 1 Arene-Bridged Diuranium Complexes: Inverted Sandwiches Supported by π Backbonding. *Journal of the American Chemical Society*, **2000**, 122, 6108-6109 16.4 251