Elisabeth A Hillard

List of Publications by Year
in descending order

87 papers	4,243 citations	101496 36 h-index	110317 64 g-index
92 all docs	92 docs citations	92 times ranked	4076 citing authors

#	Article	IF	Citations
1	Ferrocene-Mediated Proton-Coupled Electron Transfer in a Series of Ferrocifen-Type Breast-Cancer Drug Candidates. Angewandte Chemie - International Edition, 2006, 45, 285-290.	7.2	373
2	Modification of the Estrogenic Properties of Diphenols by the Incorporation of Ferrocene. Generation of Antiproliferative Effects in Vitro. Journal of Medicinal Chemistry, 2005, 48, 3937-3940.	2.9	200
3	Electrochemical parameters and techniques in drug development, with an emphasis on quinones and related compounds. Chemical Communications, 2008, , 2612.	2.2	181
4	Metal complex SERMs (selective oestrogen receptor modulators). The influence of different metal units on breast cancer cell antiproliferative effects. Dalton Transactions, 2006, , 529-541.	1.6	173
5	Ferrocenyl Quinone Methides as Strong Antiproliferative Agents: Formation by Metabolic and Chemical Oxidation of Ferrocenyl Phenols. Angewandte Chemie - International Edition, 2009, 48, 9124-9126.	7.2	170
6	Bioorganometallics: Future Trends in Drug Discovery, Analytical Chemistry, and Catalysis[,]. Organometallics, 2011, 30, 20-27.	1.1	170
7	Ferrocifens and Ferrocifenols as New Potential Weapons against Breast Cancer. Chimia, 2007, 61, 716.	0.3	152
8	A [3]Ferrocenophane Polyphenol Showing a Remarkable Antiproliferative Activity on Breast and Prostate Cancer Cell Lines. Journal of Medicinal Chemistry, 2009, 52, 4964-4967.	2.9	125
9	Ferrocene Functionalized Endocrine Modulators as Anticancer Agents. Topics in Organometallic Chemistry, 2010, , 81-117.	0.7	112
10	Selective Estrogen Receptor Modulators in the Ruthenocene Series. Synthesis and Biological Behavior. Journal of Medicinal Chemistry, 2005, 48, 2814-2821.	2.9	109
11	A Series of Unconjugated Ferrocenyl Phenols: Prospects as Anticancer Agents. ChemMedChem, 2006, 1, 551-559.	1.6	109
12	Observation of Symmetry Lowering and Electron Localization in the Doublet-States of a Spin-Frustrated Equilateral Triangular Lattice:Â Cu3(O2C16H23)Â·1.2C6H12. Journal of the American Chemical Society, 2003, 125, 5270-5271.	6.6	96
13	Targeted therapy vs. DNA-adduct formation-guided design: thoughts about the future of metal-based anticancer drugs. Dalton Transactions, 2012, 41, 8226.	1.6	94
14	The influence of phenolic hydroxy substitution on the electron transfer and anti-cancer properties of compounds based on the 2-ferrocenyl-1-phenyl-but-1-ene motif. Dalton Transactions, 2007, , 5073.	1.6	83
15	Synthesis, Cytotoxicity, and COMPARE Analysis of Ferrocene and [3]Ferrocenophane Tetrasubstituted Olefin Derivatives against Human Cancer Cells. ChemMedChem, 2010, 5, 2039-2050.	1.6	76
16	After 155 Years, A Crystalline Chromium Carboxylate with a Supershort Crâ•Cr Bond. Journal of the American Chemical Society, 2000, 122, 416-417.	6.6	75
17	Deciphering the Activation Sequence of Ferrociphenol Anticancer Drug Candidates. Chemistry - A European Journal, 2012, 18, 6581-6587.	1.7	75
18	The First Dirhodium Tetracarboxylate Molecule without Axial Ligation:Â New Insight into the Electronic Structures of Molecules with Importance in Catalysis and Other Reactions. Journal of the American Chemical Society, 2002, 124, 5658-5660.	6.6	70

