## Samuel Dagorne

List of Publications by Year in descending order

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70961 114278 4,499 107 41 63 citations h-index g-index papers 125 125 125 3093 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Twoâ€Coordinate NHCâ€Supported Zn <sup>II</sup> Organocations: Steric and Electronic Tunability and Use in Alkyne Hydroboration Catalysis. European Journal of Inorganic Chemistry, 2022, 2022, .	1.0	3
2	Cationic organometallic complexes of group 12 metals: A decade of progress toward the quest of novel Lewis acidic catalysts. Coordination Chemistry Reviews, 2022, 469, 214647.	9.5	4
3	Towards Naked Zinc(II) in the Condensed Phase: A Highly Lewis Acidic Zn <sup>II</sup> Dication Stabilized by Weakly Coordinating Carborate Anions. Angewandte Chemie, 2021, 133, 2112-2116.	1.6	4
4	Towards Naked Zinc(II) in the Condensed Phase: A Highly Lewis Acidic Zn <sup>II</sup> Dication Stabilized by Weakly Coordinating Carborate Anions. Angewandte Chemie - International Edition, 2021, 60, 2084-2088.	7.2	16
5	NHC-stabilized Al(III) and Ga(III) cationic alkyls: Synthesis, structure and use in hydrosilylation catalysis. Polyhedron, 2021, 194, 114956.	1.0	14
6	Organo-catalyzed/initiated ring opening co-polymerization of cyclic anhydrides and epoxides: an emerging story. Polymer Chemistry, 2021, 12, 2932-2946.	1.9	34
7	Metal Complexes as Catalysts/Moderators for Polymerization Reactions. , 2021, , 410-464.		3
8	Recent Representative Advances on the Synthesis and Reactivity of ⟨i⟩N⟨/i⟩â€Heterocyclic arbeneâ€Supported Zinc Complexes. Chemical Record, 2021, 21, 1130-1143.	2.9	14
9	Great enhancement of mechanical features in <scp>PLA</scp> based composites containing aligned few layer graphene ( <scp>FLG</scp> ), the effect of <scp>FLG</scp> loading, size, and dispersion on mechanical and thermal properties. Journal of Applied Polymer Science, 2021, 138, 51300.	1.3	8
10	Recent progress on NHC-stabilized early transition metal (group 3–7) complexes: Synthesis and applications. Coordination Chemistry Reviews, 2020, 422, 213411.	9.5	52
11	Exploring the Limits of Ï€â€Acid Catalysis Using Strongly Electrophilic Main Group Metal Complexes: The Case of Zinc and Aluminium. Chemistry - A European Journal, 2020, 26, 12831-12838.	1.7	18
12	Phosphasalen group IV metal complexes: synthesis, characterization and ring opening polymerization of lactide. Dalton Transactions, 2020, 49, 6989-7004.	1.6	13
13	Acetate-catalyzed hydroboration of CO <sub>2</sub> for the selective formation of methanol-equivalent products. Catalysis Science and Technology, 2020, 10, 2407-2414.	2.1	10
14	Controlled and highly effective ringâ€opening polymerization of αâ€chloroâ€Îµâ€caprolactone using Zn―and Alâ€based catalysts. Journal of Polymer Science, 2020, 58, 1197-1206.	2.0	5
15	Synthesis and Characterization of Neutral and Cationic Magnesium Complexes Supported by NHC Ligands. Organometallics, 2019, 38, 2748-2757.	1.1	12
16	Phenoxyamidine Zn and Al Complexes: Synthesis, Characterization, and Use in the Ring-Opening Polymerization of Lactide. Organometallics, 2019, 38, 4147-4157.	1.1	16
17	Organometal-catalyzed synthesis of high molecular weight poly-( <scp> </scp> -lactic acid) with a covalently attached imidazolium salt: performance-enhanced reduced graphene oxide–PLLA biomaterials. New Journal of Chemistry, 2019, 43, 16367-16373.	1.4	6
