

# Peter C Junk

## List of Publications by Citations

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#	Paper	IF	Citations
450	Ball and Socket Nanostructures: New Supramolecular Chemistry Based on Cyclotrimeratrylene. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 10346-10347	16.4	201
449	Four-membered group 13 metal(I) N-heterocyclic carbene analogues: synthesis, characterization, and theoretical studies. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 2206-7	16.4	163
448	Leishmaniasis: current treatment and prospects for new drugs and vaccines. <i>Current Medicinal Chemistry</i> , <b>2009</b> , 16, 599-614	4.3	144
447	Synthetic, structural and theoretical studies of amidinate and guanidinate stabilised germanium(II) dimers. <i>Chemical Communications</i> , <b>2006</b> , 3978-80	5.8	129
446	Alkali-metal bis(aryl)formamidinates: a study of coordinative versatility. <i>Chemical Communications</i> , <b>2007</b> , 1579-90	5.8	122
445	Dual effect of ceramide on human endothelial cells: induction of oxidative stress and transcriptional upregulation of endothelial nitric oxide synthase. <i>Circulation</i> , <b>2002</b> , 106, 2250-6	16.7	119
444	Towards a structural understanding of the anti-ulcer and anti-gastritis drug bismuth subsalicylate. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 5638-42	16.4	114
443	Syntheses, crystal structures, magnetic properties, and EPR spectra of tetranuclear copper(II) complexes featuring pairs of "roof-shaped" Cu <sub>2</sub> X <sub>2</sub> dimers with hydroxide, methoxide, and azide bridges. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 1536-43	5.1	111
442	Highly Hindered Amido-Lithium and Amido-Magnesium Complexes. Crystal-Structures of [Li( $\mu$ -N(SiMe <sub>3</sub> ) <sub>2</sub> )(Tetrahydrofuran)] <sub>2</sub> and [MgBus( $\mu$ -N(SiMe <sub>3</sub> ) <sub>2</sub> )] <sub>2</sub> . <i>Australian Journal of Chemistry</i> , <b>1986</b> , 39, 1337	1.2	110
441	Rapid mechanochemical synthesis of two new Cd(II)-based metal-organic frameworks with high removal efficiency of Congo red. <i>CrystEngComm</i> , <b>2015</b> , 17, 686-692	3.3	109
440	Dinitrogen reduction and C-H activation by the divalent organoneodymium complex [(C <sub>5</sub> H <sub>2</sub> tBu <sub>3</sub> ) <sub>2</sub> Nd( $\mu$ -I)K([18]crown-6)]. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 1117-21	16.4	100
439	An Asymmetric Supercapacitor Based on a Non-Calcined 3D Pillared Cobalt(II) Metal-Organic Framework with Long Cyclic Stability. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 16100-16111	5.1	90
438	Templated assembly of a $\mu_6$ -CO <sub>3</sub> <sup>2-</sup> dodecanuclear lanthanum dibenzoylmethanide hydroxido cluster with concomitant formation of phenylglyoxylate. <i>Dalton Transactions</i> , <b>2007</b> , 5651-4	4.3	83
437	Spectroscopic properties of lanthanoid benzene carboxylates in the solid state: Part 1. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2009</b> , 202, 10-20	4.7	82
436	Steric modulation of coordination number and reactivity in the synthesis of lanthanoid(III) formamidinates. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 8092-110	4.8	77
435	Macrocyclic ligand design. Structure-function relationships involving the interaction of pyridinyl-containing, mixed oxygen-nitrogen donor macrocycles with cobalt(II), nickel(II), copper(II), zinc(II), cadmium(II), silver(I) and lead(II). <i>Dalton Transactions RSC</i> , <b>2002</b> , 2185-2193		77
