

UNIVERSITY OF VICTORIA – CURRICULUM VITAE

Updated May 22, 2019

Name: HICKS, Robin Gary

Faculty: Science

Department: Chemistry

1. EDUCATION

Period	Degree	Institution
1986-90	B.Sc. Chemistry, 1 st Class Honours	Dalhousie University
1990-4	Ph.D. Chemistry	University of Guelph

2. POSTDOCTORAL EXPERIENCE

Period	Title	Institution
1994-6	NSERC Postdoctoral Fellow	University of California, Santa Barbara

3a. APPOINTMENTS AT THE UNIVERSITY OF VICTORIA

Period	Title	Department/Institute
Nov 1996 - Jun 2002	Assistant Professor	Chemistry
Jul 2002- June 2007	Associate Professor	Chemistry
Jul 2007 -	Professor	Chemistry
Jul 2006-Dec 2008	Director	Center for Advanced Materials and Related Technologies (CAMTEC)
Jan 2017-Jun 2020	Associate Dean, Academic	Faculty of Science

3b. Leaves

Period	Nature of Leave
July 2003 - Jun 2004	Study Leave (University of Washington)
Aug 2004- Dec 2004	Parental Leave
Jan 2012- Dec 2012	Study Leave

4. MAJOR FIELDS of SCHOLARLY or PROFESSIONAL INTEREST

Inorganic and Organic Chemistry

Stable radicals and their coordination complexes

Redox-active ligands and their coordination complexes

Functional dyes

Molecule-based Magnetic, Electronic, and Optical Materials

Materials Science

5. RESEARCH GRANTS and FELLOWSHIPS			
a. Research Operating Grants			
	Agency, Program: Title (co-applicants if applicable)	Period (mm/yy)	\$\$ per year (% to me)
1	UVic Internal Research Grant	04/97-03/98	\$1,035
2	NSERC Discovery Grant: <i>Synthesis and materials properties of stable radicals and oligoheterocycles</i>	04/97-03/98	\$33,000
3	UVic Internal Research Grant	04/98-03/99	\$1,250
4	NSERC Discovery Grant: <i>Synthesis and materials properties of stable radicals and oligoheterocycles</i>	04/98-03/99	\$36,300
5	UVic Internal Research Grant	04/99-03/00	\$1,021
6	NSERC Discovery Grant: <i>Radicals and Heterocycles: Synthesis, Characterization, Materials Properties</i>	04/99-03/01	\$36,288
7	UVic Internal Research Grant	04/00-03/01	\$1,062
8	NSERC Discovery Grant: <i>Heterocyclic Chemistry: Towards Advanced Magnetic and Electronic Materials</i>	04/01-03/06	\$50,000
9	UVic Internal Research Grant	04/01-03/02	\$1,100
10	Department of National Defence: <i>Synthesis and Characterization of New Conducting Polymers With Enhanced Stability</i>	04/01-03/04	\$69,300
11	University of Toronto Prototype Development Fund: <i>Systematic Synthesis of Verdazyl Radicals: Agents for Controlled Radical Polymerization Processes</i> (with MK Georges, Toronto)	01/02-12/02	\$15,000 (50%)
12	UVic Internal Research Grant	04/02-03/03	\$1,100
13	NSERC Collaborative Research Opportunity: <i>New Coordination Complexes and Polymers Based on Metal-Dioxolene Assemblies: Towards New Magnetic Materials</i>	04/02-03/06	\$139,000
14	UVic Internal Research Grant	04/03-03/04	\$750
15	ACS Petroleum Research Fund Research Grant (Type AC): <i>New vistas in stable radical chemistry</i>	09/03-08/05	USD \$40,000
16	UVic Internal Research Grant	04/04-03/05	\$750
17	UVic Internal Research Grant	04/05-03/06	\$750
18	NSERC Idea to Innovation (I2I): <i>Development of New Living Radical Polymerization Processes</i> (with MK Georges, Toronto)	09/05-08/06	\$125,000 (45%)
19	UVic Internal Research Grant	04/06-03/07	\$725
20	NSERC Discovery Grant: <i>Stable radicals & their metal complexes</i>	04/06-03/09	\$60,000
21	UVic Internal Research Grant	04/07-03/08	\$675
22	UVic Internal Research Grant	04/08-03/09	\$750
23	Petroleum Research Fund Research Grant (Type ND): <i>"Nindigo": indigo diimines as a new bridging ligand family</i>	01/09-12/10	USD \$50,000
24	NSERC Discovery Grant: <i>Redox active ligands & metal complexes</i>	04/09-03/14	\$60,000
25	NSERC Discovery Grant Accelerator Supplement	04/09-03/12	\$40,000
26	Petroleum Research Fund Research Grant (Type ND): <i>Design, synthesis, and properties of new functional dyes based on the perinaphthindigo template</i>	01/14-12/16	USD \$50,000
27	NSERC Discovery Grant: <i>Redox active ligands & metal complexes</i>	04/14-03/19	\$54,000
28	NSERC Discovery Grant: <i>Discovery-oriented dye chemistry</i>	04/19-03/24	\$29,000

b. Equipment Grants			
	Agency, Program: Title (Principal Investigator or Co-Applicant; total # of CAs)	Year	Amount
1	UVic Startup Funds	1996	\$60,000
2	UVic Startup Funds	1997	\$40,000
3	NSERC Equipment: <i>glove box</i> (PI; 1)	1997	\$59,000
4	NSERC Major Equipment: <i>EPR Spectrometer</i> (PI; 6)	1998	\$276,914
5	NSERC Equipment : <i>NMR Broadband probe</i> (CA; 4)	1999	\$46,723
6	NSERC Equipment: <i>FTIR spectrometer</i> (PI; 8)	2000	\$70,193
7	NSERC Major Installation: <i>500 MHz NMR spectrometer</i> (CA; 6)	2001	\$700,000
8	NSERC Equipment: <i>Benchtop mass spec with solid probe</i> (CA: 5)	2002	\$136,000
9	NSERC Equipment: <i>X-ray diffractometer upgrade</i> (CA: 4)	2003	\$86,107
10	NSERC RTI1: <i>Helium Cryostat for EPR Spectrometer</i> (CA; 2)	2005	\$75,697
11	NSERC RTI1: <i>DSC/TGA</i> (CA; 5)	2007	\$60,930
12	NSERC RTI1: <i>Electrospray mass spectrometer</i> (CA; 5)	2007	\$120,640
13	Western Economic Development Program: <i>NMR Upgrade</i> (CA: 7)	2008	\$150,000
14	NSERC Equipment: <i>NMR console</i>	2008	\$150,000
15	NSERC RTI1: <i>UV-visible-Near IR spectrometer</i> (PI; 5)	2008	\$149,960
16	NSERC RTI1: <i>Electrochemical workstation</i> (PI; 3)	2009	\$24,717
17	NSERC RTI1: <i>fluorimeter upgrade</i> (CA: 2)	2013	\$65,865
18	NSERC RTI1: <i>A high resolution, supersonically cooled "cold-EI" mass spectrometer</i> (CA; 10)	2014	\$150,000
19	NSERC RTI1: <i>Mass spectrometer</i> (CA; 7)	2015	\$150,000
20	NSERC RTI1: <i>X-ray diffractometer upgrade</i> (CA; 12)	2015	\$150,000
21	CFI IF: CHIPMARC - Canadian High Polarization Magnetic Resonance Centre (University of Alberta; CA: 10)	2017	\$2,610,000
22	NSERC RTI1: <i>An ion mobility spectrometry-high resolution tandem mass spectrometer</i> (CA: 6)	2018	\$146,678