18	Cyclic(Alkyl)(Amino)Carbene (CAAC)â€6upported Zn Alkyls: Synthesis, Structure and Reactivity in Hydrosilylation Catalysis. Chemistry - A European Journal, 2019, 25, 8061-8069.	1.7	28

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19	Zinc bis-pyrrolide-imine complexes: Synthesis, structure and application in ring-opening polymerization of rac-lactide. Journal of Organometallic Chemistry, 2018, 863, 95-101.	0.8	13
20	Recent Developments on the Use of Group 13 Metal Complexes in Catalysis. ChemCatChem, 2018, 10, 2509-2520.	1.8	94
21	Sterically Bulky NHC Adducts of GaMe3 and InMe3 for H2 Activation and Lactide Polymerization. Inorganics, 2018, 6, 23.	1.2	8
22	Recent Developments on N-Heterocyclic Carbene Supported Zinc Complexes: Synthesis and Use in Catalysis. Synthesis, 2018, 50, 3662-3670.	1.2	48
23	Low valent Al( <scp>ii</scp> )–Al( <scp>ii</scp> ) catalysts as highly active ε-caprolactone polymerization catalysts: indication of metal cooperativity through DFT studies. Dalton Transactions, 2018, 47, 13800-13808.	1.6	35
24	Synthesis, Characterization and Catalytic Activity of NHC Gold(I) Polyoxometalate Complexes. Chemistry - A European Journal, 2018, 24, 12630-12637.	1.7	11
25	Nâ∈Heterocyclic Carbene Based Triâ€organylâ€Zn–Alkyl Cations: Synthesis, Structures, and Use in CO <sub>2</sub> Functionalization. Chemistry - A European Journal, 2017, 23, 5509-5519.	1.7	43
26	Bifunctional Squaramides as Organocatalysts for Lactide Polymerization: Catalytic Performance and Comparison with Monofunctional Analogues. ChemCatChem, 2017, 9, 3041-3046.	1.8	16
27	Accessing Twoâ€Coordinate Zn <sup>II</sup> Organocations by NHC Coordination: Synthesis, Structure, and Use as Ï€â€Lewis Acids in Alkene, Alkyne, and CO <sub>2</sub> Hydrosilylation. Chemistry - A European Journal, 2017, 23, 15908-15912.	1.7	56
28	Mononuclear salen-gallium complexes for iso-selective ring-opening polymerization (ROP) of rac-lactide. Dalton Transactions, 2017, 46, 12824-12834.	1.6	21
29	Group 13 metal (Al, Ga, In) alkyls supported by N -heterocyclic carbenes for use in lactide ring-opening polymerization catalysis. Catalysis Today, 2017, 289, 204-210.	2.2	28
30	Deprotonation of Al <sub>2</sub> Me <sub>6</sub> by Sterically Bulky NHCs: Scope, Rationale through DFT Studies, and Application in the Methylenation of Carbonyl Substrates. Organometallics, 2016, 35, 1726-1734.	1.1	8
31	Synthesis and structural characterization of NHC-stabilized Al(III) and Ga(III) alkyl cations and use in the ring-opening polymerization of lactide. Journal of Organometallic Chemistry, 2016, 820, 8-13.	0.8	18
32	Multitask Imidazolium Salt Additives for Innovative Poly( <scp>l</scp> -lactide) Biomaterials: Morphology Control, <i>Candida</i> spp. Biofilm Inhibition, Human Mesenchymal Stem Cell Biocompatibility, and Skin Tolerance. ACS Applied Materials & Emp; Interfaces, 2016, 8, 21163-21176.	4.0	23
33	Normalâ€toâ€Abnormal NHC Rearrangement of Al <sup>III</sup> , Ga <sup>III</sup> , and In <sup>III</sup> Trialkyl Complexes: Scope, Mechanism, Reactivity Studies, and H <sub>2</sub> Activation. Chemistry - A European Journal, 2015, 21, 17959-17972.	1.7	61
34	P,O-Phosphinophenolate zinc( $<$ scp $>$ ii $<$ /scp $>$ ) species: synthesis, structure and use in the ring-opening polymerization (ROP) of lactide, $\hat{l}\mu$ -caprolactone and trimethylene carbonate. Dalton Transactions, 2015, 44, 12376-12387.	1.6	56
35	Unusual Benzyl Migration Reactivity in NHC-Bearing Group 4 Metal Chelates: Synthesis, Characterization, and Mechanistic Investigations. Organometallics, 2015, 34, 4854-4863.	1.1	25
