

# Karel G Von Eschwege

## List of Publications by Year in descending order

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36  
papers

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Reduction potentials of <i>para</i> -substituted nitrobenzenes: an infrared, nuclear magnetic resonance, and density functional theory study. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 58-68.	1.9	83
2	Electrochemical and density functional theory modeled reduction of enolized 1,3-diketones. <i>Electrochimica Acta</i> , 2011, 56, 6211-6218.	5.2	59
3	Electronic properties of Fe charge transfer complexes – A combined experimental and theoretical approach. <i>Electrochimica Acta</i> , 2016, 216, 339-346.	5.2	31
4	Dithizone and Its Oxidation Products: A DFT, Spectroscopic, and X-ray Structural Study. <i>Journal of Physical Chemistry A</i> , 2011, 115, 14637-14646.	2.5	29
5	Chemical and electrochemical oxidation and reduction of dithizone. <i>Polyhedron</i> , 2010, 29, 1727-1733.	2.2	28
6	A DFT Perspective on the Structures and Electronic Spectra of the Orange and Blue Isomers of Photochromic Dithizonatophenylmercury(II). <i>Journal of Physical Chemistry A</i> , 2008, 112, 2211-2218.	2.5	22
7	Electrochemical and DFT study of the reduction of substituted phenanthrolines. <i>Polyhedron</i> , 2017, 122, 147-154.	2.2	20
8	Electrochemistry and spectroscopy of substituted [Ru(phen) <sub>3</sub> ] <sup>2+</sup> and [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> complexes. <i>Electrochimica Acta</i> , 2019, 320, 134540.	5.2	17
9	Seven Chromisms Associated with Dithizone. <i>Journal of Physical Chemistry A</i> , 2017, 121, 9243-9251.	2.5	16
10	Electrochemistry and spectro-electrochemistry of dithizonatophenylmercury(II). <i>Electrochimica Acta</i> , 2011, 56, 10064-10068.	5.2	13
11	Electrochemistry of Os Bipyridyl and Phenanthroline Complexes, Comparison with Ru and Fe. <i>Electroanalysis</i> , 2020, 32, 2838-2851.	2.9	13
12	Iron phenanthrolines: A density functional theory study. <i>Inorganica Chimica Acta</i> , 2018, 471, 391-396.	2.4	12
13	Ultrafast Photochemistry of Dithizonatophenylmercury(II). <i>ChemPhysChem</i> , 2011, 12, 2653-2658.	2.1	11
14	Femtosecond Laser Spectroscopy and DFT Studies of Photochromic Dithizonatomercury Complexes. <i>Journal of Physical Chemistry A</i> , 2014, 118, 844-855.	2.5	10
15	Review of DFT-simulated and experimental electrochemistry properties of the polypyridyl Row-1 Mn, Fe & Co, and Group-8 Fe, Ru and Os MLCT complexes. <i>Electrochemistry Communications</i> , 2022, 136, 107225.	4.7	10
16	Oxidation resilient dithizones – Synthesis, cyclic voltammetry and DFT perspectives. <i>Polyhedron</i> , 2012, 39, 99-105.	2.2	9
17	Synthesis and kinetics of electronically altered photochromic dithizonatophenylmercury(II) complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 252, 159-166.	3.9	8
18	Electrochemical study of the Mn(II/III) oxidation of tris(polypyridine)manganese(II) complexes. <i>Electrochimica Acta</i> , 2021, 391, 138965.	5.2	8

#	ARTICLE	IF	CITATIONS
19	Intramolecular interactions in a new tris-dithizonatocobalt(III) complex. <i>Electrochimica Acta</i> , 2013, 112, 747-755.	5.2	5
20	Synthesis and Kinetics of Sterically Altered Photochromic Dithizonatomercury Complexes. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10894-10901.	2.5	5
21	Electrochemical data of polypyridine complexes of Ru(II). <i>Data in Brief</i> , 2019, 27, 104759.	1.0	5
22	1-(2-Methoxyphenyl)-2-{{[2-(2-methoxyphenyl)hydrazinylidene](nitro)methyl}diazene}. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o609-o609.	0.2	4
23	1,5-Bis(2-methylphenyl)-3-nitroformazan. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o425-o425.	0.2	4
24	Synthesis and structure of dithizonato complexes of antimony(III), copper(II) and tin(IV). <i>Journal of Coordination Chemistry</i> , 2016, 69, 788-800.	2.2	4
25	2,3-Bis(3-fluorophenyl)tetrazolium-5-thiolate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1864-o1864.	0.2	4
26	(E)-1-[2-(Methylsulfanyl)phenyl]-2-{{(E)-2-[2-(methylsulfanyl)phenyl]hydrazinylidene}(nitro)methyl}diazene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o199-o200.	0.2	3
27	Cyclic voltammograms and electrochemical data of FeII polypyridine complexes. <i>Data in Brief</i> , 2020, 31, 105754.	1.0	3
28	[1,5-Bis(4-fluorophenyl)thiocarbazonato-Î²N5,S]phenylmercury(II) dichloromethane hemisolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1858-m1859.	0.2	2
29	Probing ultrafast reaction mechanisms of photo-excited dithizone through transient absorption spectroscopy and computational CASSCF studies. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2020, 37, A356.	2.1	2
30	Low-temperature redetermination of 1,3-bis(pentafluorophenyl)triazene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o3177-o3177.	0.2	1
31	(1,5-Diphenylthiocarbazonato-Î²S)trimethyltin(IV). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, m1518-m1518.	0.2	1
32	Synthesis and kinetics of photochromic carboxy-substituted dithizonatophenylmercury(II). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 368, 219-226.	3.9	1
33	Conformational preference of nitroformazans: A computational study. <i>Journal of Molecular Structure</i> , 2020, 1203, 127463.	3.6	1
34	2,3-Bis(2-methoxyphenyl)tetrazolium-5-thiolateâ€“acetoneâ€“dichloromethane (1/0.4/0.1). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o2-o2.	0.2	1
35	Polypyridine OsII complexes electrochemical data. <i>Data in Brief</i> , 2020, 33, 106454.	1.0	0
36	Synthesis, DFT and kinetic studies of chromic S-methyldithizone. <i>Polyhedron</i> , 2020, 179, 114386.	2.2	0