

Karl Kadish

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#	Paper	IF	Citations
549	The redox behavior of metallo octaethylporphyrins. <i>Journal of the American Chemical Society</i> , 1973 , 95, 5140-7	16.4	368
548	Spectroelectrochemical study of the C60 and C70 fullerenes and their mono-, di-, tri- and tetraanions. <i>Journal of the American Chemical Society</i> , 1991 , 113, 4364-4366	16.4	319
547	The Electrochemistry of Metalloporphyrins in Nonaqueous Media. <i>Progress in Inorganic Chemistry</i> , 435-605		238
546	Electrochemical detection of fulleronium and highly reduced fulleride (C60 ⁵⁻) ions in solution. <i>Journal of the American Chemical Society</i> , 1991 , 113, 7773-7774	16.4	224
545	Cobalt(III) corroles as electrocatalysts for the reduction of dioxygen: reactivity of a monocorrole, biscalcoroles, and porphyrin-corrole dyads. <i>Journal of the American Chemical Society</i> , 2005 , 127, 5625-31	16.4	216
544	Photochemical and electrochemical properties of zinc chlorin-C60 dyad as compared to corresponding free-base chlorin-C60, free-base porphyrin-C60, and zinc porphyrin-C60 dyads. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10676-83	16.4	181
543	Production of an ultra-long-lived charge-separated state in a zinc chlorin-C60 dyad by one-step photoinduced electron transfer. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 853-6	16.4	180
542	82 Anion. An Unusually Stable Metallofullerene. <i>Journal of the American Chemical Society</i> , 2000 , 122, 9316-9317	16.4	180
541	Electroreduction of buckminsterfullerene, C60, in aprotic solvents: electron spin resonance characterization of singly, doubly, and triply reduced C60 in frozen solutions. <i>Journal of the American Chemical Society</i> , 1992 , 114, 6446-6451	16.4	168
540	Electronic effects in transition metal porphyrins. 2. The sensitivity of redox and ligand addition reactions in para-substituted tetraphenylporphyrin complexes of cobalt (II). <i>Journal of the American Chemical Society</i> , 1976 , 98, 3484-9	16.4	159
539	Solvent and substituent effects on the redox reactions of para-substituted tetraphenylporphyrin. <i>Journal of the American Chemical Society</i> , 1976 , 98, 3326-8	16.4	149
538	Ion-mediated electron transfer in a supramolecular donor-acceptor ensemble. <i>Science</i> , 2010 , 329, 1324-7	33.3	144
537	Vacuum-tight thin-layer spectroelectrochemical cell with a doublet platinum gauze working electrode. <i>Analytical Chemistry</i> , 1985 , 57, 1498-501	7.8	138
536	Double-decker actinide porphyrins and phthalocyanines. Synthesis and spectroscopic characterization of neutral, oxidized, and reduced homo- and heteroleptic complexes. <i>Journal of the American Chemical Society</i> , 1993 , 115, 8153-8166	16.4	128
535	Electrochemistry of Corroles in Nonaqueous Media. <i>Chemical Reviews</i> , 2017 , 117, 3377-3419	68.1	127
534	Formation and properties of cyclo[6]pyrrole and cyclo[7]pyrrole. <i>Journal of the American Chemical Society</i> , 2003 , 125, 6872-3	16.4	127
533	Electrochemical and spectroelectrochemical behavior of cobalt(III), cobalt(II), and cobalt(I) complexes of meso-tetraphenylporphyrinate bearing bromides on the .beta.-pyrrole positions. <i>Inorganic Chemistry</i> , 1993 , 32, 4042-4048	5.1	126