36	Dinuclear Zinc–Nâ€Heterocyclic Carbene Complexes for Either the Controlled Ringâ€Opening Polymerization of Lactide or the Controlled Degradation of Polylactide Under Mild Conditions. ChemCatChem, 2014, 6, 1357-1367.	1.8	33

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37	Group 13 metal (Al, Ga, In, Tl) complexes supported by heteroatom-bonded carbene ligands. Coordination Chemistry Reviews, 2014, 275, 63-86.	9.5	91
38	Group 1 and 2 and Early Transition Metal Complexes Bearing N-Heterocyclic Carbene Ligands: Coordination Chemistry, Reactivity, and Applications. Chemical Reviews, 2014, 114, 8747-8774.	23.0	278
39	Redox and Luminescent Properties of Robust and Air-Stable N-Heterocyclic Carbene Group 4 Metal Complexes. Inorganic Chemistry, 2014, 53, 7371-7376.	1.9	52
40	Controlled ringâ€opening polymerization of trimethylene carbonate and access to PTMCâ€PLA block copolymers mediated by wellâ€defined <i>N</i> â€heterocyclic carbene zinc alkoxides. Applied Organometallic Chemistry, 2014, 28, 504-511.	1.7	40
41	Tridentate Complexes of Group 10 Bearing Bis-Aryloxide N-Heterocyclic Carbene Ligands: Synthesis, Structural, Spectroscopic, and Computational Characterization. Organometallics, 2014, 33, 4374-4384.	1.1	45
42	NHC Bis-Phenolate Aluminum Chelates: Synthesis, Structure, and Use in Lactide and Trimethylene Carbonate Polymerization. Organometallics, 2014, 33, 5730-5739.	1.1	47
43	Combining NHC bis-Phenolate Ligands with Oxophilic Metal Centers: A Powerful Approach for the Development of Robust and Highly Effective Organometallic Catalysts. Chimia, 2014, 68, 500.	0.3	6
44	Synthesis of Transition-Metal Steroid Derivatives. Chemical Reviews, 2013, 113, 7793-7850.	23.0	43
45	Structural, magnetic and optical properties of an Fe <sup>III</sup> dimer bridged by the meridional planar divergent N,N′-bis(salicyl)hydrazide and its photo- and electro-chemistry in solution. Dalton Transactions, 2013, 42, 1406-1416.	1.6	12
46	Synthesis and Structural Characterization of Various N,O,N-Chelated Aluminum and Gallium Complexes for the Efficient ROP of Cyclic Esters and Carbonates: How Do Aluminum and Gallium Derivatives Compare?. Organometallics, 2013, 32, 587-598.	1.1	91
47	Structurally well-defined group 4 metal complexes as initiators for the ring-opening polymerization of lactide monomers. Dalton Transactions, 2013, 42, 9007.	1.6	263
48	Gallium and indium complexes for ring-opening polymerization of cyclic ethers, esters and carbonates. Coordination Chemistry Reviews, 2013, 257, 1869-1886.	9.5	190
49	Neutral and Cationic N-Heterocyclic Carbene Zirconium and Hafnium Benzyl Complexes: Highly Regioselective Oligomerization of 1-Hexene with a Preference for Trimer Formation. Organometallics, 2013, 32, 2736-2743.	1.1	53
50	Neutral and Cationic Nâ€Heterocyclic Carbene Zinc Adducts and the BnOH/Zn(C <sub>6</sub> F <sub>5</sub> ) <sub>2</sub> Binary Mixture – Characterization and Use in the Ringâ€Opening Polymerization of βâ€Butyrolactone, Lactide, and Trimethylene Carbonate. European Journal of Inorganic Chemistry, 2013, 2013, 3699-3709.	1.0	64
51	A robust zirconium N-heterocyclic carbene complex for the living and highly stereoselective ring-opening polymerization of rac-lactide. Chemical Communications, 2012, 48, 2213.	2.2	117
