

Charles T O'hara

List of Publications by Year in descending order

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66
papers

2,346
citations

218677

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docs citations

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times ranked

1122
citing authors

#	ARTICLE	IF	CITATIONS
1	Directed ortho-meta ²⁻ - and meta-meta ²⁻ dimetalations: A template base approach to deprotonation. <i>Science</i> , 2014, 346, 834-837.	12.6	173
2	Unmasking Representative Structures of TMP-Active Hauser and Turbo-Hauser Bases. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8079-8081.	13.8	114
3	A Homologous Series of Regioselectively Tetradeprotonated Group 8 Metallocenes: A New Inverse Crown Ring Compounds Synthesized via a Mixed Sodium-Magnesium Tris(diisopropylamide) Synergic Base. <i>Journal of the American Chemical Society</i> , 2004, 126, 11612-11620.	13.7	110
4	Regioselective Tetrametalation of Ferrocene in a Single Reaction: Extension of s-Block Inverse Crown Chemistry to the d-Block. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3902-3905.	13.8	108
5	Selective Meta-Deprotonation of Toluene by Using Alkali-Metal-Mediated Magnesiation. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3459-3462.	13.8	99
6	Hydride encapsulation in s-block metal inverse crown chemistry. <i>Chemical Communications</i> , 2002, , 376-377.	4.1	98
7	Synthesis, Structure and Theoretical Studies of the Hydrido Inverse Crown [K ₂ Mg ₂ (NiPr ₂) ₄ (¹ / ₄ -H) ₂ (toluene) ₂]: a Rare Example of a Molecular Magnesium Hydride with a Mg-(¹ / ₄ -H)-Mg Double Bridge. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 3354-3362.	2.0	71
8	Isolation and characterisation of the mixed-metal alkyl amide [(TMEDA)Na(¹ / ₄ -Bu)(¹ / ₄ -TMP)Mg(TMP)], an unexpected chelate-trapped intermediate in the formation of inverse crowns. <i>Chemical Communications</i> , 2004, , 2422-2423.	4.1	68
9	Synthesis and Structure of a Molecular Barium Aminebis(phenolate) and Its Application as an Initiator for Ring-Opening Polymerization of Cyclic Esters. <i>Inorganic Chemistry</i> , 2007, 46, 7686-7688.	4.0	64
10	Pre-inverse-crowns: synthetic, structural and reactivity studies of alkali metal magnesiates primed for inverse crown formation. <i>Chemical Science</i> , 2014, 5, 771-781.	7.4	64
11	Alkali-Metal-Mediated Zincation of Polycyclic Aromatic Hydrocarbons: Synthesis and Structures of Mono- and Dizincated Naphthalenes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6548-6550.	13.8	62
12	Organometallic Polymers Assembled from Cation-π Interactions: Use of Ferrocene as a Ditopic Linker Within the Homologous Series [{(Me ₃ Si) ₂ NM} ₂ ··· (Cp ₂ Fe)] ⁿ (M=Na, K, Rb, Cs; Cp=cyclopentadienyl). <i>Chemistry - A European Journal</i> , 2007, 13, 4418-4432.	3.3	55
13	Introducing Glycerol as a Sustainable Solvent to Organolithium Chemistry: Ultrafast Chemoselective Addition of Aryllithium Reagents to Nitriles under Air and at Ambient Temperature. <i>Chemistry - A European Journal</i> , 2018, 24, 1720-1725.	3.3	53
14	Trimagnesium-bridged trinuclear ferrocenophanes cocomplexed with solvated mononuclear alkali metal amide molecules. <i>Chemical Communications</i> , 2001, , 1678-1679.	4.1	48
15	A Structural and Computational Study of Synthetically Important Alkali-Metal/Tetramethylpiperidide (TMP) Amine Solvates. <i>Chemistry - A European Journal</i> , 2008, 14, 8025-8034.	3.3	47
16	Structurally Defined Reactions of Sodium TMP-Zincate with Nitrile Compounds: Synthesis of a Salt-Like Sodium Sodiumdizincate and Other Unexpected Ion-Pair Products. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 731-734.	13.8	44
17	Structural Studies of Cesium, Lithium/Cesium, and Sodium/Cesium Bis(trimethylsilyl)amide (HMDS) Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 5719-5728.	4.0	43
18	Alkoxide binding in inverse crown chemistry: rational synthesis of a series of composite alkali metal-magnesium-alkoxide-diisopropylamides. <i>Chemical Communications</i> , 2002, , 1176-1177.	4.1	37