532	Electrochemistry and spectroelectrochemistry of meso-substituted free-base corroles in nonaqueous media: reactions of (Cor)H ₃ , [(Cor)H ₄] ⁺ , and [(Cor)H ₂] ⁻ . <i>Inorganic Chemistry</i> , 2006 , 45, 2251-2258	5.1	121
531	Syntheses and spectroscopic characterization of (T(p-Me ₂ N)F ₄ PP)H ₂ and (T(p-Me ₂ N)F ₄ PP)M where T(p-Me ₂ N)F ₄ PP = the dianion of meso-tetrakis(o,o,m,m-tetrafluoro-p-(dimethylamino)phenyl)porphyrin and M = cobalt(II), copper(II), or nickel(II). Structures of (T(p-Me ₂ N)F ₄ PP)Co and (T(p-Me ₂ N)F ₄ PP)Ni. <i>Inorganic Chemistry</i> , 2006 , 45, 2259-2266	16.4	120
530	Structural Determination of the La@C ₈₂ Isomer. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 2971-2974	3.4	119
529	Some aspects of organometallic chemistry in metalloporphyrin chemistry: synthesis, chemical reactivity, and electrochemical behavior of porphyrins with metal-carbon bonds. <i>Chemical Reviews</i> , 1988 , 88, 1121-1146	68.1	111
528	Electrochemistry of nickel(II) porphyrins and chlorins. <i>Inorganic Chemistry</i> , 1984 , 23, 817-824	5.1	111
527	Counterion and solvent effects on the electrode reactions of iron porphyrins. <i>Inorganic Chemistry</i> , 1981 , 20, 1348-1357	5.1	108
526	Porphyrins as Photoredox Catalysts: Experimental and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15451-15458	16.4	106
525	Selective electrosynthesis of dimethylfullerene [(CH ₃) ₂ C ₆₀]: a novel method for the controlled functionalization of fullerenes. <i>Journal of the American Chemical Society</i> , 1993 , 115, 8505-8506	16.4	105
524	Formation of C ₆₀ Adducts with Two Different Alkyl Groups via Combination of Electron Transfer and S _N 2 Reactions. <i>Journal of the American Chemical Society</i> , 1998 , 120, 9220-9227	16.4	104
523	Effect of Axial Ligands on the Oxidation State, Structure, and Electronic Configuration of Diruthenium Complexes. Synthesis and Characterization of Ru ₂ (dpf) ₄ Cl, Ru ₂ (dpf) ₄ (C ₇ CC ₆ H ₅), Ru ₂ (dpf) ₄ (C ₇ CC ₆ H ₅) ₂ , and Ru ₂ (dpf) ₄ (CN) ₂ (dpf = N,N'-Diphenylformamidinate). <i>Inorganic Chemistry</i> , 2001 , 40, 2010-2014	5.1	100
522	Resistance of nonaqueous solvent systems containing tetraalkylammonium salts. Evaluation of heterogeneous electron transfer rate constants for the ferrocene/ferrocenium couple. <i>Analytical Chemistry</i> , 1984 , 56, 1741-4	7.8	100
521	Catalytic activity of biscobalt porphyrin-corrole dyads toward the reduction of dioxygen. <i>Inorganic Chemistry</i> , 2009 , 48, 2571-82	5.1	97
520	Electrogeneration of Oxidized Corrole Dimers. Electrochemistry of (OEC)M Where M = Mn, Co, Ni, or Cu and OEC Is the Trianion of 2,3,7,8,12,13,17,18-Octaethylcorrole. <i>Journal of the American Chemical Society</i> , 1998 , 120, 11986-11993	16.4	97
519	Metal-centered photoinduced electron transfer reduction of a gold(III) porphyrin cation linked with a zinc porphyrin to produce a long-lived charge-separated state in nonpolar solvents. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14984-5	16.4	96
518	Synthesis, Characterization, and Electrochemistry of sigma-Bonded Cobalt Corroles in High Oxidation States. <i>Inorganic Chemistry</i> , 1996 , 35, 5577-5583	5.1	94
517	Effect of Porphyrin Ring Distortion on Redox Potentials of .beta.-Brominated-Pyrrole Iron(III) Tetraphenylporphyrins. <i>Inorganic Chemistry</i> , 1994 , 33, 5169-5170	5.1	94
516	Clarification of the oxidation state of cobalt corroles in heterogeneous and homogeneous catalytic reduction of dioxygen. <i>Inorganic Chemistry</i> , 2008 , 47, 6726-37	5.1	93
515	Electrochemistry of porphyrins and related macrocycles. <i>Journal of Solid State Electrochemistry</i> , 2003 , 7, 254-258	2.6	91