434	The Striking Influence of Intramolecular Lanthanoid-Arene Interactions on the Structural Architecture of the Homoleptic Aryloxolanthanoid(II) Complexes [Eu <sub>2</sub> (Odpp)( $\mu$ -Odpp) <sub>3</sub> ] and [Yb <sub>2</sub> (Odpp) <sub>2</sub> ( $\mu$ -Odpp) <sub>2</sub> ] and the YbII/YbIII Trimetallic [Yb <sub>2</sub> ( $\mu$ -Odpp) <sub>3</sub> ]+[Yb(Odpp) <sub>4</sub> ] <sup>+</sup> ( $\mu$ -Odpp=2,6-Diphenylphenolate). <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 1452-1459	4.8	77

- 433 Structural variations in rare earth benzoate complexes. *CrystEngComm*, **2007**, 9, 394-411 3.3 76
- 432 Urea Metal-Organic Frameworks for Nitro-Substituted Compounds Sensing. *Inorganic Chemistry*, **2017**, 56, 1446-1454 5.1 75
- 431 Anti-leishmanial activity of heteroleptic organometallic Sb(v) compounds. *Dalton Transactions*, **2013**, 42, 16733-41 4.3 73
- 430 (3+3)-Cyclocondensation of the enantiopure and racemic forms of trans-1,2-diaminocyclohexane with terephthalaldehyde. Formation of diastereomeric molecular triangles and their stereoselective solid-state stacking into microporous chiral columns. *Tetrahedron: Asymmetry*, **2001**, 12, 127-133 73
- 429 Cerium(III/IV) formamidinate chemistry, and a stable cerium(IV) diolate. *Chemistry - A European Journal*, **2014**, 20, 4426-38 4.8 72
- 428 Formation of elastomeric polypropylene promoted by the dynamic complexes  $[\text{TiCl}_2\{\text{N}(\text{PPh}_2)_2\}_2]$  and  $[\text{Zr}(\text{NPhPPH}_2)_4]$ . *Journal of Organometallic Chemistry*, **2000**, 604, 116-125 2.3 72
- 427 Synthetic, Structural and Vibrational Spectroscopic Studies in Bismuth(III) Halide/N,N'-Aromatic Bidentate Base Systems. I Large-Cation (2,2'-Bipyridinium and 1,10-Phenanthroline) Salts of Polyhalobismuthate(III) Ions. *Australian Journal of Chemistry*, **1998**, 51, 293 1.2 71
- 426 Isolation of Enantiomers of a Range of Tris(bidentate)ruthenium(II) Species Using Chromatographic Resolution and Stereoretentive Synthetic Methods. *European Journal of Inorganic Chemistry*, **1998**, 1998, 1677-1688 2.3 70
- 425 Homoleptic lanthanide(II)-bis(guanidinate) complexes,  $[\text{Ln}(\text{Giso})_2]$  (Giso =  $[(\text{ArN})_2\text{CN}(\text{C}(6)\text{H}(11))_2)]^-$ , Ar = C(6)H(3)Pr(i)(2)-2,6): planar 4-coordinate (Ln = Sm or Eu) vs distorted tetrahedral (Ln = Yb) geometries. *Dalton Transactions*, **2007**, 187-9 4.3 70
- 424 Photoinduced Ligand Isomerization in Dimethyl Sulfoxide Complexes of Ruthenium(II). *European Journal of Inorganic Chemistry*, **2000**, 2000, 1365-1370 2.3 70
- 423 Synthesis and characterisation of bulky guanidines and phosphaguanidines: precursors for low oxidation state metallacycles. *New Journal of Chemistry*, **2009**, 33, 64-75 3.6 69
- 422 Inhibition of Corrosion on AA2024-T3 by New Environmentally Friendly Rare Earth Organophosphate Compounds. *Corrosion*, **2008**, 64, 191-197 1.8 66
- 421 Ultrasound assisted synthesis of a Zn(II) metal-organic framework with nano-plate morphology using non-linear dicarboxylate and linear N-donor ligands. *RSC Advances*, **2014**, 4, 47894-47898 3.7 64
- 420 The nature of the surface film on steel treated with cerium and lanthanum cinnamate based corrosion inhibitors. *Corrosion Science*, **2006**, 48, 404-419 6.8 64
- 419 Synthesis and characterization of thermally robust amidinato group 13 hydride complexes. *Chemistry - A European Journal*, **2005**, 11, 4482-91 4.8 64
- 418 Studies of the reactivity of N-heterocyclic carbenes with halogen and halide sources. *New Journal of Chemistry*, **2002**, 26, 1296-1303 3.6 63
- 417 Bismuth(III) complexes derived from non-steroidal anti-inflammatory drugs and their activity against *Helicobacter pylori*. *Dalton Transactions*, **2010**, 39, 2861-8 4.3 61