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19	Synthetic and structural investigations of alkali metal diamine bis(phenolate) complexes. Dalton Transactions, 2008, , 1295.	3.3	37
20	Alkali-Metal-Mediated Magnesiations of an π -Heterocyclic Carbene: Normal, Abnormal, and π -Paranormal Reactivity in a Single Tritopic Molecule. Angewandte Chemie - International Edition, 2015, 54, 14075-14079.	13.8	36
21	Building an extended inverse crown motif via alkali-metal-mediated π -magnesiation of furan. Chemical Communications, 2006, , 417-419.	4.1	35
22	Ultrafast amidation of esters using lithium amides under aerobic ambient temperature conditions in sustainable solvents. Chemical Science, 2020, 11, 6500-6509.	7.4	33
23	Stoichiometrically-controlled reactivity and supramolecular storage of butylmagnesiato anions. Chemical Communications, 2005, , 1131.	4.1	29
24	Sodium-Mediated Magnesiation of Thiophene and Tetrahydrothiophene: Structural Contrasts with Furan and Tetrahydrofuran. Chemistry - A European Journal, 2010, 16, 8600-8604.	3.3	29
25	Transamination chemistry of sodium TMP-zincate: synthesis and crystal structure of a chiral amidozincate. Chemical Communications, 2008, , 187-189.	4.1	28
26	A polymeric solvent-free variant of a hydridomagnesium inverse crown. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, m366-m368.	0.4	26
27	Reactions of π -sparteine with alkali metal HMDS complexes: conventional meets the unconventional. Chemical Communications, 2009, , 5835.	4.1	26
28	Mixed Lithium Amide-Lithium Halide Compounds: Unusual Halide-Deficient Amido Metal Anionic Crowns. Angewandte Chemie - International Edition, 2011, 50, 8375-8378.	13.8	26
29	Synthesis and structural characterisation of mixed alkali metal-magnesium mixed ligand alkyl-amido ate complexes. Inorganica Chimica Acta, 2007, 360, 1370-1375.	2.4	25
30	Single electron transfer (SET) activity of the dialkyl-amido sodium zincate [(TMEDA) \cdot Na(π -TMP)(π -Bu) $_2$ Zn(π -Bu) $_2$] towards TEMPO and chalcone. Chemical Communications, 2012, 48, 1541-1543.	4.1	25
31	s-Block cooperative catalysis: alkali metal magnesiato-catalysed cyclisation of alkynols. Chemical Science, 2019, 10, 5821-5831.	7.4	25
32	Structural Elucidation of tmeda-Solvated Alkali Metal Diphenylamide Complexes. European Journal of Inorganic Chemistry, 2009, 2009, 5029-5035.	2.0	24
33	Evaluating <i>cis</i> -2,6-Dimethylpiperidide (<i>cis</i> -DMP) as a Base Component in Lithium-Mediated Zincation Chemistry. Chemistry - A European Journal, 2013, 19, 13492-13503.	3.3	24
34	Hexameric Mg-O Stacks with Six THF-Solvated Sodium Amide Appendages: π -Super-Variants of Inverse Crown Ethers Generated by Cleavage of THF. Angewandte Chemie - International Edition, 2002, 41, 2382-2384.	13.8	23
35	Structural Variations within Group 1 (Li \sim Cs) $^+$ (2,2,6,6-Tetramethyl-1-piperidinyloxy) $^{\cdot-}$ Complexes Made via Metallic Reduction of the Nitroxyl Radical. Inorganic Chemistry, 2009, 48, 6934-6944.	4.0	23
36	Templated deprotonative metalation of polyaryl systems: Facile access to simple, previously inaccessible multi-iodoarenes. Science Advances, 2017, 3, e1700832.	10.3	23