- 514 Synthesis, characterization, and physicochemical properties of manganese(III) and manganese(V)-oxo corrolazines. *Inorganic Chemistry*, **2005**, 44, 4485-98 5.1 90
- 513 Counterion and solvent effects on the electrode reactions of manganese porphyrins. *Inorganic Chemistry*, **1982**, 21, 3631-3639 5.1 90
- 512 Electrochemistry of a Double-Decker Lutetium(III) Phthalocyanine in Aqueous Media. The First Evidence for Five Reductions. *Journal of Physical Chemistry B*, **2001**, 105, 9817-9821 3.4 88
- 511 Micellar effects on the aggregation of tetraanionic porphyrins. Spectroscopic characterization of free-base meso-tetrakis(4-sulfonatophenyl)porphyrin, (TPPS)H₂, and (TPPS)M (M = zinc(II), copper(II), and vanadyl) in aqueous micellar media. *Inorganic Chemistry*, **1989**, 28, 2725-2731 5.1 88
- 510 Influence of electronic and structural effects on the oxidative behavior of nickel porphyrins. *Inorganic Chemistry*, **2002**, 41, 6673-87 5.1 87
- 509 Electrochemical and Spectral Characterization of Iron Corroles in High and Low Oxidation States: First Structural Characterization of an Iron(IV) Tetrapyrrole [Cation Radical]. *Inorganic Chemistry*, **1996**, 35, 184-192 5.1 86
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- 502 Sapphyrin-nanotube assemblies. *Journal of the American Chemical Society*, **2007**, 129, 5683-7 16.4 82
- 501 Characterization of Ce@C₈₂ and its anion. *Journal of the American Chemical Society*, **2004**, 126, 4883-7 16.4 81
- 500 Small Reorganization Energy of Intramolecular Electron Transfer in Fullerene-Based Dyads with Short Linkage. *Journal of Physical Chemistry A*, **2002**, 106, 10991-10998 2.8 81
- 499 Reactions of metalloporphyrin .pi. radicals. 1. Complexation of zinc tetraphenylporphyrin cation and anion radicals with nitrogenous bases. *Inorganic Chemistry*, **1981**, 20, 1274-1277 5.1 81
- 498 Functionalization of corroles: the nitration reaction. *Inorganic Chemistry*, **2007**, 46, 10791-9 5.1 77
- 497 Potentiometric anion selectivities of polymer membranes doped with indium(III)-porphyrins. *Electroanalysis*, **1991**, 3, 909-916 3 74

496	Alkyl and aryl substituted corroles. 3. Reactions of cofacial cobalt biscalloles and porphyrin-corroles with pyridine and carbon monoxide. <i>Inorganic Chemistry</i> , 2002 , 41, 3990-4005	5.1	73
495	Synthesis, Characterization, and Spectroelectrochemistry of Cobalt Porphyrins Containing Axially Bound Nitric Oxide. <i>Inorganic Chemistry</i> , 1996 , 35, 6530-6538	5.1	73
494	Ligand Noninnocence in Coinage Metal Corroles: A Silver Knife-Edge. <i>Chemistry - A European Journal</i> , 2015 , 21, 16839-47	4.8	72
493	Electrochemistry, spectroelectrochemistry, chloride binding, and O ₂ catalytic reactions of free-base porphyrin-cobalt corrole dyads. <i>Inorganic Chemistry</i> , 2005 , 44, 6744-54	5.1	72
492	New Developments in Corrole Chemistry: Special Emphasis on Face-to-Face Bismacrocycles 2003 , 303-349		72
491	Synthesis and Spectroscopic and Electrochemical Characterization of Di- and Tetrasubstituted C ₆₀ Derivatives. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 3898-3906	2.8	72
490	Alkyl and aryl substituted corroles. 1. Synthesis and characterization of free base and cobalt containing derivatives. x-ray structure of (Me(4)Ph(5)Cor)Co(py)(2). <i>Inorganic Chemistry</i> , 2001 , 40, 4845-55 ¹	5.1	71
489	Tetra-2,3-pyrazinoporphyrazines with externally appended pyridine rings. 1. Tetrakis-2,3-[5,6-di(2-pyridyl)pyrazino]porphyrazine: a new macrocycle with remarkable electron-deficient properties. <i>Inorganic Chemistry</i> , 2004 , 43, 8626-36	5.1	70
488	Tetra-2,3-pyrazinoporphyrazines with externally appended pyridine rings. 2. Metal complexes of tetrakis-2,3-[5,6-di(2-pyridyl)pyrazino]porphyrazine: linear and nonlinear optical properties and electrochemical behavior. <i>Inorganic Chemistry</i> , 2004 , 43, 8637-48	5.1	70
487	Electron-Transfer Properties of C ₆₀ and tert-Butyl-C ₆₀ Radical. <i>Journal of the American Chemical Society</i> , 1999 , 121, 3468-3474	16.4	68
486	Synthesis and Electrochemistry of Iron(III) Corroles Containing a Nitrosyl Axial Ligand. Spectral Characterization of [(OEC)FeIII(NO)] _n where n = 0, 1, 2, or -1 and OEC is the Trianion of 2,3,7,8,12,13,17,18-Octaethylcorrole. <i>Journal of the American Chemical Society</i> , 1994 , 116, 9141-9149	16.4	68
485	Cobalt(IV) corroles as catalysts for the electroreduction of O ₂ : reactions of heterobimetallic dyads containing a face-to-face linked Fe(III) or Mn(III) porphyrin. <i>Journal of Inorganic Biochemistry</i> , 2006 , 100, 858-68	4.2	67
484	Porphyrazines with annulated diazepine rings. 2. Alternative synthetic route to tetrakis-2,3-(5,7-diphenyl-1,4-diazepino)porphyrazines: new metal complexes, general physicochemical data, ultraviolet-visible linear and optical limiting behavior, and electrochemical and spectroelectrochemical properties. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14190-204	16.4	67
483	"Umpolung" photoinduced charge separation in an anion-bound supramolecular complex. <i>Journal of the American Chemical Society</i> , 2008 , 130, 15256-7	16.4	66
482	Alkyl- and aryl-substituted corroles. 5. Synthesis, physicochemical properties, and X-ray structural characterization of copper biscalloles and porphyrin-corrole dyads. <i>Inorganic Chemistry</i> , 2004 , 43, 7441-55 ¹	5.1	66
481	Synthesis, Molecular Structure, and Electrochemistry of a Paramagnetic Diruthenium(III) Complex. Characterization of Ru(2)(hpp)(4)Cl(2), Where hpp Is the 1,3,4,6,7,8-Hexahydro-2H-pyrimido[1,2-a]pyrimidine Ion. <i>Inorganic Chemistry</i> , 1996 , 35, 1395-1398	5.1	66
480	Redox properties of octacyano-substituted zinc phthalocyanine ((CN) ₈ PcZn). New charge-transfer complex. <i>Journal of the American Chemical Society</i> , 1983 , 105, 2917-2919	16.4	65
479	Electrochemical and spectroscopic investigation of neutral, oxidized and reduced double-decker lutetium(III) phthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003 , 07, 227-238	1.8	64