- 416 Synthesis, characterisation and theoretical studies of amidinato-indium(I) and thallium(I) complexes: isomers of neutral group 13 metal(I) carbene analogues. *Dalton Transactions*, **2005**, 2497-9 4.3 61

- 4<sup>15</sup> Manipulation of reaction pathways in redox transmetallation-ligand exchange syntheses of lanthanoid(II)/(III) aryloxide complexes. *Dalton Transactions*, **2006**, 802-12 4.3 61
- 4<sup>14</sup> Accessing Decaphenylmetallocenes of Ytterbium, Calcium, and Barium by Desolvation of Solvent-Separated Ion Pairs: Overcoming Adverse Solubility Properties#. *Organometallics*, **2008**, 27, 4772-4778<sup>60</sup> 3.8
- 4<sup>13</sup> Protonation studies of reduced ruthenium(II) complexes with polypyridyl ligands. *Inorganic Chemistry*, **2000**, 39, 2721-8 5.1 59
- 4<sup>12</sup> Preparation and X-Ray Crystal Structures of Tetrahydrofuran-Complexed Rare Earth Chlorides  $\square$  Structurally Rich Series. *Australian Journal of Chemistry*, **1998**, 51, 75 1.2 58
- 4<sup>11</sup> Group 13 metal(I) and (II) guanidinate complexes: effect of ligand backbone on metal oxidation state and coordination sphere. *New Journal of Chemistry*, **2008**, 32, 835 3.6 57
- 4<sup>10</sup> Corrosion Mitigation of Mild Steel by New Rare Earth Cinnamate Compounds. *Journal of Applied Electrochemistry*, **2004**, 34, 591-599 2.6 57
- 4<sup>09</sup> One dimensional energy transfer in lanthanoid picolinate. Correlation of structure and spectroscopy. *New Journal of Chemistry*, **2003**, 27, 1070 3.6 57
- 4<sup>08</sup> Chromatographic separation of stereoisomers of ligand-bridged diruthenium polypyridyl species. *Journal of the Chemical Society Dalton Transactions*, **1998**, 133-138 56
- 4<sup>07</sup> The syntheses and structures of some main group complexes of the sterically hindered N,N'-bis(2,6-diisopropylphenyl)-4-toluamidine ligand. *New Journal of Chemistry*, **2005**, 29, 128-134 3.6 56
- 4<sup>06</sup> Main group conjugated organic anion chemistry. 3. Application of magnesium-anthracene compounds in the synthesis of Grignard reagents. *Journal of Organic Chemistry*, **1988**, 53, 3134-3140 4.2 56
- 4<sup>05</sup> Formation of Ho(III) Trinuclear Clusters and Gd(III) Monodimensional Polymers Induced by ortho and para Regioisomers of Pyridyl-Functionalised  $\square$  Diketones: Synthesis, Structure, and Magnetic Properties. *European Journal of Inorganic Chemistry*, **2009**, 2009, 744-751 2.3 54
- 4<sup>04</sup> Synthetic and structural comparisons of bismuth(III) carboxylates synthesised under solvent-free and reflux conditions. *Dalton Transactions*, **2006**, 4852-8 4.3 54
- 4<sup>03</sup> Pyrazolate coordination continues to amaze--the new  $\mu$ - $\eta$ (2): $\eta$ (1) binding mode and the first case of unidentate coordination to a rare earth metal. *Angewandte Chemie - International Edition*, **2002**, 41, 3249-51 16.4 53
- 4<sup>02</sup> New 'Green' Corrosion Inhibitors Based on Rare Earth Compounds. *Australian Journal of Chemistry*, **2011**, 64, 812 1.2 52
- 4<sup>01</sup> The reactivity of N-heterocyclic carbenes and their precursors with [Ru(3)(CO)(12)]. *Dalton Transactions*, **2008**, 4118-28 4.3 52
- 4<sup>00</sup> Mono- and di-nuclear complexes of the ligands 3,4-di(2-pyridyl)-1,2,5-oxadiazole and 3,4-di(2-pyridyl)-1,2,5-thiadiazole; new bridges allowing unusually strong metal-metal interactions. *Dalton Transactions RSC*, **2002**, 2775-2785 52