5c. Honours, fellowships, and scholarships

1990-4	NSERC Postgraduate Scholarship
1994-6	NSERC Postdoctoral Fellowship
1994	Official Runner up in the NSERC Doctoral Prize Competition
1995	D.G. Ingram Award, Guelph Chapter of the Sigma Xi Scientific Research Society
2001	Travel Award, Canadian National Committee for the International Union of Pure and Applied Chemistry
2001	Travel Award, Ichikizaki Fund for Young Chemists
2003	Canadian Society for Chemistry Award for Pure or Applied Inorganic Chemistry
2003	UVic Craigdarroch Silver Medal for Research Excellence
2005	UVic Faculty of Science Award for Research Excellence
2007	Vancouver Island 'Visionaries Under 40' Award
2009	NSERC Discovery Accelerator Supplement Award

6. PUBLICATIONS and PRESENTATIONS

a. Articles published in refereed journals

C=communication, F=Full paper, R=review/account, N=note

Publications from B.Sc., doctoral, and postdoctoral research

- 01C** Burford, N., R.G. Hicks, B.W. Royan, B. Borecka, and T.S. Cameron, **1991**. Structure of Diphenylamine-Trichloraluminum (III) (1/1). *Acta Cryst.* **C47**, 1066-7.
-
- 02F** Cordes, A.W., R.C. Haddon, R.G. Hicks, R.T. Oakley, T.T.M. Palstra, L.F. Schneemeyer, and J.V. Waszczak, **1992**. Polymorphism of 1,3-Phenylene Bis(1,2,3,5-Diselenadiazolyl); Solid State Structural and Electronic Properties of β -1,3-[(Se₂N₂C)₆H₄(CN₂Se₂)]. *J. Am. Chem. Soc.*, **114**, 1729-32.
- 03F** Cordes, A.W., R.C. Haddon, R.G. Hicks, R.T. Oakley, and T.T.M. Palstra, **1992**. Preparation and Solid State Structures of (Cyanophenyl)dithiadiazolyl and (Cyanophenyl)diselenadiazolyl Radicals. *Inorg. Chem.*, **31**, 1802-8.
- 04F** Cordes, A.W., R.C. Haddon, R.G. Hicks, R.T. Oakley, T.T.M. Palstra, L.F. Schneemeyer, and J.V. Waszczak, **1992**. Preparation and Solid State Structural, Electronic, and Magnetic Properties of the 1,3,5-Benzene-bridged Tris(1,2,3,5-dithiadiazolyl), [1,3,5-C₆H₃(CN₂S₂)₃]. *J. Am. Chem. Soc.*, **114**, 5000-4.
- 05F** Cordes, A.W., C.M. Chamchoumis, R.G. Hicks, R.T. Oakley, K.M. Young, and R.C. Haddon, **1992**. Mono- and Difunctional Furan-based 1,2,3,5-Dithiadiazolyl Radicals: Preparation and Solid State Structures of 2,5-[(S₂N₂C)OC₄H₂(CN₂S₂)₂] and 2,5-[(S₂N₂C)OC₄H₂(CN)]. *Can. J. Chem.*, **70**, 919-25.
- 06C** Cordes, A.W., S.H. Glarum, R.C. Haddon, R. Hallford, R.G. Hicks, D.K. Kennepohl, R.T. Oakley, T.T.M. Palstra, and S.R. Scott, **1992**. Preparation and Solid-State Characterization of 1,2,3,5-Diselenadiazolyl [HCN₂Se₂]. *J. Chem. Soc. Chem. Commun.*, 1265-6.
-
- 07C** Davis, W.M., R.G. Hicks, R.T. Oakley, B. Zhao, and N.J. Taylor, **1993**. Solid State Intermolecular Interactions in Cyanofunctionalized Diselenadiazolyl Dimers. *Can. J. Chem.*, **71**, 180-5.
- 08F** Cordes, A.W., R.C. Haddon, R.G. Hicks, D.K. Kennepohl, R.T. Oakley, L.F. Schneemeyer, and J.V. Waszczak, **1993**. Preparation and Solid State Structure of the 1,3,5-Triazine-bridged Tris(1,2,3,5-dithiadiazolyl) [N₃C₃(CN₂S₂)₃]. *Inorg. Chem.*, **32**, 1554-8.
- 09F** Cordes, A.W., R.C. Haddon, R.G. Hicks, D.K. Kennepohl, R.T. Oakley, T.T.M. Palstra, L.F. Schneemeyer, S.R. Scott, and J.V. Waszczak, **1993**. Preparation and Solid State Structural, Electronic, and Magnetic Properties of the 5-Cyano-1,3-Benzene-Bridged Bis(1,2,3,5-dithiadiazolyl) and Bis(1,2,3,5-diselenadiazolyl), [5-CN-1,3-C₆H₃(CN₂E₂)₂] (E=S,Se). *Chem. Mater.*, **5**, 820-5.
- 10F** Cordes, A.W., C.D. Bryan, W.M. Davis, R.H. DeLaat, S.H. Glarum, J.D. Goddard, R.C. Haddon, R. Hallford, R.G. Hicks, D.K. Kennepohl, R.T. Oakley, S.R. Scott, and N.P.C. Westwood, **1993**. Prototypical 1,2,3,5-Dithia- and 1,2,3,5-Diselenadiazolyl [HCN₂E₂] (E = S, Se): Molecular and

Electronic Structures of the Radicals and Their Dimers, by Theory and Experiment. *J. Am. Chem. Soc.*, **115**, 7232-9.

-
- 11F** Bryan, C.D., A.W. Cordes, R.C. Haddon, R.G. Hicks, D.K. Kennepohl, C.D. MacKinnon, R.T. Oakley, T.T.M. Palstra, A.S. Perel, S.R. Scott, L.F. Schneemeyer, and J.V. Waszczak, **1994**. Molecular Conductors from Neutral Radical Charge-Transfer Salts: Preparation and Characterization of an Iodine-Doped Hexagonal Phase of 1,2,3,5-Dithiadiazolyl [HCN₂S₂]. *J. Am. Chem. Soc.*, **116**, 1205-10.
- 12F** Bryan, C.D., A.W. Cordes, R.C. Haddon, R.G. Hicks, R.T. Oakley, T.T.M. Palstra, A.S. Perel, and S.R. Scott, **1994**. Charge-Transfer Complexes of 4-Phenyl-1,2,3,5-dithiadiazolyl and 4-Phenyl-1,2,3,5-diselenadiazolyl With Iodine: Preparation and Solid State Characterization of [PhCN₂E₂]₃[I₃] and of [PhCN₂E₂][I₃]. *Chem. Mater.*, **6**, 508-15.
- 13C** Bryan, C.D., A.W. Cordes, R.C. Haddon, R.G. Hicks, R.T. Oakley, T.T.M. Palstra, and A.S. Perel, **1994**. Preparation and Solid-State Characterization of 4,4'-Bis(1,2,3,5-dithiadiazolyl). *J. Chem. Soc. Chem. Commun.*, 1447-8.
- 14N** Hicks, R.G., C.D. MacKinnon, R.T. Oakley, C.D. Bryan, A.W. Cordes, and R.C. Haddon, **1994**. Preparation, Structure, and Chemistry of a Novel Disjoint Diradical, 4,4'-Bis(1,2,3,5-dithiadiazolyl). *Phosph. Sulf. Sil. Relat. El.*, **93-4**, 439-40.
-
- 15F** Bryan, C.D., A.W. Cordes, J.D. Goddard, R.C. Haddon, R.G. Hicks, C.D. MacKinnon, R.C. Mawhinney, R.T. Oakley, T.T.M. Palstra, and A.S. Perel, **1996**. Preparation and Characterization of the Disjoint Diradical 4,4'-Bis(1,2,3,5-dithiadiazolyl) [S₂N₂C-CN₂S₂] and its Iodide Charge-Transfer Salt [S₂N₂C-CN₂S₂][I]. *J. Am. Chem. Soc.*, **118**, 330-8.
- 16C** Keshavarz-K., M., R. Gonzalez, R.G. Hicks, G. Srdanov, V.I. Srdanov, T.G. Collins, J.C. Hummelen, C. Bellavia-Lund, F. Wudl, and K. Holczer, **1996**. Synthesis of Hydroazafullerene C₅₉HN: The Parent Hydroheterofullerene. *Nature*, **383**, 147-50.
-
- 17F** Boéré, R.T., R.G. Hicks, and R.T. Oakley, **1997**. N,N,N'-Tris(trimethylsilyl)amidines. *Inorg. Synth.*, **31**, 94-8.
- 18C** Bellavia-Lund, C., R. Gonzalez, J.C. Hummelen, R.G. Hicks, A. Sastre, and F. Wudl, **1997**. Synthesis of C₅₉(CHPh₂)N from (C₅₉N)₂ and C₅₉HN: The First Derivatization of C₅₉N. *J. Am. Chem. Soc.*, **119**, 2946-7.
- 19F** Bellavia-Lund, C., M. Keshavarz-K., R. Gonzalez, J.C. Hummelen, R.G. Hicks, and F. Wudl, **1997**. Heterocyclic and Heteroatom Derivatives of C₆₀. *Phosph. Sulf. Sil. Relat. El.*, **120-1**, 107-119.
-
- 20C** Hutchison, K., G. Srdanov, R.G. Hicks, H. Yu, F. Wudl, T. Strassner, M. Nendel, and K.N. Houk, **1998**. Tetraphenylhexaazaanthracene: A Case for Dominance of Cyanine Ion Stabilization Overwhelming 16π Antiaromaticity. *J. Am. Chem. Soc.* **120**, 2989-90.
- 21F** Cordes, A.W., R.C. Haddon, R.G. Hicks, R.T. Oakley, and K.E. Vajda, **1998**. Iodine charge-transfer salts of bis(1,2,3,5-diselenadiazolyl) diradicals; solid-state characterization of the thiophene-bridged derivative [(Se₂N₂C)C₄H₂S(CN₂Se₂)]₂[I]. *Can. J. Chem.*, **76**, 307-12.
-