52	Synthesis and structural characterization of novel cyclam-based zirconium complexes and their use in the controlled ROP of rac-lactide: access to cyclam-functionalized polylactide materials. Dalton Transactions, 2012, 41, 14288.	1.6	26
53	Highly active zinc alkyl cations for the controlled and immortal ring-opening polymerization of $\hat{\mu}$ -caprolactone. Dalton Transactions, 2012, 41, 3377.	1.6	55
54	Structural diversity and versatility for organoaluminum complexes supported by mono- and di-anionic aminophenolate bidentate ligands. Journal of Organometallic Chemistry, 2012, 696, 4248-4256.	0.8	8

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55	Hydro-, Carbo-, and Cycloalumination of Unsaturated Compounds. Topics in Organometallic Chemistry, 2012, , 215-244.	0.7	19
56	Organoaluminum Couplings to Carbonyls, Imines, and Halides. Topics in Organometallic Chemistry, 2012, , 245-276.	0.7	10
57	Conjugate Addition of Organoaluminum Species to Michael Acceptors and Related Processes. Topics in Organometallic Chemistry, 2012, , 277-306.	0.7	5
58	Stereoselective Synthesis of Biphenolate/Binaphtolate Titanate and Zirconate Alkoxide Species: Structural Characterization and Use in the Controlled ROP of Lactide. Inorganic Chemistry, 2012, 51, 10876-10883.	1.9	34
59	Organoaluminum Complexes with Bonds to s-Block, p-Block, d-Block, and f-Block Metal Centers. Topics in Organometallic Chemistry, 2012, , 59-90.	0.7	11
60	Low Valent Organoaluminum (+I, +II) Species. Topics in Organometallic Chemistry, 2012, , 91-124.	0.7	11
61	Organoaluminum Species in Homogeneous Polymerization Catalysis. Topics in Organometallic Chemistry, 2012, , 125-171.	0.7	75
62	Preparation of Organoalanes for Organic Synthesis. Topics in Organometallic Chemistry, 2012, , 173-186.	0.7	8
63	Reactions Triggered by Lewis Acidic Organoaluminum Species. Topics in Organometallic Chemistry, 2012, , 187-214.	0.7	7
64	Simple Trivalent Organoaluminum Species: Perspectives on Structure, Bonding, and Reactivity. Topics in Organometallic Chemistry, 2012, , 1-58.	0.7	11
65	A Discrete N,O,N-Supported Gallium Amido Complex for the Intermolecular Hydroamination of Terminal Alkynes. Organometallics, 2012, 31, 1189-1194.	1.1	26
66	Synthesis, crystal structures and use in ethylene oligomerization catalysis of novel mono- and dinuclear nickel complexes supported by (E)-N′-(1-(thiophen-2-yl)ethylidene)benzohydrazide ligand. Inorganica Chimica Acta, 2012, 383, 213-219.	1.2	7
67	Novel N,O,N-Supported Tetracoordinate Aluminum Complexes for the Highly Controlled and Immortal ROP of Trimethylene Carbonate (TMC) under Mild Conditions: Access to Narrowly Disperse poly-TMC and Derived Copolymers. Organometallics, 2011, 30, 5457-5462.	1.1	33
68	Enantioselective hydrosilylation of prochiral ketones catalyzed by chiral BINAP-copper(I) complexes. Comptes Rendus Chimie, 2010, 13, 353-357.	0.2	11
69	Mechanistic Studies on the Copperâ€Catalyzed Hydrosilylation of Ketones. European Journal of Inorganic Chemistry, 2010, 2010, 529-541.	1.0	45
70	Synthesis, Characterization and Luminescence Properties of Dipyridin-2-ylamine Ligands and Their Bis(2,2′-bipyridyl)ruthenium(II) Complexes and Labelling Studies of Papain fromCarica papaya. European Journal of Inorganic Chemistry, 2010, 2010, 5087-5095.	1.0	8
71	Nonâ€Innocent Behavior of a Tridentate NHC Chelating Ligand Coordinated onto a Zirconium(IV) Center. Angewandte Chemie - International Edition, 2010, 49, 2198-2201.	7.2	65
72	Stability, molecular structures and magnetic properties of dinuclear iron complexes supported by benzoic hydrazide derivative ligands. Inorganica Chimica Acta, 2010, 363, 213-220.	1.2	13