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- 398 Sonochemical synthesis and structural characterization of a new Zn(II) nanoplate metal-organic framework with removal efficiency of Sudan red and Congo red. *Ultrasonics Sonochemistry*, **2018**, 45, 50-56 8.9 51

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396	Synthesis, Structural and Spectroscopic Studies on the Lanthanoid p-Aminobenzoates and Derived Optically Functional Polyurethane Composites. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 291-301	2.3	50
395	Adsorption and intercalation of Acid Blue 9 on MgAl layered double hydroxides of variable metal composition. <i>Polyhedron</i> , <b>2007</b> , 26, 3479-3490	2.7	50
394	Steric engineering of C-F activation with lanthanoid formamidinates. <i>Chemical Communications</i> , <b>2005</b> , 1581-3	5.8	50
393	Ultrasonic assisted synthesis of two new coordination polymers and their applications as precursors for preparation of nano-materials. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 34, 984-992	8.9	49
392	Urea-containing metal-organic frameworks as heterogeneous organocatalysts. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 20408-20415	13	49
391	Lanthanide Formamidinates as Improved Catalysts for the Tishchenko Reaction. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 693-697	3.2	49
390	The effect of coordinated solvent ligands on the solid-state structures of compounds involving uranyl nitrate and Schiff bases. <i>Polyhedron</i> , <b>2002</b> , 21, 2421-2431	2.7	49
389	2,6-Diphenylphenolates of calcium, strontium and barium exhibiting phenyl encapsulation of the partially naked cations. <i>Journal of Organometallic Chemistry</i> , <b>2000</b> , 607, 112-119	2.3	49
388	Utilization of crown ethers to stabilize the dinuclear $\mu_2$ bridged iron(III) aqua ion, $[(H_2O)_5Fe(OH)Fe(OH)_2]^{4+}$ . <i>Dalton Transactions RSC</i> , <b>2002</b> , 1024		48
387	High photodegradation efficiency of phenol by mixed-metal-organic frameworks. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 944-951	6.8	48
386	Intramolecular metal-fluorocarbon coordination, C-F bond activation and lanthanoid-fluoride clusters with tethered polyfluorophenylamide ligands. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 3082-924.8	4.8	47
385	Synthesis and structural characterisation of heavy alkaline earth N,N'-bis(aryl)formamidinate complexes. <i>Dalton Transactions</i> , <b>2006</b> , 3360-7	4.3	47
384	Crown ether chemistry of the alkaline earth nitrates. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1999</b> , 407-414		47
383	Anti-Leishmanial activity of homo- and heteroleptic bismuth(III) carboxylates. <i>Journal of Inorganic Biochemistry</i> , <b>2011</b> , 105, 454-61	4.2	46
382	Synthesis and characterization of symmetric and unsymmetric oxo-bridged trinuclear chromium benzoate complexes: Crystal and molecular structure of $[Cr_3O(O_2CPh)_6(py)_3]ClO_4$ . <i>Inorganica Chimica Acta</i> , <b>1994</b> , 217, 171-179	2.7	46
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- 363 Potassium complexes of the superformamidine (2,6-Pr<sub>2</sub>iC<sub>6</sub>H<sub>3</sub>)NC(H)NH(2,6-Pr<sub>2</sub>iC<sub>6</sub>H<sub>3</sub>), HDippForm. *Journal of Organometallic Chemistry*, **2003**, 666, 55-62 2.3 41
- 362 Rare-earth N,N'-diarylfornamidinate complexes. *Coordination Chemistry Reviews*, **2017**, 340, 247-265 23.2 40

361	The adsorption behavior of C.I. Acid Blue 9 onto calcined MgAl layered double hydroxides. <i>Dyes and Pigments</i> , <b>2009</b> , 81, 103-112	4.6	40
360	Structural variations in rare earth benzoate complexes. <i>CrystEngComm</i> , <b>2007</b> , 9, 1110	3.3	40
