

Robin G Hicks

List of Publications by Year in descending order

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58
papers

3,544
citations

159585

30
h-index

149698

56
g-index

80
all docs

80
docs citations

80
times ranked

3202
citing authors

#	ARTICLE	IF	CITATIONS
1	What's new in stable radical chemistry?. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1321.	2.8	462
2	The magnetochemistry of verdazyl radical-based materials. <i>Coordination Chemistry Reviews</i> , 2005, 249, 2612-2630.	18.8	203
3	Synthesis of hydrozafullerene C ₅₉ H _N , the parent hydroheterofullerene. <i>Nature</i> , 1996, 383, 147-150.	27.8	153
4	High-temperature metal-organic magnets. <i>Nature</i> , 2007, 445, 291-294.	27.8	138
5	A new spin on bistability. <i>Nature Chemistry</i> , 2011, 3, 189-191.	13.6	131
6	Strong Ferromagnetic and Antiferromagnetic Exchange Coupling between Transition Metals and Coordinated Verdazyl Radicals. <i>Journal of the American Chemical Society</i> , 2000, 122, 8077-8078.	13.7	114
7	Electrochemical Studies of Verdazyl Radicals. <i>Organic Letters</i> , 2007, 9, 4837-4840.	4.6	113
8	Strong Supramolecular-Based Magnetic Exchange in π -Stacked Radicals. Structure and Magnetism of a Hydrogen-Bonded Verdazyl Radical:Hydroquinone Molecular Solid. <i>Journal of the American Chemical Society</i> , 2001, 123, 7154-7159.	13.7	111
9	Synthesis and Electronic Structure Investigations of π -Bis(arylthio)oligothiophenes: A Toward Understanding Wire-Linker Interactions in Molecular-Scale Electronic Materials. <i>Journal of the American Chemical Society</i> , 2000, 122, 6746-6753.	13.7	99
10	Intramolecular π -Dimerization in a 1,1'-Bis(verdazyl)ferrocene Diradical. <i>Journal of the American Chemical Society</i> , 2006, 128, 690-691.	13.7	99
11	Synthesis and Characterization of Verdazyl Radicals Bearing Pyridine or Pyrimidine Substituents: A New Family of Chelating Spin-Bearing Ligands. <i>Journal of Organic Chemistry</i> , 1999, 64, 8893-8897.	3.2	84
12	Probing Electronic Communication in Stable Benzene-Bridged Verdazyl Diradicals. <i>Journal of Organic Chemistry</i> , 2007, 72, 8062-8069.	3.2	77
13	Tetraphenylhexaazaanthracene: A Case for Dominance of Cyanine Ion Stabilization Overwhelming π -Antiaromaticity. <i>Journal of the American Chemical Society</i> , 1998, 120, 2989-2990.	13.7	73
14	Effects of Electron-Deficient β -Diketiminato and Formazan Supporting Ligands on Copper(I)-Mediated Dioxygen Activation. <i>Inorganic Chemistry</i> , 2009, 48, 4514-4523.	4.0	69
15	Redox-active, near-infrared dyes based on π -Nindigo TM (indigo-N,N'-diarylimine) boron chelate complexes. <i>Chemical Science</i> , 2013, 4, 612-621.	7.4	66
16	Synthesis, Structure, and Magnetism of Bimetallic Manganese or Nickel Complexes of a Bridging Verdazyl Radical. <i>Inorganic Chemistry</i> , 2001, 40, 5581-5584.	4.0	65
17	Metal Complexes of Aminyl Radicals. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7393-7395.	13.8	65
18	Synthesis of Multitopic Verdazyl Radical Ligands. Paramagnetic Supramolecular Synthons. <i>Organic Letters</i> , 2004, 6, 1887-1890.	4.6	53

