

# Simon G Bott

## List of Publications by Citations

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#	Paper	IF	Citations
391	Hydrolysis of tri-tert-butylaluminum: the first structural characterization of alkylalumoxanes [(R <sub>2</sub> Al) <sub>2</sub> O] <sub>n</sub> and (RAlO) <sub>n</sub> . <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 4971-4984	16.4	443
390	Three-Coordinate Aluminum Is Not a Prerequisite for Catalytic Activity in the Zirconocene-Alumoxane Polymerization of Ethylene. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 6465-6474	16.4	220
389	Metallocene/polypropylene structural relationships: Implications on polymerization and stereochemical control mechanisms. <i>Makromolekulare Chemie Macromolecular Symposia</i> , <b>1991</b> , 48-49, 253-295		210
388	A Convenient Entry into Trivalent Actinide Chemistry: Synthesis and Characterization of AnI <sub>3</sub> (THF) <sub>4</sub> and An[N(SiMe <sub>3</sub> ) <sub>2</sub> ] <sub>3</sub> (An = U, Np, Pu). <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 2248-2256	5.1	205
387	Novel Layer Structure of Sodium Calix[4]arenesulfonate Complexes: A Class of Organic Clay Mimics?. <i>Angewandte Chemie International Edition in English</i> , <b>1988</b> , 27, 1361-1362		153
386	Synthetic, structural, and reactivity studies of the reduction and carbon monoxide derivatization of azobenzene mediated by divalent lanthanide complexes. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 4983-4994	16.4	148
385	Synthesis, relaxometric and photophysical properties of a new pH-responsive MRI contrast agent: the effect of other ligating groups on dissociation of a p-nitrophenolic pendant arm. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9248-56	16.4	119
384	A New Mechanism for Cement Hydration Inhibition: Solid-State Chemistry of Calcium Nitrilotris(methylene)triphosphonate. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 3074-3088	9.6	110
383	Inclusion of both cation and neutral molecule by a calixarene. Structure of the [p-tert-butylmethoxycalix[4]arene-sodium-toluene] <sup>+</sup> cation. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 1709-1710	16.4	102
382	Two-state propagation mechanism for propylene polymerization catalyzed by rac-[anti-ethylidene(1- $\eta$ -5-tetramethylcyclopentadienyl)(1- $\eta$ -5-indenyl)] dimethyltitanium. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 8569-8570	16.4	100
381	Alumoxanes as Cocatalysts in the Palladium-Catalyzed Copolymerization of Carbon Monoxide and Ethylene: Genesis of a Structure-Activity Relationship. <i>Organometallics</i> , <b>1996</b> , 15, 2213-2226	3.8	98
380	Lewis base adducts of uranium triiodide: a new class of synthetically useful precursors for trivalent uranium chemistry. <i>Inorganic Chemistry</i> , <b>1989</b> , 28, 1771-1773	5.1	95
379	Metal ion complexes of water-soluble calix[4]arenes. <i>Inorganic Chemistry</i> , <b>1992</b> , 31, 603-606	5.1	93
378	Cleavage of a phosphorus-carbon double bond and formation of a linear terminal phosphinidene complex. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 6734-6735	16.4	89
377	Second-sphere coordination of transition-metal complexes by calix[4]arenes. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 2760-2761	16.4	89
376	A molecular receptor based on the ferrocene system: selective complexation using atomic ball bearings. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 366-367	16.4	84
375	Synthesis, Structure, and Properties of the [E <sub>7</sub> M(CO) <sub>3</sub> ] <sub>3</sub> - Complexes Where E = P, As, Sb and M = Cr, Mo, W. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 8077-8086	16.4	81