UVic publications

- 22C** Hicks, R.G.* and R. Hooper, **1999**. Synthesis and EPR Characterization of “Phosphaverdazyl” Radicals. *Inorg. Chem.*, **38**, 284-6.
- 23F** Chase, P.A., C.L. Barr, R.G. Hicks,* M.T. Lemaire, and C.L. Stevens, **1999**. Synthesis and Characterization of Verdazyl Radicals Bearing Pyridine or Pyrimidine Substituents: A new Family of Chelating Spin-Bearing Ligands. *J. Org. Chem.*, **64**, 8893-7.
-
- 24F** Hicks, R.G.* and M.B. Nodwell, **2000**. Synthesis and Electronic Structure Investigations of α,ω -Bis(arylthio)oligothiophenes: Towards Understanding Wire-Linker Interactions in Molecular Scale Electronic Materials. *J. Am. Chem. Soc.* **122**, 6746-53.
- 25C** Hicks, R.G.,* M.T. Lemaire, L.K. Thompson, and T.M. Barclay, **2000**. Strong Ferromagnetic and Antiferromagnetic Exchange Coupling Between Transition Metals and Coordinated Verdazyl Radicals. *J. Am. Chem. Soc.*, **122**, 8077-8.
- 26C** Barclay, T.M., R.G. Hicks,* M.T. Lemaire, and L.K. Thompson, **2000**. Structure and Magnetic Properties of a Nickel (II) Complex of a Tridentate Verdazyl Radical: Strong Intramolecular Metal – Radical Exchange Coupling. *Chem. Commun.*, 2141-2.
-
- 27F** Hicks, R.G.,* L.Öhrström,* and G.W. Patenaude, **2001**. Spin Distributions, Ring Conformations, and Spiroconjugation in “Phosphaverdazyl” Radicals. *Inorg. Chem.*, **40**, 1865-70.
- 28F** Hicks, R.G.,* Lemaire, M.T., Öhrström, L., Richardson, J.F., Thompson, L.K., and Xu, Z., **2001**. Strong Supramolecular-Based Magnetic Exchange in π -Stacked Radicals. Structure and Magnetism of a Hydrogen-Bonded Verdazyl Radical: Hydroquinone Molecular Solid. *J. Am. Chem. Soc.* **123**, 7154-9.
- 29F** Barclay, T.M., Hicks, R.G.,* Lemaire, M.T., and Thompson, L.K. **2001**. Synthesis, Structure and Magnetism of Bimetallic Manganese or Nickel Complexes of a Bridging Verdazyl Radical. *Inorg. Chem.* **40**, 5581-4.
- 30N** Barclay, T.M., Hicks, R.G.,* Lemaire, M.T., and Thompson, L.K. **2001**. Weak Magnetic coupling of Coordinated Verdazyl Radicals Through Diamagnetic Metal Ions. Synthesis, Structure and Magnetism of a Homoleptic Copper(I) Complex. *Inorg. Chem.* **40**, 6521-4.
- 31R** R.G. Hicks, **2001**. Transition Metal Complexes of Verdazyl Radicals: New Building Blocks for Molecule-Based Magnets. *Austral. J. Chem.* **54**, 597-600 (invited account).
-
- 32F** T.M. Barclay, R.G. Hicks,* A.S. Ichimura, and Greg W. Patenaude, **2002**. Synthesis and Characterization of a Spirocyclic Phosphaverdazyl Radical–Cyclophosphazene Hybrid. Evidence for Spin Transfer From a Verdazyl Radical to a Phosphazene Ring. *Can. J. Chem.* **80**, 1501-6.
- 33C** T.M. Barclay, R.G. Hicks,* M.T. Lemaire, L.K. Thompson, and Z. Xu, **2002**. Synthesis and Coordination Chemistry of a Water-Soluble Verdazyl Radical. Structures and Magnetic Properties of $M(H_2O)_2(vdCO_2)_2 \cdot 2H_2O$ [M = Co, Ni; $vdCO_2$ = 1,5-dimethyl-6-oxo-verdazyl-3-carboxylate], *Chem. Commun.*, 1688-9.
-
- 34F** J. Casado, R.G. Hicks,* V. Hernandez, J.T. Lopez-Navarreto,* and D.J.T. Myles, **2003**. Infrared and