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19	Filling a Void:Â Isolation and Characterization of Tetracarboxylato Dimolybdenum Cations. Inorganic Chemistry, 2002, 41, 1639-1644.	1.9	69
20	The Lengths of Molybdenum to Molybdenum Quadruple Bonds:â€‰ Correlations, Explanations, and Corrections. Inorganic Chemistry, 2002, 41, 2466-2470.	1.9	67
21	Organometallic diphenols: The importance of the organometallic moiety on the expression of a cytotoxic effect on breast cancer cells. Journal of Organometallic Chemistry, 2007, 692, 1315-1326.	0.8	66
22	The replacement of a phenol group by an aniline or acetanilide group enhances the cytotoxicity of 2-ferrocenyl-1,1-diphenyl-but-1-ene compounds against breast cancer cells. Journal of Organometallic Chemistry, 2009, 694, 895-901.	0.8	65
23	In vitro inhibitory properties of ferrocene-substituted chalcones and aurones on bacterial and human cell cultures. Dalton Transactions, 2012, 41, 6451.	1.6	59
24	Synthesis and Structureâ€“Activity Relationships of Ferrocenyl Tamoxifen Derivatives with Modified Side Chains. Chemistry - A European Journal, 2009, 15, 684-696.	1.7	58
25	Structural and biological investigation of ferrocene-substituted 3-methylidene-1,3-dihydro-2H-indol-2-ones. Dalton Transactions, 2009, , 918-921.	1.6	57
26	A canted antiferromagnetic ordered phase of cyanido-bridged MnIII2ReIV single-chain magnets. Chemical Communications, 2012, 48, 9717.	2.2	57
27	Comparative toxicity of [3]ferrocenophane and ferrocene moieties on breast cancer cells. Tetrahedron Letters, 2010, 51, 118-120.	0.7	54
28	Helicenes from Diarylmaleimides. Organic Letters, 2014, 16, 1546-1549.	2.4	52
29	Organometallic analogues of tamoxifen: Effect of the amino side-chain replacement by a carbonyl ferrocenyl moiety in hydroxytamoxifen. Journal of Organometallic Chemistry, 2007, 692, 1219-1225.	0.8	46
30	Ferrocenyl catechols: synthesis, oxidation chemistry and anti-proliferative effects on MDA-MB-231 breast cancer cells. Dalton Transactions, 2012, 41, 7537.	1.6	45
31	New Chemistry of the Triply Bonded Divanadium (V24+) Unit and Reduction to an Unprecedented V23+Core. Inorganic Chemistry, 2003, 42, 6063-6070.	1.9	44
32	Ferrocenyl compounds possessing protected phenol and thiophenol groups: Synthesis, X-ray structure, and in vitro biological effects against breast cancer. Journal of Organometallic Chemistry, 2008, 693, 1716-1722.	0.8	40
33	Biological evaluation of twenty-eight ferrocenyl tetrasubstituted olefins: Cancer cell growth inhibition, ROS production and hemolytic activity. European Journal of Medicinal Chemistry, 2011, 46, 3778-3787.	2.6	38
34	Steps on the way to the first dirhodium tetracarboxylate with no axial ligation: synthetic lessons and a plethora of Rh2(O2CR)4L2â^'n compounds, n=0, 1, 2. Inorganica Chimica Acta, 2002, 337, 233-246.	1.2	37
35	Synthesis, oxidation chemistry and cytotoxicity studies on ferrocene derivatives of diethylstilbestrol. Dalton Transactions, 2009, , 10871.	1.6	36
36	Facile synthesis and strong antiproliferative activity of disubstituted diphenylmethylidenyl-[3]ferrocenophanes on breast and prostate cancer cell lines. MedChemComm, 2010, 1, 149.	3.5	36