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- 472 Synthesis, Characterization, and Electrochemical Behavior of (5,10,15-Tri-X-phenyl-2,3,7,8,12,13,17,18-octamethylcorrolo)cobalt(III) Triphenylphosphine Complexes, Where X = p-OCH₃, p-CH₃, p-Cl, m-Cl, o-Cl, m-F, or o-F. *Inorganic Chemistry*, **1995**, 34, 532-540 5.1 60
- 471 Chloride-binding reactions and electrochemistry of (tetraphenylporphyrinato)cobalt and chloro(tetraphenylporphyrinato)cobalt in dichloromethane. *Inorganic Chemistry*, **1987**, 26, 4161-4167 5.1 60
- 470 Electrochemistry and catalytic properties for dioxygen reduction using ferrocene-substituted cobalt porphyrins. *Inorganic Chemistry*, **2014**, 53, 8600-9 5.1 59
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- 468 Characterization of several novel iron nitrosyl porphyrins. *Journal of the American Chemical Society*, **1982**, 104, 2042-2044 16.4 59
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- 466 Reactions of pyridine with a series of para-substituted tetraphenylporphyrincobalt and -iron complexes. *Inorganic Chemistry*, **1978**, 17, 1124-1129 5.1 59
- 465 Electrochemistry and Spectral Characterization of Oxidized and Reduced (TPPBr(x))FeCl Where TPPBr(x) Is the Dianion of beta-Brominated-Pyrrole Tetraphenylporphyrin and x Varies from 0 to 8. *Inorganic Chemistry*, **1996**, 35, 5570-5576 5.1 58
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- 462 Redox behavior of cyclo[6]pyrrole in the formation of a uranyl complex. *Inorganic Chemistry*, **2007**, 46, 5143-5 5.1 57
- 461 Analysis of lanthanide-induced NMR shifts of the Ce@C₈₂ anion. *Journal of the American Chemical Society*, **2006**, 128, 1400-1 16.4 57

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459	Ionization and structural determination of the major isomer of Pr@C82. <i>Chemical Physics Letters</i> , 2002 , 360, 235-239	2.5	56
458	Fluorinated photosensitizers: synthesis, photophysical, electrochemical, intracellular localization, in vitro photosensitizing efficacy and determination of tumor-uptake by 19F in vivo NMR spectroscopy. <i>Tetrahedron</i> , 2003 , 59, 10059-10073	2.4	56
457	Electrosynthesis and Structural Characterization of Two (C6H5CH2)4C60 Isomers. <i>Journal of the American Chemical Society</i> , 2000 , 122, 563-570	16.4	56
456	Electron-Transfer Kinetics for Generation of Organoiron(IV) Porphyrins and the Iron(IV) Porphyrin π Radical Cations. <i>Journal of the American Chemical Society</i> , 1999 , 121, 785-790	16.4	56
455	Influence of substituted pyridines on the redox reactions of iron porphyrins. <i>Inorganic Chemistry</i> , 1980 , 19, 832-836	5.1	56
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- 439 Heterobimetallic complexes of cobalt(IV) porphyrin-corrole dyads. Synthesis, physicochemical properties, and X-ray structural characterization. *Inorganic Chemistry*, **2005**, 44, 3972-83 5.1 52
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179	Reaction of electrochemically generated monomeric (tetraphenylporphinato)rhodium(II) with alkenes and alkynes. Formation of rhodium(III) .sigma.-bonded complexes. <i>Organometallics</i> , 1987 , 6, 706-711	3.8	15
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