-
- Raman features of a series of α,ω -bis(arylthio)oligothiophenes as molecular wires. A π -electron delocalisation study. *J. Chem. Phys.* **118**, 1912-20.
- 35F** T.M. Barclay, R.G. Hicks,* M.T. Lemaire, and L.K. Thompson, **2003**. Verdazyl Radicals as Oligopyridine Mimics: Structures and Magnetic Properties of M(II) Complexes of 1,5-Dimethyl-3-(2,2'-bipyridin-6-yl)-6-oxoverdazyl (M = Mn, Ni, Cu, Zn). *Inorg. Chem.* **42**, 2261-7.
-
- 36C** M. Chahma, R.G. Hicks,* and D.J.T. Myles. **2004**. Synthesis and characterization of a conducting organomain group polymer, poly[bis(3,4-ethylenedioxy-2-thienyl)sulfide]: A heteroaromatic relative of poly(p-phenylene sulfide)", *Macromolecules*, **37**, 2010-12.
- 37F** R.G. Hicks. **2004**. The 2003 CSC Pure or Applied Inorganic Chemistry Award Lecture: Adventures in Stable Radical Chemistry. *Canadian Journal of Chemistry*, **82**, 1119-27.
- 38C** R.G. Hicks,* B.D.Koivisto, and M.T. Lemaire, **2004**. Synthesis of multitopic verdazyl radical ligands. Paramagnetic supramolecular synthons. *Org. Lett.* **6**, 1887-90.
- 39F** M. Chahma and R.G. Hicks*, **2004**. Synthesis and electropolymerization behaviour of ethylenedioxythiophene-substituted silanes. *Can. J. Chem.* **82**, 1629-1633.
-
- 40F** M. Chahma, R.G. Hicks,* and D.J.T. Myles, **2005**. Synthesis, characterization, and coordination chemistry of phosphines with (3,4-ethylenedioxy)thiophene substituents. *Can. J. Chem.* **83**, 150-5.
- 41R** B.D. Koivisto and R.G. Hicks*, **2005**. The magnetochemistry of verdazyl radical-based materials. *Coord. Chem. Rev.* **249**, 2612-2630.
- 42F** M. Chahma, D.J.T. Myles, and R.G. Hicks*, **2005**. Synthesis and electropolymerization behavior of bis(oligothienyl) sulfides. Generation of heteroaromatic poly(p-phenylene sulfide) analogs. *Chem. Mater.* **17**, 2672-8.
- 43F** J. Casado, M.Z. Zgierski, R.G. Hicks,* D. J.T. Myles, P.M. Viruela, E. Ortí*, M. C.R. Delgado, V. Hernández, and J. T. López Navarrete*, **2005**. Mesitylthio-oligothiophenes in various redox states. Molecular and electronic views offered by spectroscopy and theory. *J. Phys. Chem. B.* **109**, 11275-84.
-
- 44C** B.D. Koivisto, AS. Ichimura*, R. McDonald, M.T. Lemaire, L.K. Thompson, and R.G. Hicks*, **2006**. Intramolecular π -dimerization in a 1,1'-ferrocene-bridged verdazyl diradical. *J. Am. Chem. Soc.* **28**, 690-1.
- 45F** M.T. Lemaire, T. M. Barclay, L.K. Thompson, R.G. Hicks*, **2006**, Synthesis, structure, and magnetism of a binuclear Co(II) complex of a potentially *bis*-bidentate verdazyl radical ligand. *Inorg. Chim. Acta*, **359**, 2616-21. [invited contribution to special issue honouring Brian James]
- 46F** J. Jornet, M. Deumal, J. Ribas-Ariño, M.J. Bearpark, M.A. Robb, R.G. Hicks*, J.J. Novoa*, **2006**. A First-Principles Bottom-Up Reinvestigation of the Magnetism of the Pyridyl - Verdazyl : Hydroquinone Molecular Co-crystal. The Importance of Direct versus Superexchange Through-

Space Magnetic Interactions. *Chem. Eur. J.* **12**, 3995-4005.

- 47F** R. Jain, S. L. Caldwell, A.S. Louie, R.G. Hicks*, **2006**. Synthesis and characterization of 2,7-bis(2-pyridyl)-1,8-diazaanthraquinone. A redox-active ligand designed for the construction of supramolecular grids. *Can. J. Chem.* **84**, 1263-7.
- 48F** J.B. Gilroy, B.D. Koivisto, R. McDonald, M.J. Ferguson, and R.G. Hicks*, **2006**. Magnetostructural studies of Cu(II) verdazyl complexes. *J. Mater. Chem.* **16**, 2618-24.
-
- 49C** J.B. Gilroy, M.J. Ferguson, R. McDonald, R.G. Hicks*, **2007**. Formazans as π -diketimine mimics. Structural characterization of boratetetrazines and their reduction to borataverdazyl radical anions. *Chem. Commun.* 126-8.
- 50C** R. Jain, K. Kabir, J. Gilroy, K.A.R. Mitchell, K. Wong, and R.G. Hicks*, **2007**. High-temperature metal-organic magnets. *Nature*, **445**, 291-4.
- 51C** S.J. Teertstra, E. Chen, D. Chan-Seng, P.O. Otieno, R. G. Hicks* and M.K. Georges*, **2007**. Verdazyl-Mediated Polymerization of Styrene. "Radical Polymerization: Kinetics and Mechanism" *Macromolecular Symposia, vol 248*, M. Buback and A.M. van Herk, eds., Wiley-VCH, 2007, pp. 117-25.
- 52N** R.G. Hicks, **2007**. Preface to the Proceedings of ICMM 2006. *Polyhedron*, **26**, 1763.
- 53R** R.G. Hicks, **2007**. What's new in stable radical chemistry? *Org. Biomol. Chem.* **5**, 1321-1338 (invited review).
- 54F** E. Chen, D. Chan-Seng, P.O. Otieno, R.G. Hicks*, and M.K. Georges, **2007**. Verdazyl-mediated living radical polymerization of styrene and n-butyl acrylate. *Macromolecules*, **40**, 8690-6.
- 55F** J.B. Gilroy, S.D.J. McKinnon, P. Kennepohl, M.S. Zsombor, M.J. Ferguson, L.K. Thompson, and R.G. Hicks*, **2007**. Probing electronic communication in stable benzene-bridged verdazyl diradicals. *J. Org. Chem.* **70**, 8062-9.
- 56C** M. Chahma and R.G. Hicks*, **2007**. Linear and branched electroactive polymers based on ethylenedioxythiophene-triarylamine conjugates. *J. Mater. Chem.*, **17**, 4768-71.
- 57C** J.B. Gilroy, S.D.J. McKinnon, B.D. Koivisto, and R.G. Hicks*, **2007**. Electrochemical studies of verdazyl radicals. *Org. Lett.* **9**, 4837-40.
-
- 58C** J.B. Gilroy, P. O. Otieno, M.J. Ferguson, R. McDonald, B.O. Patrick, and R.G. Hicks*, **2008**. Synthesis and characterization of 3-cyano and 3-nitroformazans. Nitrogen-rich analogues of π -diketimines. *Inorg. Chem.*, **47**, 1279-86.
- 59F** J.B. Gilroy, R. McDonald, B.O. Patrick, and R.G. Hicks*, **2008**. Transition metal complexes of 3-cyano and 3-nitroformazans. *Inorg. Chem.* **47**, 1287-94.
This paper was one of Inorganic Chemistry's Top 10 Most Accessed Articles for Jan-Mar 2008