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- 335 Preparation of group 4 metal complexes of a bulky amido-fluorenyl ligand. *Journal of Organometallic Chemistry*, **1996**, 508, 91-99 2.3 44
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- 331 Cleavage of Cyclodimethylsiloxanes by Dialkylaluminum Hydrides and the Nature of the Siloxaluminum Products. *Organometallics*, **1999**, 18, 5395-5408 3.8 43
- 330 Organometallic complexes with electron bridges. 7. Electrochemical, spectroscopic, and structural studies of mono- and bimetallic complexes of iron: x-ray crystal structures of CpFe(CO)<sub>2</sub>-C<sub>6</sub>F<sub>5</sub>, 4-CpFe(CO)<sub>2</sub>-C<sub>5</sub>F<sub>4</sub>N, and 1,4-C<sub>6</sub>F<sub>4</sub>(CpFe(CO)<sub>2</sub>)<sub>2</sub>. *Organometallics*, **1992**, 11, 589-597 3.8 42
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- 323 A bridge to coordination isomer selection in lanthanide(III) DOTA-tetraamide complexes. *Inorganic Chemistry*, **2007**, 46, 2584-95 5.1 38
- 322 Organometallic complexes with electronic bridges. 9. .pi-Donor interactions and the origin of arene nonplanarity in heterobimetallic (.eta.<sup>6</sup>-arene)chromium tricarbonyl complexes having .sigma.-bonded organometallic substituents: X-ray crystal structures of (.eta.<sup>6</sup>-C<sub>6</sub>H<sub>5</sub>)(.eta.<sup>5</sup>-C<sub>5</sub>H<sub>4</sub>Me)Cr(CO)<sub>3</sub>, (.eta.<sup>6</sup>-C<sub>6</sub>H<sub>5</sub>)(.eta.<sup>5</sup>-indenyl)Cr(CO)<sub>3</sub>, and (.eta.<sup>6</sup>-C<sub>6</sub>H<sub>5</sub>)(.eta.<sup>5</sup>-indenyl)Cr(CO)<sub>3</sub>. *Organometallics*, **1992**, 11, 3939-3955 3.8 38
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- 317 Preparation of Titanium Fluoroalkoxides by Alcoholysis of Titanium Alkoxides. *Inorganic Chemistry*, **1994**, 33, 4950-4958 5.1 37
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- 315 Bis(trimethylsilyl)phosphido complexes. Part 3. Syntheses, structures and reactions of [bis(trimethylsilyl)phosphido]-zirconocene(IV) complexes and the X-ray structure of  $\{\text{AlMe}_2[\beta\text{-P}(\text{SiMe}_3)_2]\}_2$ . *Journal of the Chemical Society Dalton Transactions*, **1991**, 939-948 37
- 314 Insertion of diphenyldiazomethane into  $[\text{ZrCp}_2(\text{Cl})\text{PR}_2]$  ( $\text{Cp} = \eta\text{-C}_5\text{H}_5$ ,  $\text{R} = \text{SiMe}_3$ ); X-ray structures of  $[\text{ZrCp}_2(\text{PR}_2)\text{X}]$  ( $\text{X} = \text{Cl}$  OR  $\text{Me}$ ) and  $[\text{PR}_2]$ . *Polyhedron*, **1988**, 7, 2083-2086 2.7 37
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- 301 Phosphine Ligand Attack at Both the Methyldiyne Cap and the CpNi Center in HCCo<sub>2</sub>NiCp(CO)<sub>6</sub> by 2,3-Bis(diphenylphosphino)maleic Anhydride (bma): P-C Bond Cleavage Reactivity, Kinetics, and X-ray Structures of the Zwitterionic Clusters 3.8 33
- 300 Reversible Chelate-to-Bridge Ligand Exchange in Co<sub>2</sub>(CO)<sub>4</sub>(μ-PhC.tplbond.CPh)(bma) and Alkyne-Diphosphine Ligand Coupling. Synthesis, Reactivity, and Molecular Structures of Co<sub>2</sub>(CO)<sub>4</sub>(μ-PhC.tplbond.CPh)(bma), Co<sub>2</sub>(CO)<sub>4</sub>(μ-PhC.tplbond.CPh){(Z)-Ph<sub>2</sub>PCH:CHPPh<sub>2</sub>}, and Co<sub>2</sub>(CO)<sub>4</sub>{η<sup>2</sup>-.η<sup>2</sup>-.η<sup>1</sup>-.η<sup>1</sup>-(Z)-Ph<sub>2</sub>PC(Ph):(Ph)CC:C(PPh<sub>2</sub>)C(O)OC(O)}. *Organometallics*, **1999**, 18, 3767-3769 3.8 33
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- 295 MOCVD Growth of Gallium Sulfide Using Di-tert-butyl Gallium Dithiocarbamate Precursors: Formation of a Metastable Phase of GaS. *Chemistry of Materials*, **1999**, 11, 3578-3587 9.6 31
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48	Molecular structure of $\text{PhOCH}_2\text{CH}(\text{OH})\text{CH}_2\text{OPh}$ . <i>Journal of Chemical Crystallography</i> , <b>1999</b> , 29, 247-250	0.5	2
47	Crystal structure of a bulky cyclic sulfite. <i>Journal of Chemical Crystallography</i> , <b>1995</b> , 25, 215-218	0.5	2
46	Synthesis and structure of exo-11-cyano-endo-11-(trimethylsilyloxy)pentacyclo[5.4.0.0.2,6.0.3,10.0.5,9]undecan-8-one. <i>Journal of Chemical Crystallography</i> , <b>1995</b> , 25, 267-271	0.5	2
45	Synthesis and base promoted intramolecular nucleophilic reaction of 8-hydroxy-1,2,3,4-tetrachloro-9,9-dimethoxy-1,4,4a,6,7,8-hexahydro-1,4-methanonaphthalene-5(1H)-one. <i>Journal of Chemical Crystallography</i> , <b>1995</b> , 25, 641-651		
44	Structure of the 1:1 Cycloadduct Formed via Thermal Reaction of Cyclopentadiene with Hexacyclo[10.2.1.0.2,11.0.4,9.0.4,14.0.9,13]pentadeca-5,7-diene-3,10-dione. <i>Tetrahedron</i> , <b>1995</b> , 51, 8733-8738	2.4	2
43	Synthesis and Structure of $[\text{Tp}(\text{Bu})\text{t}(2)]\text{In}$ , a Highly Twisted $[\text{Tris}(3,5\text{-di-tert-butylpyrazolyl})\text{hydroborato}]\text{indium(I)}$ Complex: Comparison with the Re-Evaluated Ordered Structure of $[\text{Tp}(\text{Bu})\text{t}]\text{In}$ . <i>Inorganic Chemistry</i> , <b>1996</b> , 35, 2708	5.1	2
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40	Crystal and molecular structures of two norbornane-2,5-dione dioximes. <i>Journal of Crystallographic and Spectroscopic Research</i> , <b>1993</b> , 23, 899-902		2
39	Structures of two hexacyclic cage diketone monoacetals. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1993</b> , 49, 1859-1862		2
38	Synthesis and base-induced methylation reactions of cis-7a-hydroxy-3a-(phenylsulfenyl)-3a,4,5,6,7,7a-hexahydro-4-indanone. <i>Journal of Organic Chemistry</i> , <b>1987</b> , 52, 1280-1284	4.2	2
37	Crystal and molecular structure of S-methyl(pentafluorosulfanyl)thiocarbamate. <i>Journal of Crystallographic and Spectroscopic Research</i> , <b>1987</b> , 17, 187-196		2
36	Lanthanide complexes of crown ethers, calixarenes and cyclodextrins: coordination versus inclusion. <i>Journal of the Less Common Metals</i> , <b>1986</b> , 126, 396		2
35	Stereospecific solid-state $\text{NaBH}_4$ -promoted reduction of 1-methylpentacyclo[5.4.0.0.2,6.0.3,10.0.5,9]undecane-8,11-dione. <i>Journal of Chemical Crystallography</i> , <b>1997</b> , 27, 661-665	0.5	1
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33	Synthesis, characterization and crystal density modeling of spiropolycyclic oxiranes. <i>Tetrahedron</i> , <b>1998</b> , 54, 4485-4492	2.4	1