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73	Novel CrIII dinuclear complexes supported by salicyloylhydrazono dithiolane and dithiane ligands: Synthesis, stability, crystal structures and magnetic properties. Dalton Transactions, 2010, 39, 4579.	1.6	14
74	Synthesis and Structural Characterization of a Novel Family of Titanium Complexes Bearing a Tridentate Bis-phenolate-N-heterocyclic Carbene Dianionic Ligand and Their Use in the Controlled ROP of <i>rac</i> -Lactide. Organometallics, 2010, 29, 1191-1198.	1.1	91
75	Synthesis and structural characterization of well-defined anionic aluminium alkoxide complexes supported by NON-type diamido ether tridentate ligands and their use for the controlled ROP of lactide. Dalton Transactions, 2010, 39, 533-540.	1.6	51
76	A Discrete Five-Coordinated Cationic Aluminum Complex Supported by a Fluorinated Dialkoxy-Diimino Salen-like Ligand: Synthesis, Structure, and Use in Polymerization Catalysis. Organometallics, 2010, 29, 1865-1868.	1.1	41
77	Unusual reactivity in organoaluminium and NHC chemistry: deprotonation of AlMe3 by an NHC moiety involving the formation of a sterically bulky NHC–AlMe3 Lewis adduct. Chemical Communications, 2010, 46, 2480.	2.2	76
78	Spontaneous Reduction of Highâ€Spin Fe <sup>III</sup> Complexes Supported by Benzoic Hydrazide Derivative Ligands. European Journal of Inorganic Chemistry, 2009, 2009, 3734-3741.	1.0	11
79	Novel Neutral and Cationic Aluminium Alkyl Complexes Supported by Potentially Tridentate O,N,Lâ€Type Aminophenolate Ligands and Their Use in Propylene Oxide Polymerization. European Journal of Inorganic Chemistry, 2009, 2009, 4701-4709.	1.0	57
80	Synthesis and structure of $V(V)$ and $Mn(III)$ NHC complexes supported by a tridentate bis-aryloxide-N-heterocyclic carbene ligand. Journal of Organometallic Chemistry, 2009, 694, 604-606.	0.8	71
81	Synthesis and Structure of Neutral and Cationic Aluminum Complexes Supported by Bidentate O,P-Phosphinophenolate Ligands and Their Reactivity with Propylene Oxide and ε-Caprolactone. Organometallics, 2009, 28, 4584-4592.	1.1	92
82	Functionalized cationic (η6-arene)ruthenium(II) complexes for site-specific and covalent anchoring to papain from papaya latex. Synthesis, X-ray structures and reactivity studies. Tetrahedron Letters, 2008, 49, 4670-4673.	0.7	28
83	A practical concept for the kinetic resolution of a chiral secondary alcohol based on a polymeric silane. Journal of Molecular Catalysis A, 2008, 286, 6-10.	4.8	17
84	Synthesis, Characterization, and Applications of Group 13 Cationic Compounds. Chemical Reviews, 2008, 108, 4037-4071.	23.0	152
85	Synthesis and Magnetic Properties of New Mono- and Binuclear Iron Complexes with Salicyloylhydrazono Dithiolane Ligand. Inorganic Chemistry, 2008, 47, 7623-7630.	1.9	26
86	Well-Defined Cationic Alkyl– and Alkoxide–Aluminum Complexes and Their Reactivity with É>-Caprolactone and Lactides. Chemistry - A European Journal, 2007, 13, 3202-3217.	1.7	105
87	Metal Complexes Incorporating Monoanionic Bisoxazolinate Ligands: Synthesis, Structures, Reactivity and Applications in Asymmetric Catalysis. European Journal of Inorganic Chemistry, 2007, 2007, 913-925.	1.0	41
88	Synthesis and structure of four-coordinate gallium aminophenolate complexes and studies of their reactivity toward B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> . Main Group Chemistry, 2006, 5, 111-124.	0.4	4