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37	Non-planar oligoarylene macrocycles from biphenyl. Chemical Communications, 2017, 53, 11540-11543.	2.2	35
38	Synthesis of cytotoxic ferrocenyl flavones via a ferricenium-mediated 1,6-oxidative cyclization. Chemical Communications, 2010, 46, 5145.	2.2	34
39	Switching off the single-molecule magnet properties of the [Co^{II}(Me₆tren)(OH₂)]²⁺ module by complexation with trans-[Ru^{III}(salen)(CN)₂]^{â^'}. New Journal of Chemistry, 2014, 38, 3443-3448.	1.4	34
40	The Presence of a Ferrocenyl Unit on an Estrogenic Molecule is Not Always Sufficient to Generate inâ€...vitro Cytotoxicity. ChemMedChem, 2006, 1, 1275-1281.	1.6	33
41	Synthesis and Structural Characterization of Ferrocenyl-Substituted Aurones, Flavones, and Flavonols. Organometallics, 2011, 30, 5424-5432.	1.1	33
42	Oxidative Stretching of Metalâ€“Metal Bonds to Their Limits. Inorganic Chemistry, 2014, 53, 4777-4790.	1.9	31
43	Magnetoâ€chiral anisotropy: From fundamentals to perspectives. Chirality, 2021, 33, 844-857.	1.3	31
44	Ferrocenyl chalcone difluoridoborates inhibit HIV-1 integrase and display low activity towards cancer and endothelial cells. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6195-6197.	1.0	30
45	From Chrysene to Double [5]Helicenes. European Journal of Organic Chemistry, 2015, 2015, 1033-1039.	1.2	30
46	The Origin of Magnetic Anisotropy and Single-Molecule Magnet Behavior in Chromium(II)-Based Extended Metal Atom Chains. Inorganic Chemistry, 2020, 59, 1763-1777.	1.9	29
47	Role of aromatic substituents on the antiproliferative effects of diphenyl ferrocenyl butene compounds. Dalton Transactions, 2009, , 4318.	1.6	28
48	Ferrocenyl flavonoid-induced morphological modifications of endothelial cells and cytotoxicity against B16 murine melanoma cells. Journal of Organometallic Chemistry, 2013, 734, 78-85.	0.8	28
49	A Highly Reduced V23+Unit with a Metalâ^'Metal Bond Order of 3.5. Journal of the American Chemical Society, 2003, 125, 2026-2027.	6.6	26
50	Applications of High-Field (W-Band) EPR to Mâ^'M Bonded Units (M = Cr, Mo):Â The First Confirmed Oxidation of a Cr24+Paddlewheel Complex to a Stable Isostructural Cr25+Product. Inorganic Chemistry, 2003, 42, 1388-1390.	1.9	23
51	Further insights into hydrophobic interactions between ferrocenyl-tamoxifen drugs and non-polar molecular architectures at electrode surfaces. Journal of Electroanalytical Chemistry, 2009, 635, 13-19.	1.9	20
52	Synthesis and Antiproliferative Effects of [3]Ferrocenophane Transposition Products and Pinacols Obtained from McMurry Cross-Coupling Reactions. Organometallics, 2012, 31, 5856-5866.	1.1	20
53	Nature of Bonding in Complexes Containing â€œSupershortâ€•Metalâ^'Metal Bonds. Raman and Theoretical Study of M₂(dmp)₄ [M = Cr (Natural Abundance Cr, ⁵⁰Cr, and) Tj ETQq1 1 0.784314 rgBT /Ov 132, 1839-1847.	6.6	19
54	Electronic Structure of Ru₂(II,II) Oxypyridinates: Synthetic, Structural, and Theoretical Insights into Axial Ligand Binding. Inorganic Chemistry, 2015, 54, 8571-8589.	1.9	17

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55	Cyanido-bridged one-dimensional systems assembled from [ReIVCl4(CN)2]2â^' and [MII(cyclam)]2+ (M = Ni,) Tj ETQq1 1 0.784314 rgBT	4.2	16
56	Plankâ€Shaped Columnâ€Forming Mesogens with Substituents on One Side Only. Chemistry - A European Journal, 2015, 21, 7603-7610.	1.7	16
57	Columnar Liquidâ€Crystalline Dinaphthoperylenetetracarboxdiimides. Chemistry - A European Journal, 2015, 21, 4391-4397.	1.7	15
58	Enantiomeric resolution and X-ray optical activity of a tricobalt extended metal atom chain. Chemical Science, 2018, 9, 1136-1143.	3.7	15
59	Molecular Mechanism of Action of 2â€Ferrocenylâ€1,1â€diphenylbutâ€1â€ene on HLâ€60 Leukemia Cells. ChemMedChem, 2014, 9, 2580-2586.	1.6	14
60	EPR probing of bonding and spin localization of the doublet-quartet states in a spin-frustrated equilateral triangular lattice: Cu3(O2C16H23)6Â·1.2 C6H12. Comptes Rendus Chimie, 2003, 6, 39-46.	0.2	13
61	Anodic properties of diarylethene derivatives having organometallic piano-stool tags. Chemical Communications, 2011, 47, 10109.	2.2	13
62	Complementary Synthetic Approaches to Elongated Polycyclic Arenes with Regioisomeric Carboxylic Substitution Patterns. European Journal of Organic Chemistry, 2015, 2015, 1028-1032.	1.2	13
63	Tetracarboxyâ€Functionalized [8]â€, [10]â€, [12]â€, and [14]Phenacenes. European Journal of Organic Chemistry, 2017, 2017, 4548-4551.	1.2	13
64	Cr(pyrazine)2(OSO2CH3)2: A two-dimensional coordination polymer with an antiferromagnetic ground state. Polyhedron, 2018, 153, 248-253.	1.0	13
65	Validation of microscopic magnetochiral dichroism theory. Science Advances, 2021, 7, .	4.7	13
66	Chirality determination in crystals. Chirality, 2022, 34, 163-181.	1.3	13
67	An â€œIntermediate Spinâ€•Nickel Hydride Complex Stemming from Delocalized Ni₂(Î¼-H)₂ Bonding. Journal of the American Chemical Society, 2014, 136, 13538-13541.	6.6	12
68	From 1,4â€Phenylenebis(phenylmaleate) to a Roomâ€Temperature Liquidâ€Crystalline Benzo[ghi]perylene Diimide. ChemPlusChem, 2017, 82, 342-346.	1.3	12
69	Columnar Liquidâ€Crystalline Dibenzopentacenodithiophenes by Photocyclization. Chemistry - A European Journal, 2016, 22, 8043-8047.	1.7	11
70	Rational Selfâ€Assembly of Tricobalt Extended Metal Atom Chains and [MF₆]^{2â€“} Building Blocks into Oneâ€Dimensional Coordination Polymers. European Journal of Inorganic Chemistry, 2018, 2018, 320-325.	1.0	11
71	A linear metalâ€“metal bonded tri-iron single-molecule magnet. Chemical Communications, 2021, 57, 13357-13360.	2.2	10
72	High rectification in organic diodes based on liquid crystalline phthalocyanines. Physical Chemistry Chemical Physics, 2015, 17, 32390-32397.	1.3	9