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19	Magnetostructural studies of copper(ii) verdazyl radical complexes. <i>Journal of Materials Chemistry</i> , 2006, 16, 2618-2624.	6.7	53
20	Structure and magnetic properties of a nickel(ii) complex of a tridentate verdazyl radical: strong ferromagnetic metal-radical exchange coupling. <i>Chemical Communications</i> , 2000, , 2141-2142.	4.1	50
21	Synthesis and coordination chemistry of a water-soluble verdazyl radical. structures and magnetic properties of M(H ₂ O) ₂ (vdCO ₂) ₂ ·2H ₂ O (M = Co, Ni; vdCO ₂ = 1,5-dimethyl-6-oxo-verdazyl-3-carboxylate). <i>Chemical Communications</i> , 2002, , 1688-1689.	4.1	50
22	Redox-Active Bridging Ligands Based on Indigo Diimine (Nindigo) Derivatives. <i>Inorganic Chemistry</i> , 2011, 50, 9826-9837.	4.0	49
23	Binuclear Ruthenium Complexes of a Neutral Radical Bridging Ligand. A New Spin-on Mixed Valency. <i>Inorganic Chemistry</i> , 2013, 52, 8053-8066.	4.0	49
24	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). <i>Inorganic Chemistry</i> , 2003, 42, 2261-2267.	4.0	48
25	Verdazyl radicals as redox-active, non-innocent, ligands: contrasting electronic structures as a function of electron-poor and electron-rich ruthenium bis(1 ² -diketonate) co-ligands. <i>Chemical Communications</i> , 2010, 46, 773-775.	4.1	47
26	Weak Magnetic Coupling of Coordinated Verdazyl Radicals through Diamagnetic Metal Ions. Synthesis, Structure, and Magnetism of a Homoleptic Copper(I) Complex. <i>Inorganic Chemistry</i> , 2001, 40, 6521-6524.	4.0	42
27	Nindigo synthesis, coordination chemistry, and properties of indigo diimines as a new class of functional bridging ligands. <i>Chemical Communications</i> , 2010, 46, 6753.	4.1	42
28	Synthesis, structure, and magnetism of a binuclear Co(II) complex of a potentially bis-tridentate verdazyl radical ligand. <i>Inorganica Chimica Acta</i> , 2006, 359, 2616-2621.	2.4	38
29	Verdazyl-Mediated Living-Radical Polymerization of Styrene and <i>n</i> -Butyl Acrylate. <i>Macromolecules</i> , 2007, 40, 8609-8616.	4.8	35
30	The first Kuhn verdazyl ligand and comparative studies of its PdCl ₂ complex with analogous 6-oxoverdazyl ligands. <i>Dalton Transactions</i> , 2013, 42, 16829.	3.3	34
31	Electronic Structure Investigations of Neutral and Charged Ruthenium Bis(1 ² -diketonate) Complexes of Redox-Active Verdazyl Radicals. <i>Journal of the American Chemical Society</i> , 2011, 133, 13587-13603.	13.7	30
32	Linear and branched electroactive polymers based on ethylenedioxythiophene triarylamine conjugates. <i>Journal of Materials Chemistry</i> , 2007, 17, 4768.	6.7	28
33	Preparation and solid state characterization of 4,4'-bis(1,2,3,5-dithiadiazolyl). <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1447-1448.	2.0	26
34	Synthesis and EPR Characterization of Phosphoverdazyl Radicals. <i>Inorganic Chemistry</i> , 1999, 38, 284-286.	4.0	26
35	Title is missing!. <i>Australian Journal of Chemistry</i> , 2001, 54, 597.	0.9	26
36	Redox properties of zinc complexes of verdazyl radicals and diradicals. <i>Inorganica Chimica Acta</i> , 2011, 374, 480-488.	2.4	26