89	O,N Mono-aminophenolate neutral andÂcationic group-13Âcomplexes: synthesis, structure andÂreactivity. Comptes Rendus Chimie, 2006, 9, 1143-1150.	0.2	11
90	Reactivity studies of a four-coordinate methyl chloro aluminium aminophenolate complex with B(C6F5)3. Journal of Organometallic Chemistry, 2006, 691, 4797-4801.	0.8	11

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91	Bis[bis(oxazolinato)] Complexes of Yttrium and Lanthanum: Molecular Structure and Use in Polymerization ofdl-Lactide anddl-β-Butyrolactone. European Journal of Inorganic Chemistry, 2006, 2006, 3652-3658.	1.0	61
92	Efficient Enantioselective Hydrosilylation of Aryl Ketones Catalyzed by a Chiral BINAP-Copper(I) Catalyst-Phenyl (methyl) silane System. Advanced Synthesis and Catalysis, 2006, 348, 1991-1994.	2.1	66
93	Synthesis and Structure of Neutral and Cationic Gallium Complexes Incorporating Bis(oxazolinato) Ligands. European Journal of Inorganic Chemistry, 2005, 2005, 4206-4214.	1.0	21
94	An Aluminum Complex Supported by a Fluorous Diamino-Dialkoxide Ligand for the Highly Productive Ring-Opening Polymerization of $\hat{l}\mu$ -Caprolactone. Organometallics, 2005, 24, 6279-6282.	1.1	75
95	Isolation of fac-[Re(CO)3(HMPA)3][BF4]. Structural characterization of a key cationic intermediate in the exchange reaction between [Re(CO)6][BF4] and acetylferrocene. Implications in radiopharmaceutical chemistry. Journal of Organometallic Chemistry, 2004, 689, 273-276.	0.8	4
96	Synthesis and Structure of Neutral and Cationic Aluminum Complexes Incorporating Bis(oxazolinato) Ligands. Organometallics, 2004, 23, 3053-3061.	1,1	50
97	Synthesis and Structure of a Four-Coordinate Aluminum Alkyl Cation/HB(C6F5)3Salt:Â Implication in a B(C6F5)3-Catalyzed Hydroalumination Reaction of Benzophenone or Benzaldehyde. Organometallics, 2004, 23, 4706-4710.	1.1	37
98	Synthesis and structure of four-coordinate dimethyl aluminium complexes incorporating new N,O-chelating arylamido ligands. Journal of Organometallic Chemistry, 2003, 682, 240-247.	0.8	7
99	Synthesis and Structural Characterization of Neutral and Cationic Alkylaluminum Complexes Based on Bidentate Aminophenolate Ligands. Organometallics, 2003, 22, 3732-3741.	1.1	66
100	A new optically pure half-sandwich Cp–Ru diphosphine complex with a chiral metal centre, (S)-Ru(η5-C5H5)(EPHOS)Cl {EPHOS is (+)-(1R,2S)-2-[(diphenylphosphino)methylamino]-1-phenylpropyl diphenylphosphinite}. Acta Crystallographica Section C: Crystal Structure Communications, 2002, 58, m551-m552.	0.4	2
101	Main-Group-Metal Chlorobenzene Complexes. Organometallics, 2001, 20, 3367-3369.	1.1	51
102	A cationic hydroxo-bridged dinuclear gallium complex. Acta Crystallographica Section C: Crystal Structure Communications, 2001, 57, 143-144.	0.4	2
103	Bis(isopropylamino)methylcarbenium tetrakis(pentafluorophenyl)gallate. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, e134-e135.	0.4	4
104	A dicationic gallium–oxo–hydroxide cage compound. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, 1213-1215.	0.4	6
105	Synthesis and Structures of Cationic Aluminum and Gallium Amidinate Complexes. Journal of the American Chemical Society, 2000, 122, 274-289.	6.6	228
106	Sterically Crowded Gallium Amidinate Complexes. Organometallics, 1999, 18, 4619-4623.	1,1	46
107	Stereoselective Propene Insertion Reactions of rac-(EBI)Zr( $\hat{i}$ -2-pyridyl)+Complexes. Organometallics, 1997, 16, 5541-5555.	1.1	32