- 60F** J.B. Gilroy, M.J. Ferguson, R. McDonald, and R.G. Hicks*, **2008**. Synthesis and characterization of palladium-formazan complexes. *Inorganica Chimica Acta*, **361**, 3388-93.
Invited contribution to a special issue in honour of Dante Gatteschi
- 61F** S.L. Caldwell, J.B. Gilroy, R. Jain, E. Crawford, B.O. Patrick, and R.G. Hicks*, **2008**. Synthesis and redox properties of a phosphine-substituted p-dioxolene and its bimetallic palladium complex. *Can. J. Chem.* **86**, 976-81.
- 62R** R.G. Hicks, **2008**. Metal complexes of aminyl radicals. *Angew. Chem. Int. Ed.* **47**, 7393-5.
- 63F** D.J.T. Myles, M. Chahma, and R.G. Hicks*, **2008**. Synthesis and electronic structure investigations of end-capped bis(oligothienyl)sulfides. *Can. J. Chem.* **86**, 982-91.
-
- 64F** D.E. Berry, R.G. Hicks, and J.B. Gilroy*, **2009**. Formazan-based heterocycles. Synthesis and characterization of a stable verdazyl radical and a related boron-containing heterocycle. *J. Chem. Ed.* **86**, 76-9.
- 65F** S. Hong, L.M.R. Hill, B.D. Naab, A.K. Gupta, J.B. Gilroy, R.G. Hicks*, C.J. Cramer*, and W.B. Tolman*, **2009**. Effects of electron-deficient π -diketiminato and formazan supporting ligands on copper(I) mediated dioxygen activation. *Inorg. Chem.* **48**, 4514-23.
- 66F** J.B. Gilroy, M.T. Lemaire, B.O. Patrick, and R.G. Hicks*, **2009**. Structure and magnetism of a verdazyl radical clathrate hydrate. Strong intermolecular magnetic interactions derived from π -stacking within ice-like channels. *CystEngComm*, **11**, 2180-4.
-
- 67C** S.D.J. McKinnon, B.O. Patrick, A.B.P. Lever*, and R.G. Hicks*, **2010**. Verdazyl radicals as redox-active, non-innocent, ligands. Contrasting electronic structures as a function of electron-poor and electron-rich ruthenium bis(π -diketonato) co-ligands. *Chem. Commun.* **46**, 773-5.
- 68C** S.R. Oakley, G. Nawn, K.M. Waldie, T.D. MacInnis, B.O. Patrick, and R.G. Hicks*, **2010**. "Nindigo": Synthesis, coordination chemistry, and properties of indigo diimines as functional bridging ligands. *Chem. Commun.* **46**, 6753-5.
This paper was highlighted in Chemical & Engineering News (Sept. 13 issue, 2010, p.27) as a 'Science Concentrate'
-
- 69F** S.D.J. McKinnon, Joe B. Gilroy, Robert McDonald, Brian O. Patrick, and R.G. Hicks*, **2011**. Magnetostructural and electrochemical studies of palladium(II) and platinum(II) complexes of verdazyl radicals. *J. Mater. Chem.* **21**, 1523-1530.
Invited contribution to a special issue in honour of Fred Wudl
- 70R** R.G. Hicks, **2011**. A new 'spin' on bistability. *Nature Chemistry*, **3**, 189-91.
Invited "News & Views" Article
- 71F** K.J. Anderson, J.B. Gilroy, B.O. Patrick, R. McDonald, M.J. Ferguson, and R.G. Hicks*, **2011**. Synthesis, magnetic, and redox properties of zinc complexes of verdazyl radicals and diradicals.

*Inorg. Chim. Acta.***374(1)**, 480-8.

Invited contribution to a special issue in honour of Wolfgang Kaim

- 72F** G.Nawn, K.M. Waldie, S.R. Oakley, B.D. Peters, D. Mandel, B.O. Patrick, and R.G. Hicks, **2011**. Synthesis, characterization, and coordination chemistry of indigo diimine ('Nindigo') derivatives. A new type of binucleating redox-active ligand. *Inorg. Chem.* **50**, 9826-37.
Invited contribution to Inorg. Chem. forum on redox-active ligands
- 73F** S.D.J. McKinnon, Brian O. Patrick, A.B.P. Lever* and R.G. Hicks*, **2011**. Electronic structure investigations of neutral and charged ruthenium bis(β -diketonate) complexes of verdazyl radicals. A new family of redox-active ligands. *J. Am. Chem. Soc.***133**, 13587-13603.
-
- 74F** G. Nawn, M. Majewski, R. McDonald, and R.G. Hicks*, **2013**. Redox-active, near-infrared dyes based on 'Nindigo' (indigo *N,N'*-diarylimine) boron chelate complexes. *Chem. Sci.* **4**, 612-21.
- 75F** Stephen D.J. McKinnon, Brian O. Patrick, A.B.P. Lever,* and Robin G. Hicks,* **2013**. Binuclear ruthenium complexes of a neutral radical bridging ligand. A new 'spin' on mixed valency. *Inorg. Chem.* **52**, 8053-66.
- 76F** Graeme Nawn, Robert MacDonald, and Robin G. Hicks*, **2013**. Synthesis and characterization of heterobimetallic (Pd/B) Nindigo complexes and comparative studies with their homobimetallic (Pd₂, B₂) analogues. *Inorg. Chem.* **52**, 10912-10929.
- 77F** Cooper W. Johnston, Stephen D.J. McKinnon, Brian O. Patrick, and Robin G. Hicks*, **2013**. The first "Kuhn verdazyl" ligand and comparative studies of its PdCl₂ complex with analogous 6-oxoverdazyl ligands, *Dalton Trans.* **42** (48), 16829 – 16836.
-
- 78F** Tyler Trefz, Md. Khayrul Kabir, Rajsapan Jain, Brian O. Patrick, and Robin G. Hicks, **2014**. Unconventional redox properties of hydroquinones with intramolecular OH - - N hydrogen bonds. *Can J. Chem.* **92(10)**, 1010-1020.
Invited contribution to a special issue in honour of Barry Lever.
- 79C** Corey A. Sanz, Michael J. Ferguson, Robert McDonald, Brian O. Patrick, and Robin G. Hicks, **2014**. Classical and nonclassical redox reactions of Pd(II) complexes containing redox-active ligands. *Chem. Comm.* **50**, 11676-8.
Invited contribution to a special virtual issue on redox-active ligands
- 80F** Geneviève Boice, Brian O. Patrick, Robert McDonald, Cornelia Bohne*, and Robin G. Hicks*, **2014**. Synthesis and photophysical properties of thioindigo diimines and related compounds. *J. Org. Chem.* **79**, 9196-9205.
- 81C** Cooper W. Johnston, Travis R. Schwantje, Michael J. Ferguson, Robert McDonald, and Robin G. Hicks*, **2014**. Metal-ligand redox non-innocence modulates allosteric C-N bond homolysis in an N-benzyl tetrazine. *Chem. Comm.* **50**, 12542-48.
-
- 82C** Emma C. Nicholls-Allison, Graeme Nawn, Brian O. Patrick, and Robin G. Hicks*, **2015**. Protoisomerization of indigo di- and mono-imines. *Chem. Commun.* **51**, 12482-5.

- 83F** L.Hajjar, R.G. Hicks* and T. Zheng,* **2016**. A computational study of the protoisomerization of indigo and its imine derivatives. *J. Phys. Chem. A*, in press.
-
- 84** C.A. Sanz, Z.R. McKay, Shaun X. MacLean, B.O. Patrick, and R.G. Hicks*, **2017**. Synthesis and redox reactions of bis(verdazyl)palladium complexes. *Dalton Trans.* *46*, 12636-44
-
- 85** G.N. Boice, S.Garakyaraghi, B.O. Patrick, C.A. Sanz, F., N. Castellano,* and R.G. Hicks, **2018**. Diastereomerically-Differentiated Excited State Behavior in Ruthenium(II) Hexafluoroacetylacetonate Complexes of Diphenyl Thioindigo Diimine. *Inorg. Chem.* *57*, 1386-97.

b. Patents

1. R. Jain and R.G. Hicks, "High-temperature metal-organic acceptor magnets", US Patent US-2007-0164251-A1 July 19, 2007.
2. R.G. Hicks and M.K. Georges, "Moderately unstable verdazyl agents for the production of free standing polymers", US Provisional Patent Application #60/673,249, filed April 19, 2005.

c. Books Edited

1. "Stable Radicals: Fundamental and Applied Aspects of Odd-Electron Compounds", John Wiley & Sons, Ltd: Wiltshire, **2010**. This book is 606 pages long and contains seventeen contributed chapters.

d. Book Chapters

1. R.G. Hicks, **2010**. Stable radicals based on the hydrazyl [R₂NNR•] unit", in *Stable Radicals: Fundamentals and Applied Aspects of Odd-Electron Compounds*, R.G. Hicks, ed., John Wiley & Sons, Ltd: Wiltshire, 2010, pp.245-280.
2. R.G. Hicks, **2010**. Thiazyl radicals: synthesis, structure, properties, and materials applications", in *Stable Radicals: Fundamentals and Applied Aspects of Odd-Electron Compounds*, R.G. Hicks, ed., John Wiley & Sons, Ltd: Wiltshire, 2010, pp.317-380.

e. Presentations at conferences or institutions

(i) Invited conference presentations (*international conferences in italics*)