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37	Classical and non-classical redox reactions of Pd(<i>ii</i>) complexes containing redox-active ligands. <i>Chemical Communications</i> , 2014, 50, 11676-11678.	4.1	26
38	Synthesis and characterization of palladium complexes of 3-nitroformazans. <i>Inorganica Chimica Acta</i> , 2008, 361, 3388-3393.	2.4	25
39	Preparation and solid state characterization of 1,2,3,5-diselenadiazolyl [HCN ₂ Se ₂]. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1265.	2.0	24
40	Synthesis and characterization of a spirocyclic phosphoverdazyl radical - cyclophosphazene hybrid: Evidence for spin transfer from a verdazyl radical to a phosphazene ring. <i>Canadian Journal of Chemistry</i> , 2002, 80, 1501-1506.	1.1	23
41	Spin Distributions, Ring Conformations, and Spiroconjugation in α -Phosphoverdazyl Radicals. <i>Inorganic Chemistry</i> , 2001, 40, 1865-1870.	4.0	22
42	Solid state intermolecular interactions in cyanofunctionalized diselenadiazolyl dimers. <i>Canadian Journal of Chemistry</i> , 1993, 71, 180-185.	1.1	19
43	Magnetostructural studies of palladium(<i>ii</i>) and platinum(<i>ii</i>) complexes of verdazyl radicals. <i>Journal of Materials Chemistry</i> , 2011, 21, 1523-1530.	6.7	19
44	Synthesis and Electropolymerization Behavior of Bis (Oligothiényl) Sulfides. Generation of Heteroaromatic Poly(<i>p</i> -phenylene sulfide) Analogs. <i>Chemistry of Materials</i> , 2005, 17, 2672-2678.	6.7	18
45	Metal coordination, and metal–ligand redox non-innocence, modulates allosteric C–N bond homolysis in an N-benzyl tetrazine. <i>Chemical Communications</i> , 2014, 50, 12542-12544.	4.1	17
46	Synthesis and Photophysics of Thioindigo Diimines and Related Compounds. <i>Journal of Organic Chemistry</i> , 2014, 79, 9196-9205.	3.2	17
47	The Chemistry of Formazan Dyes. Synthesis and Characterization of a Stable Verdazyl Radical and a Related Boron-Containing Heterocycle. <i>Journal of Chemical Education</i> , 2009, 86, 76.	2.3	16
48	Synthesis and Characterization of Heterobimetallic (Pd/B) Nindigo Complexes and Comparisons to Their Homobimetallic (Pd ₂ , B ₂) Analogues. <i>Inorganic Chemistry</i> , 2013, 52, 10912-10919.	4.0	16
49	Synthesis and redox reactions of bis(verdazyl)palladium complexes. <i>Dalton Transactions</i> , 2017, 46, 12636-12644.	3.3	15
50	Protoisomerization of indigo di- and monoimines. <i>Chemical Communications</i> , 2015, 51, 12482-12485.	4.1	14
51	Synthesis and redox properties of a phosphine-substituted <i>para</i> -dioxolene and its bimetallic palladium complex. <i>Canadian Journal of Chemistry</i> , 2008, 86, 976-981.	1.1	9
52	Structure and magnetism of a verdazyl radical clathrate hydrate. Strong intermolecular magnetic interactions derived from π -stacking within ice-like channels. <i>CrystEngComm</i> , 2009, 11, 2180.	2.6	8
53	Diastereomerically Differentiated Excited State Behavior in Ruthenium(II) Hexafluoroacetylacetonate Complexes of Diphenyl Thioindigo Diimine. <i>Inorganic Chemistry</i> , 2018, 57, 1386-1397.	4.0	8
54	Synthesis and redox chemistry of Pd(<i>ii</i>) complexes of a pincer verdazyl ligand. <i>Dalton Transactions</i> , 2019, 48, 12674-12683.	3.3	6

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55	Synthesis and characterization of 2,7-bis(2-pyridyl)-1,8-diazaanthraquinone – A redox-active ligand designed for the construction of supramolecular grids. Canadian Journal of Chemistry, 2006, 84, 1263-1267.	1.1	5
56	A Computational Study of the Protoisomerization of Indigo and Its Imine Derivatives. Journal of Physical Chemistry A, 2016, 120, 7569-7576.	2.5	3
57	Discovery and properties of a new indigoid structure type based on dimeric <i>cis</i> -indigos. Organic and Biomolecular Chemistry, 2020, 18, 5838-5842.	2.8	2
58	Diindolylamine Preparation and Stability Investigations. ACS Omega, 2022, 7, 5197-5205.	3.5	1