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73	One-dimensional coordination polymers of [Co₃(dpa)₄]²⁺ and [MF₆]^{2â^'} (M = Re^{IV}, Zr^{IV} and Sn^{IV}). Chemical Communications, 2015, 51, 17748-17751.	2.2	9
74	Paramagnetism in Metal-Metal Bonded Paddlewheel Complexes. Current Inorganic Chemistry, 2013, 3, 112-143.	0.2	8
75	Isomeric Columnâ€Forming Esters and Imides with Varying Curvatures of the Aromatic Plane. Chemistry - A European Journal, 2018, 24, 2214-2223.	1.7	7
76	Crystal structure and magnetic behavior of Cu3(O2C16H23)6Â·1.2ÂC6H12. An unexpected structure and an example of spin frustration. Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry, 2001, 4, 315-319.	0.1	6
77	Antiparasitic and immunomodulatory activities of 1,1â€bis(4â€hydroxyphenyl)â€2â€phenylâ€butâ€1â€ene and its protected and free 2â€ferrocenyl derivatives. Drug Development Research, 2010, 71, 69-75.	1.4	6
78	Design of Binary Nb₂O₅â€“SiO₂ Self-Standing Monoliths Bearing Hierarchical Porosity and Their Efficient Friedelâ€“Crafts Alkylation/Acylation Catalytic Properties. ACS Applied Materials & Interfaces, 2022, 14, 13305-13316.	4.0	6
79	Enantiopure Chiral Coordination Polymers Based on Polynuclear Paddlewheel Helices and Arsenyl Tartrate. Polymers, 2018, 10, 311.	2.0	5
80	Tris(ethylenediamine) Cobalt(II) and Manganese(II) Nitrates. Crystals, 2020, 10, 472.	1.0	4
81	Rapid Discrimination of Crystal Handedness by Xâ€ray Natural Circular Dichroism (XNCD) Mapping. Chemistry - A European Journal, 2020, 26, 13363-13366.	1.7	4
82	Temperature dependence of the spin state and geometry in tricobalt paddlewheel complexes with halide axial ligands. Dalton Transactions, 2018, 47, 16798-16806.	1.6	2
83	Extrusion-based Integrative Chemistry: Generation and applications of inorganic fibers. Comptes Rendus Chimie, 2016, 19, 674-683.	0.2	1
84	Formation of the unprecedented trinuclear [NiCu2(CN)8]4â^' complex anion within the crystal structure of [Ni(5,5â€²-dmbpy)3]2[NiCu2(CN)8]Â·6H2O. Inorganic Chemistry Communication, 2018, 91, 16-19.	1.8	0
85	Resolution, structures, and vibrational circular dichroism of helicoidal trinickel and tricobalt paddlewheel complexes. Chirality, 2020, 32, 753-764.	1.3	0
86	Structural identification and antiproliferative activity of metallodrugs. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C130-C130.	0.3	0
87	Enantiomeric resolution of helicochiral paddlewheel complexes and their infrared, Raman, UVâ€“vis and X-ray optical activity. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, a108-a108.	0.0	0