- 1999 •3rd *International Symposium on Free Radicals in Materials Science, University of Kentucky*
 •Dalhousie University Chemistry Student CSC Chapter Student and Alumni Symposium
- 2000 •14th Annual Canadian Society for Chemistry Western Canadian Undergraduate Conference, University of Manitoba
 •7th *International Conference on Molecule-Based Magnets, San Antonio, Texas*
- 2002 •85th Canadian Society for Chemistry Conference and Exhibition, Vancouver, B.C.
- 2003 •5th *International Symposium on Crystalline Organic Metals, Superconductors and Ferromagnets, Port-Bourgenay, France*

- 2004 •39th IUPAC Congress/86th Canadian Society for Chemistry Conference Ottawa, ON
- 2004 •87th Canadian Society for Chemistry Conference, London, Ontario
- 2004 •9th *International Conference on Molecule-Based Magnetism, Tsukuba, Japan (declined)*
- 2005 •88th Canadian Society for Chemistry Conference, Saskatoon, SK
- 2005 •11th *International Symposium on Novel Aromatics, St. John's Newfoundland*
- 2005 • *Magnetism: Molecules to Functional Materials symposium, Pacifichem 2005, Honolulu*
- 2005 • *Design and Synthesis of Functional Materials symposium, Pacifichem 2005, Honolulu*
- 2006 •89th Canadian Society for Chemistry Conference, Halifax, NS
- 2007 • *Discussion leader, Gordon Research Conference on Physical Organic Chemistry, Plymouth, NH*
- 2007 •90th Canadian Society for Chemistry Conference, Winnipeg, MB
- 2008 •7th *International Conference on the Scientific and Clinical Applications of Magnetic Carriers, Vancouver, B.C*
- 2008 • *Global-COE workshop on "New Concepts and Materials for Molecular Electronics and Magnetism, Nagoya University, Nagoya, Japan*
- 2009 •BC-Alberta Inorganic Discussion Weekend, Kelowna, B.C.
- 2009 • *1st Japan-Canada Coordination Space Symposium, Banff, Alberta,*
- 2010 • *3rd international workshop on current trends in molecular and nanoscale magnetism, Orlando, Florida*
- 2011 • *International Symposium on Advances in Organic Materials, Santa Barbara, CA*
- 2011 •94th Canadian Society for Chemistry Conference, Montreal, Quebec
- 2012 • "Barry Lever" symposium, 95th Canadian Society for Chemistry Conference, Calgary, AB
- 2012 • "Ligand Design" symposium, 95th Canadian Society for Chemistry Conference, Calgary, AB
- 2012 • "Electronic and Optical Materials" symposium, 95th Canadian Society for Chemistry Conference, Calgary, AB
- 2013 • *2nd Japan-Canada Joint Symposium on Coordination Chemistry, Okinawa, Japan*
- 2014 • "pi conjugated materials" symposium, 97th Canadian Society for Chemistry Conference, Vancouver, BC
- 2014 • "Supramolecular coordination chemistry" symposium, 97th Canadian Society for Chemistry Conference, Vancouver, BC
- 2015 • "Inorganic and Supramolecular Chemistry in Energy and Materials Applications" symposium, 98th Canadian Society for Chemistry Conference, Ottawa, ON
- 2015 • "Molecular Materials for Photovoltaic and Optoelectronic Applications" symposium, 98th Canadian Society for Chemistry Conference, Ottawa, ON
- 2015 • "New Discoveries in Molecular Magnetic and Conducting Materials" symposium, 98th Canadian Society for Chemistry Conference, Ottawa, ON
- 2015 • *"Accessing the Full Potential of Redox-Active Ligands: Reactivity and Applications" Symposium, Pacifichem 2015, Honolulu*
- 2015 • *"From Radicals to Biradicals to Functional Materials: Theory Meets Experiment" Symposium, ACS Fall National Meeting, Aug 16-20, Boston*
- 2017 • "Non-innocent ligands" symposium, 100th CSC meeting, May 28-June 1, Toronto, ON
- 2017 • *4th Japan-Canada Joint Symposium on Coordination Chemistry, Nov 27-30, Fukuoka, Japan*

(ii) Invited departmental presentations

- 1997 University of Victoria
- 1997 St. Mary's University
- 1997 Dalhousie University

1999 University of Manitoba

2000 *Texas A&M University*
University of Washington

2001 University of Alberta
University of Calgary
University of British Columbia
University of Oregon

2002 Queens University
University of Ottawa
University of Waterloo
University of Guelph
University of Toronto
University of Windsor
University of Western Ontario
University of California, Los Angeles
University of California, Riverside

2003 *University of Washington*
Dalhousie University
University of Prince Edward Island
St. Francis Xavier University
Mount Allison University
Acadia University

2004 *University of Washington*
Simon Fraser University

2005 *University of California, Davis*

2006 University of British Columbia

2007 University of Victoria (Physics Dept)
University of New Brunswick

2008 *University of Tokyo*

2009 University of Toronto
Brock University
McMaster University
McGill University
Université de Montréal

2010 York University
Xerox Research Centre of Canada, Mississauga

2011 University of Calgary

2012 University of Toronto (Mississauga)
Indiana University
University of Saskatchewan
University of Regina

2013 *University of Missouri, St Louis*
University of Missouri, Columbia
University of Southern California
University of California, Santa Barbara

2014 University of British Columbia, Okanagan Campus

2017 University of Waterloo
Western University

University of Guelph
Brock University
2018 *University of Idaho*
2019 *Kyushu University, Japan*

(iii) Public lectures

2006 "Better living through materials chemistry: How chemistry can, and does, contribute to a high tech society", Dean's Lunchtime Lecture Series (Continuing Studies), Victoria, B.C., March 2006.
2017 "Roses are Red, Violets are Blue: An Introduction to the Science of Colour" UVic IdeaFest, March 2017.

(iv) Contributed conference presentations

1. As presenting author

1998 81st Canadian Society for Chemistry Conference, Whistler, B.C
2000 83rd Canadian Society for Chemistry Conference, Calgary, Alberta
Pacifichem 2000, Honolulu
2001 84th Canadian Society for Chemistry Conference and Exhibition, Montreal, Quebec
World Chemistry Congress, Brisbane, Australia
10th International Symposium on Novel Aromatics, San Diego, CA
2002 85th Canadian Society for Chemistry Conference & Exhibition, Vancouver, B.C.
Gordon Research Conference on Electronic Processes in Organic Materials, Salve Regina,
Rhode Island
2003 Gordon Research Conference on Physical Organic Chemistry, Plymouth, NH
Gordon Research Conference on Inorganic Chemistry, Newport, RI
10th International Conference on Inorganic Ring Systems, Burlington, VT
2005 88th Canadian Society for Chemistry Conference, Saskatoon, SK
2006 89th Canadian Society for Chemistry Conference, Halifax, NS
2007 Gordon Research Conference on Physical Organic Chemistry, Plymouth, NH
8th International Conference on Heteroatom Chemistry, Riverside, CA
2008 91st Canadian Society for Chemistry Conference, Edmonton, AB (2 presentations)
236th American Chemical Society National Meeting, Philadelphia, PA (2 presentations)
2009 Gordon Research Conference on Inorganic Reaction Mechanisms, Galveston, TX
International Organic Free Radicals meeting, Ottawa, ON
2010 93rd Canadian Society for Chemistry Conference, Toronto, ON
2010 Pacifichem Conference, Honolulu, HI
2011 Gordon Research Conference on Inorganic Reaction Mechanisms, Galveston, TX
94th Canadian Society for Chemistry Conference, Toronto, ON
2012 Gordon Research Conference on Inorganic Chemistry, Biddeford, ME
2013 Gordon Research Conference on Inorganic Reaction Mechanisms, Galveston, TX
Gordon Research Conference on Physical Organic Chemistry, Holderness, NH
Gordon Research Conference on Organometallic Chemistry, Salve Regina, RI
2014 Gordon Research Conference on Inorganic Chemistry, Biddeford, ME
19th International Symposium on Homogeneous Catalysis, Ottawa, ON