359	Structural Variety in Solvated Lanthanoid(III) Halide Complexes. <i>Australian Journal of Chemistry</i> , <b>2000</b> , 53, 853	1.2	40
358	A study of rare-earth 3-(4-methylbenzoyl)-propanoate compounds as corrosion inhibitors for AS1020 mild steel in NaCl solutions. <i>Corrosion Science</i> , <b>2018</b> , 145, 199-211	6.8	40
357	Bismuth(III) 5-sulfosalicylate complexes: structure, solubility and activity against <i>Helicobacter pylori</i> . <i>Dalton Transactions</i> , <b>2009</b> , 6377-84	4.3	39
356	Gelation of La(III) cations promoted by 5-(2-pyridyl)tetrazolate and water. <i>Chemical Communications</i> , <b>2006</b> , 3317-9	5.8	39
355	Synthesis and structural characterisation of some novel lithium and sodium N,N'-di(para-tolyl)formamidinate complexes. <i>Dalton Transactions RSC</i> , <b>2002</b> , 3906-3914		39
354	Main Group Pyrazolates—the X-Ray Structures of [Al(η <sup>2</sup> -2-But2pz) <sub>3</sub> ], [SnMe <sub>3</sub> (η <sup>1</sup> -1-Ph2pz)] and [GePh <sub>3</sub> (η <sup>1</sup> -1-But2pz)] (R2pz = 3,5-Disubstituted Pyrazolate). <i>Australian Journal of Chemistry</i> , <b>1999</b> , 52, 733	1.2	39
353	Two pillared metal-organic frameworks comprising a long pillar ligand used as fluorescent sensors for nitrobenzene and heterogeneous catalysts for the Knoevenagel condensation reaction. <i>CrystEngComm</i> , <b>2016</b> , 18, 2463-2468	3.3	38
352	Synthesis and structures of calcium and strontium 2,4-di-tert-butylphenolates and their reactivity towards the amine co-initiated ring-opening polymerisation of rac-lactide. <i>Dalton Transactions</i> , <b>2013</b> , 42, 9294-312	4.3	38
351	Bulky amidinato complexes and amidine adducts of Al, Ga and In halides. <i>Polyhedron</i> , <b>2006</b> , 25, 1592-1600.	0.7	38
350	Structure, magnetic behavior, and anisotropy of homoleptic trinuclear lanthanoid 8-quinolinolate complexes. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 2528-34	5.1	37
349	Syntheses and structures of some homoleptic acetonitrile lanthanoid(III) complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 3887-3892		37
348	Structural and synthetic studies of magnesium and zinc tolylformamidinate complexes. <i>New Journal of Chemistry</i> , <b>2002</b> , 26, 1015-1024	3.6	37
347	Facile Synthesis and Molecular Structure of [Ni(PPh <sub>2</sub> NHPh) <sub>4</sub> ]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2000</b> , 626, 1591-1594	1.3	37
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- 342 Spectroscopic properties of lanthanoid benzene carboxylates in the solid state: Part 2. Polar substituted benzoates. *Journal of Photochemistry and Photobiology A: Chemistry*, **2011**, 217, 76-86 4.7 34
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- 339 Is the unconventional H $\cdots$ H bond more common than expected? Synthesis and X-ray structure of monomeric [Ru(CO)H<sub>2</sub>(PPh<sub>3</sub>)<sub>3</sub>]. *Journal of Organometallic Chemistry*, **1999**, 587, 191-194 2.3 34
- 338 Main group-conjugated organic anion chemistry. 1. Synthesis of magnesium anthracene, silylated anthracenes, or fluoranthene tetrahydrofuran and tertiary amine complexes and of magnesium cyclooctatetraene: x-ray structure of [MgL(TMEDA)] $\cdot$ [MgL(THF)<sub>2</sub>] (L = 9,10-bis(trimethylsilyl)anthracene). *Organometallics*, **2007**, 26, 2110-2116 3.8 34
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- 333 Bismuth(III) Saccharinate and Thiosaccharinate Complexes and the Effect of Ligand Substitution on Their Activity against Helicobacter pylori. *Organometallics*, **2011**, 30, 6283-6291 3.8 32
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