32	Reaction of 1,2-bis(diphenylphosphino)cyclobutenedione (bpcbd) with fac-BrRe(CO) <sub>3</sub> (THF) <sub>2</sub> : X-ray diffraction structure of the dimeric complex [BrRe(CO) <sub>3</sub> ] <sub>2</sub> (bpcbd) · CH <sub>2</sub> Cl <sub>2</sub> . <i>Journal of Chemical Crystallography</i> , <b>2004</b> , 34, 127-133	0.5	1
31	X-ray diffraction structure of (5S)-3,4-dichloro-5-menthoxy-2(5H)-furanone. <i>Journal of Chemical Crystallography</i> , <b>2003</b> , 33, 585-588	0.5	1
30	[(2,2,9,9-tetramethyl-3,7-dithiadecane) decacarbonyl]tungsten(0). <i>Journal of Chemical Crystallography</i> , <b>2003</b> , 33, 701-704	0.5	1
29	Polyene ring attack in diag-CpRe(CO) <sub>2</sub> Br <sub>2</sub> by hydride and cyclopentadiene displacement to furnish trans(Br)-[Re(CO) <sub>4</sub> Br <sub>2</sub> ]. Under CO: X-ray diffraction structure of trans(Br)-[Re(CO) <sub>4</sub> Br <sub>2</sub> ][PPh <sub>4</sub> ]. <i>Journal of Chemical Crystallography</i> , <b>2005</b> , 35, 203-209	0.5	1
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25	Structure of a PCU-derived pinacol formed via sodiumpromoted reductive dimerization of pentacyclo[5.4.0.0 <sup>2,6</sup> .0 <sup>3,10</sup> .0 <sup>5,9</sup> ]undecane-8,11-dione monoethylene ketal. <i>Journal of Chemical Crystallography</i> , <b>1995</b> , 25, 517-520	0.5	1
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