	248 th American Chemical Society Meeting, San Francisco, CA
	42 nd Quebec-Ontario Physical Organic Minisymposium, Hamilton, ON
2015	249 th American Chemical Society Meeting, Denver, CO (2 talks) Gordon Research Conference on Physical Organic Chemistry, Holderness, NH
2016	99 th Canadian Society for Chemistry Conference, Halifax, NS (2 talks)
2017	100 th Canadian Society for Chemistry Conference, Toronto, ON (1 talk) Gordon Research Conference on Physical Organic Chemistry, Holderness, NH
2018	101 st Canadian Chemical Conference and Exhibition, Edmonton, AB (1 talk)
2019	102 nd Canadian Chemical Conference and Exhibition, Quebec City, Que (1 talk)

2. As corresponding co-author (*presentations given by research group members*)

Year	Number of presentations (conferences)
1998	4 (81 st Canadian Society for Chemistry Conference, Whistler)
1999	3 (82 nd Canadian Society for Chemistry Conference, Toronto)
2000	2 (83 rd Canadian Society for Chemistry Conference, Calgary)
2001	4 (84 th Canadian Society for Chemistry Conference, Montreal) 2 (56 th American Chemical Society Northwest Regional Meeting, Seattle, WA)
2002	5 (85 th Canadian Society for Chemistry Conference, Vancouver)
2003	6 (39 th IUPAC Congress/86 th Canadian Society for Chemistry Conference and Exhibition, Ottawa)
2004	7 (87 th Canadian Society for Chemistry Conference, London, ON)
2005	3 (88 th Canadian Society for Chemistry Conference, Saskatoon) 1 (2005 Pacifichem Conference, Honolulu)
2006	6 (Alberta-BC Inorganic Weekend, Kelowna) 3 (89 th Canadian Society for Chemistry Conference, Halifax) 6 (10 th International Conference on Molecule-based Magnets, Victoria)
2007	6 (British Columbia Inorganic Weekend, Victoria, BC) 5 (90 th Canadian Society for Chemistry Conference, Winnipeg)
2008	6 (91 st Canadian Society for Chemistry Conference, Edmonton)
2009	4 (Alberta-BC Inorganic Weekend, Kelowna) 5 (92 nd Canadian Society for Chemistry Conference, Hamilton)
2010	3 (British Columbia Inorganic Weekend, Squamish, BC) 3 (93 rd Canadian Society for Chemistry Conference, Toronto)
2011	3 (94 th Canadian Society for Chemistry Conference, Toronto) 4 (British Columbia Inorganic Weekend, Squamish, BC)
2012	4 (95 th Canadian Society for Chemistry Conference, Calgary) 7 (British Columbia Inorganic Weekend, Squamish, BC)
2013	4 (Alberta/British Columbia Inorganic Weekend, Kelowna, BC) 2 (96 th Canadian Society for Chemistry Conference, Quebec City) 1 (Gordon Research Conference on Physical Organic Chemistry, Holderness, NH) 1 (International Conference on the Photochemistry and Photophysics of Coordination Compounds, Travers City, MI)
2014	4 (97 th Canadian Society for Chemistry Conference, Vancouver)
2015	1 (98 th Canadian Society for Chemistry Conference, Quebec City) 4 (International Chemical Congress of Pacific Basin Societies (Pacifichem), Honolulu)

- 2016 **7** (BC Inorganic Discussion Weekend, Squamish, BC)
1 (99th Canadian Society for Chemistry Conference, Halifax)
- 2017 **4** (Alberta/British Columbia Inorganic Weekend, Kelowna, BC)
4 (100th Canadian Society for Chemistry Conference, Toronto)
- 2018 **4** (101st Canadian Chemical Conference and Exhibition, Edmonton)
- 2019 **5** (BC Inorganic Discussion Weekend, Victoria, BC)
3 (102nd Canadian Chemical Conference and Exhibition, Quebec Cit)

8. SERVICE and PROFESSIONAL ACTIVITIES

a. University and Faculty committees

1998	Junior Faculty Representative, Search Committee for Dean of Science
1998-2000	Faculty of Science Computer Laboratory Committee
1998-2000	Subcommittee on Library Fines Appeals, Senate Committee on the Libraries
1998-2003	Senate Committee on the Libraries
2000	Panel Discussion Participant, External Review of the Learning and Teaching Centre
2000-03	Chair, Senate Committee on the Libraries
2001-03	Faculty of Science Equity Plan Committee
2002	Search Committee for the Dean of Science
2002	Assistant Professor Search Committee, Department of Biology
2005	Senate Planning Committee
2006	Faculty of Engineering Research Advisory Committee
2006-08	Director, Centre for Advanced Materials and Related Technologies (CAMTEC)
2007	Appointment Committee for the Dean of Science
2008	Review Committee for LACIR
2008-10	Member, Faculty of Science Faculty Advisory Committee
2009	ARPT Committee – search for external Chair of Chemistry
2009-10	Chair, Faculty of Science Faculty Advisory Committee
2009-10	Dean of Science Search Committee
2010	ARPT Committee – search for external Chair of Chemistry
2011	Science representative, search committee for Associate Dean of Graduate Studies
2011	Participant in Business Process Review for Graduate Admissions and Records Office
2012	Science representative, search committee for the President & Vice-Chancellor
2013-15	External member, Faculty of Engineering Faculty Advisory Committee
2015	Dean of Science Appointment Committee
2015-	Member, UVic Senate (at-large representative)
2015-	Member, Senate Committee on Agenda and Governance
2015-17	Member, Joint Senate Board Retreat Committee
2015-16	Faculty of Science Representative, Graduate Awards Committee (FGS)
2015-16	Member, Faculty of Graduate Studies <i>ad hoc</i> committee on Supervisory Practices Policy
2016	Faculty of Science Representative, search committee for Associate Dean of Graduate Studies
2016-17	Faculty of Science Representative, University Academic Appointments Committee
2017-	Associate Dean (Academic), Faculty of Science
2017-	Member, Senate Committee on Academic Planning
2017	Member, Search Committee for Executive Director, Division of Learning and Teaching Support and Innovation
2018	Member, Appointment Committee for the Vice-President, Research (Senate representative and Vice-Chair)
2018	Member, School of Music Academic Program Review external committee
2018	Member, Student Retention & Success Committee, UVic Strategic Enrolment Management group
2018-9	Member of the Administration Bargaining team, collective bargaining
2019	Member, Appointment Committee for Vice-Provost

b. Departmental committees and responsibilities

1997	3 rd and 4 th year Curriculum Review Committee
1997-99	Chemistry 499 (honours thesis) Review Committee
1998	Search Committee for Chair of Chemistry
1998-	Departmental EPR Spectrometer Representative
1998-2003	Chair, Seminar Program
1998-2003	Graduate Studies Advisory Committee
1999-2002	Sessional Appointments Committee
2000	ARPT Assistant Professor (Analytical) Search Committee
2001	ARPT NSERC UFA Hiring Committee
2001	ARPT CRC Chair Hiring Committee
2001	Member, Search Committee for Chair of Chemistry
2001- 02	Member, Department Space Committee
2001-03	Member, Recruiting Committee
2002	ARPT Assistant Professor (Inorganic) Search Committee
2002-03	Member, Department Co-op Steering Committee
2002-08	Faculty mentor (Moffitt)
2005	ARPT Committee (Tenure/Promotion)
2005-09	Equity Committee
2005-06	Academic Review Committee
2005-08	Departmental Library Representative
2005-08	New Science Building Users Committee
2005-10	Awards Committee
2006	Chemistry Chair Search Committee
2006	ARPT Assistant Professor (Organic) Search Committee
2007	ARPT Committee (Tenure/Promotion)
2007-13	Faculty mentor (Wulff)
2008	Sessional lecturer mentor (Koivisto)
2008-11	Chemistry representative on Faculty of Science Faculty Advisory Committee
2009-11	Faculty mentor (Hof)
2010	Department Duties Committee
2010-16	Graduate Adviser
2013	ARPT Committee (Tenure/Promotion)
2013	Search Committee, Department Graduate Secretary
2014	ARPT Committee (Promotion)
2014-16	Department Library representative
2015	ARPT Committee (Promotion)
2015-16	Department Faculty Liaison to the Faculty Association
2016	Department representative, Faculty of Science Teaching Advisory Committee

c. Membership & service on international, national and provincial professional bodies and societies