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37	<i>Meta</i> -metallation of <i>N,N</i> -dimethylaniline: Contrasting direct sodium-mediated zincation with indirect sodiation-dialkylzinc co-complexation. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 1234-1248.	2.2	22
38	Structural Studies of (<i>rac</i>)-BIPHEN Organomagnesiates and Intermediates in the Halogen-Metal Exchange of 2-Bromopyridine. <i>Organometallics</i> , 2015, 34, 2550-2557.	2.3	22
39	Isolation and characterisation of a (λ^5)-sparteine coordinated mixed alkyl/amido sodium magnesiate, a chiral variant of an important utility ate base. <i>Dalton Transactions</i> , 2008, , 4975.	3.3	21
40	Synergic Synthesis of Benzannulated Zincabicyclic Complexes, λ^2 -Zincated N Ylides, through Sodium-TMEDA-Mediated Zincation of a Haloarene. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8675-8678.	13.8	21
41	Synthetic and Structural Studies of Mixed Sodium Bis(trimethylsilyl)amide/Sodium Halide Aggregates in the Presence of λ^2 - <i>N,N</i> -, λ^3 - <i>N,N</i> -, λ^3 - <i>N,N</i> -, λ^3 - <i>N,N</i> -, λ^3 - <i>N,N</i> -, and λ^4 - <i>N,N</i> -, <i>N,N</i> -, <i>N,N</i> -, <i>N,N</i> -Donor Ligands. <i>Inorganic Chemistry</i> , 2015, 54, 9833-9844.	4.0	20
42	Exploring the solid state and solution structural chemistry of the utility amide potassium hexamethyldisilazide (KHMDs). <i>Dalton Transactions</i> , 2017, 46, 6392-6403.	3.3	20
43	Remote functionalisation via sodium alkylamidozincate intermediates: access to unusual fluorenone and pyridyl ketone reactivity patterns. <i>Chemical Communications</i> , 2011, 47, 3772.	4.1	19
44	Synthesis and structural chemistry of alkali metal tris(HMDS) magnesiates containing chiral diamine donor ligands. <i>Dalton Transactions</i> , 2011, 40, 5332.	3.3	19
45	Complexity in seemingly simple sodium magnesiate systems. <i>Dalton Transactions</i> , 2014, 43, 14424-14431.	3.3	19
46	Synergistic effects in the activation of small molecules by λ^2 -block elements. <i>Organometallic Chemistry</i> , 0, , 1-26.	0.6	19
47	<i>cis</i> -2,6-Dimethylpiperidide: a structural mimic for TMP (2,2,6,6-tetramethylpiperidide) or DA (diisopropylamide)?. <i>Dalton Transactions</i> , 2010, 39, 511-519.	3.3	18
48	Structural elaboration of the surprising ortho-zincation of benzyl methyl ether. <i>Chemical Communications</i> , 2010, 46, 2319.	4.1	15
49	Synthesis of the mixed lithium-potassium (bis)magnesium N-metallated/N, C-dimetallated amide [Li ₂ K ₂ Mg ₄ {But(Me ₃ Si)N} ₄ {But[Me ₂ (H ₂ C)Si]N ₄]: an inverse crown molecule with an atomless cavity Electronic supplementary information (ESI) available: NMR spectra. See http://www.rsc.org/suppdata/cc/b3/b301374il . <i>Chemical Communications</i> , 2003, , 1140-1141.	4.1	12
50	<i>catena</i> -Poly[sodium- λ^4 -(<i>N,N,N,N</i>)-tetramethylethane-1,2-diamine]- λ^2 -tetramethylethane-1,2-diamine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m1468-m1468.	0.2	11
51	Dehydromethylation of alkali metal salts of the utility amide 2,2,6,6-tetramethylpiperidide (TMP). <i>Chemical Communications</i> , 2014, 50, 10588.	4.1	10
52	The synthesis and characterisation of a magnesium amine bis(phenolate) complex as a potential initiator for the ring-opening polymerisation of cyclic esters. <i>Main Group Chemistry</i> , 2006, 5, 3-12.	0.8	9
53	Structural and metal-halogen exchange reactivity studies of sodium magnesiate biphenolate complexes. <i>Dalton Transactions</i> , 2020, 49, 5257-5263.	3.3	9
54	Progressing the Frustrated Lewis Pair Abilities of N-Heterocyclic Carbene/GaR ₃ Combinations for Catalytic Hydroboration of Aldehydes and Ketones. <i>Inorganic Chemistry</i> , 2021, 60, 13784-13796.	4.0	9

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55	Synthesis and structural elucidation of a rare example of a tris(amido) potassium magnesiate. <i>Inorganica Chimica Acta</i> , 2012, 384, 154-157.	2.4	8
56	Solid state and solution studies of lithium tris(n-butyl)magnesiates stabilised by Lewis donors. <i>Dalton Transactions</i> , 2015, 44, 7258-7267.	3.3	8
57	Monodentate coordination of the normally chelating chiral diamine (R,R)-TMEDA. <i>Chemical Communications</i> , 2017, 53, 324-327.	4.1	8
58	Optimisation of a lithium magnesiate for use in the non-cryogenic asymmetric deprotonation of prochiral ketones. <i>Dalton Transactions</i> , 2014, 43, 1408-1412.	3.3	6
59	Synthesis of an alkylmagnesium amide and interception of a ring-opened isomer of the important utility amide 2,2,6,6-tetramethylpiperidine (TMP). <i>Inorganica Chimica Acta</i> , 2014, 411, 1-4.	2.4	5
60	Synthetic and reactivity studies of hetero-tri-anionic sodium zincates. <i>Dalton Transactions</i> , 2016, 45, 6222-6233.	3.3	5
61	Selective mono- and dimetallation of a group 3 sandwich complex. <i>Chemical Communications</i> , 2019, 55, 9677-9680.	4.1	4
62	Structural elucidation of homometallic anthracenolates synthesised via deprotonative metallation of anthrone. <i>Dalton Transactions</i> , 2013, 42, 2512-2519.	3.3	3
63	Regioselective Tetrametalation of Ferrocene in a Single Reaction: Extension of s-Block Inverse Crown Chemistry to the d-Block This work was supported by the UK Engineering and Physical Science Research Council through grant award no GR/M78113.. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3902-3905.	13.8	3
64	Structural Studies of Donor-Free and Donor-Solvated Sodium Carboxylates. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1615-1622.	2.0	2
65	Critical Ligand and Salt Effects in Organomagnesiates-Promoted 3,3-Disubstituted Phthalides Synthesis from 2-Iodobenzoate Derivatives. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4835-4845.	2.4	1
66	Facile Access to Hetero-poly-functional Arenes and meta-Substituted Arenes via Two-Step Dimetalation and Mg/Halogen-Exchange Protocol. <i>Chemistry - A European Journal</i> , 2021, 27, 4134-4140.	3.3	0