1992-	Member, American Chemical Society
1990-	Member, Chemical Institute of Canada (Canadian Society for Chemistry division)
2002-04	Treasurer, Division of Inorganic Chemistry, Canadian Society for Chemistry
1998-00	Selection Committee for the CSC Award for Pure or Applied Inorganic Chemistry
2004-05	Selection Committee for the CSC Award for Pure or Applied Inorganic Chemistry

2006	Selection Committee for the CSC Alcan Lecture Award
2007	Selection Committee for the CSC Award for Pure or Applied Inorganic Chemistry
2010	Selection Committee for the CSC Strem Chemicals Award for Pure or Applied Inorganic Chemistry
2014-6	Vice-Chair, Inorganic Division, Canadian Society for Chemistry
2016-8	Chair, Inorganic Division, Canadian Society for Chemistry
2016	Selection Committee for the CSC Strem Chemicals Award for Pure or Applied Inorganic Chemistry
2017	Selection Committee for the CSC Rio Tinto Alcan Award
2018-20	Past Chair, Inorganic Division, Canadian Society for Chemistry

d. Conference organisational committees

1998	Symposium Organizer, " <i>Insights into Molecular Structure and Design</i> ", Inorganic Chemistry Division, the 81 st Canadian Society for Chemistry Conference, Whistler, B.C.
2000	Symposium Organizer, " <i>Free Radicals: From Molecules to Materials</i> ", Organic Chemistry Division, 2000 International Chemical Congress of Pacific Basin Societies, Honolulu, HI.
2001	Symposium Co-organizer (with N.L. Frank), "Molecular Materials and Nanotechnology", 2001 Northwest Regional Meeting of the American Chemical Society, June 20001.
2002	<u>Conference Organizer</u> , "Materials Chemistry in Canada Colloquium", Materials Chemistry Division of the CSC, Victoria, B.C.
2004	Symposium co-organizer (with M.O. Wolf), "Properties and Applications of Organic Materials", Organic/Materials Chemistry divisions, 87 th Canadian Society for Chemistry Conference, London, Ontario.
2006	<u>Conference Chair</u> , 10 th International Conference on Molecule-Based Magnetism, Victoria, B.C.
2007	<u>Conference Organizer</u> British Columbia Inorganic Weekend, Victoria, B.C., May 2007
2008	Symposium Organizer, "Main group chemistry symposium in honour of Neil Burford, Tris Chivers, and Richard Oakley", 91 st Canadian Society for Chemistry Conference, Edmonton, AB
2010	Symposium co-organizer (with J. Soper), "Redox redux: the renaissance of redox-active ligands", 2010 International Chemical Congress of Pacific Basin Societies, Honolulu, HI
2012	Conference Organizing committee, 13 th International Symposium on Inorganic Ring Systems, Victoria, BC.
2014	Symposium co-organizer (with M.O. Wolf), "Materials and energy applications of coordination compounds", 97 th Canadian Society for Chemistry meeting, Vancouver, BC
2016-7	Member, Canadian Advisory Board, 12 th International Conference on Heteroatom Chemistry (Vancouver BC)
2018-20	Co-chair, Canada-Wide Science Fair 2020, Victoria, BC

e. Grant committees (agency, committee, period served)

2009-2011	Alberta Ingenuity Fund Graduate Student Scholarship Review Committee
2014	NSERC Chemistry Research Tools and Instruments Evaluation Group
2014	National Science Foundation (NSF) Evaluation Panel: Chemical Structure, Dynamics and Mechanisms (CSDM)

f. Grant proposals reviewed (include site visits)

Proposals reviewed for the following agencies:

NSERC, CFI, *Alberta Ingenuity Fund*, *ACS Petroleum Research Foundation (USA)*, *National Science Foundation (USA)*, *Research Corporation (USA)*, *Department of National Defense*, *EPSRC (United Kingdom)*, *European Science Foundation*, *Polish Science Foundation*, *Dutch Science Foundations*

Number of proposals reviewed by year:

1998 – 1	1999 – 2	2000 – 1	2001 - 3	2002 – 2	2003 – 5
2004 - 7	2005 – 7	2006 – 9	2007 – 8	2008 – 5	2009- 6
2010 – 5	2011 – 5	2012 – 4	2013 – 2	2014 – 5	2015-5
2016 - 4	2017-5	2018-6			

i. Reviews for journals, book reviews, published commentaries

Manuscripts reviewed for the following journals:

<i>Advanced Materials</i>	<i>Angewandte Chemie International Edition</i>
<i>Canadian Journal of Chemistry</i>	<i>Chemical Communications</i>
<i>Chemical Sciences</i>	<i>Chemical Society Reviews</i>
<i>Chemistry – An Asian Journal</i>	<i>Chemistry – A European Journal</i>
<i>Chemistry of Materials</i>	<i>Coordination Chemistry Reviews</i>
<i>Crystal Growth & Design</i>	<i>CrystEngComm</i>
<i>Dalton Transactions</i>	<i>Dyes & Pigments</i>
<i>Electrochimica Acta</i>	<i>European Journal of Inorganic Chemistry</i>
<i>European Journal of Organic Chemistry</i>	<i>Free Radicals in Biology and Medicine</i>
<i>Inorganic Chemistry</i>	<i>Inorganica Chimica Acta</i>
<i>Journal of Materials Chemistry</i>	<i>Journal of Organic Chemistry</i>
<i>Journal of Organometallic Chemistry</i>	<i>Journal of Physical Chemistry A</i>
<i>Journal of Physical Chemistry B</i>	<i>Journal of Physical Chemistry C</i>
<i>Journal of the American Chemical Society</i>	<i>Journal of the Electrochemical Society</i>
<i>Nature</i>	<i>Nature Chemistry</i>
<i>New Journal of Chemistry</i>	<i>Organic & Biomolecular Chemistry</i>
<i>Organic Letters</i>	<i>Organometallics</i>
<i>Perkin Transactions 1</i>	<i>Perkin Transactions 2</i>
<i>Polyhedron</i>	<i>Science</i>

Number of manuscripts reviewed by year:

1997 - 2	1998 – 1	1999 – 2	2000 – 11	2001 – 17	2002 - 29
2003 – 45	2004 – 37	2005 – 43	2006 – 41	2007 – 47	2008 – 40
2009 - 50	2010 - 42	2011-45	2012- 45	2013 – 48	2014- 53
2015 – 41	2016-33	2017-35	2018-32		

j. Other professional activities

1997-2002	Judge for the Vancouver Island Regional Science Fair, Victoria, B.C.
2007	External referee for Tenure/Promotion case, University of Calgary
2013	External referee for Promotion (Full Professor) case, McGill University
2014	External referee for Promotion (Full Professor) case, University of Guelph
2014	External referee for Promotion (Full Professor) case, University of Missouri-St Louis
2014	External referee for Tenure/Promotion case, Southern Illinois University
2014	External referee for Tenure/Promotion case, University of Ottawa