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	Chirality determination in crystals. Chirality, 2022, 34, 163-181.	1.3	13
2	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
3	Validation of microscopic magnetochiral dichroism theory. Science Advances, 2021, 7, .	4.7	13
4	Magnetoâ€chiral anisotropy: From fundamentals to perspectives. Chirality, 2021, 33, 844-857.	1.3	31
5	A linear metalâ€“metal bonded tri-iron single-molecule magnet. Chemical Communications, 2021, 57, 13357-13360.	2.2	10
6	Resolution, structures, and vibrational circular dichroism of helicoidal trinickel and tricobalt paddlewheel complexes. Chirality, 2020, 32, 753-764.	1.3	0
7	Tris(ethylenediamine) Cobalt(II) and Manganese(II) Nitrates. Crystals, 2020, 10, 472.	1.0	4
8	Rapid Discrimination of Crystal Handedness by Xâ€ray Natural Circular Dichroism (XNCD) Mapping. Chemistry - A European Journal, 2020, 26, 13363-13366.	1.7	4
9	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
10	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
11	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
12	Enantiomeric resolution and X-ray optical activity of a tricobalt extended metal atom chain. Chemical Science, 2018, 9, 1136-1143.	3.7	15
13	Isomeric Columnâ€Forming Esters and Imides with Varying Curvatures of the Aromatic Plane. Chemistry - A European Journal, 2018, 24, 2214-2223.	1.7	7
14	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
15	Enantiopure Chiral Coordination Polymers Based on Polynuclear Paddlewheel Helices and Arsenyl Tartrate. Polymers, 2018, 10, 311.	2.0	5
16	Cr(pyrazine)2(OSO2CH3)2: A two-dimensional coordination polymer with an antiferromagnetic ground state. Polyhedron, 2018, 153, 248-253.	1.0	13
17	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
18	From 1,4â€Phenylenebis(phenylmaleate) to a Roomâ€Temperature Liquidâ€Crystalline Benzo[ghi]perylene Diimide. ChemPlusChem, 2017, 82, 342-346.	1.3	12

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19	Non-planar oligoarylene macrocycles from biphenyl. Chemical Communications, 2017, 53, 11540-11543.	2.2	35
20	Tetracarboxyâ€Functionalized [8]â€, [10]â€, [12]â€, and [14]Phenacenes. European Journal of Organic Chemistry, 2017, 2017, 4548-4551.	1.2	13
21	Columnar Liquidâ€Crystalline Dibenzopentacenodithiophenes by Photocyclization. Chemistry - A European Journal, 2016, 22, 8043-8047.	1.7	11
22	Extrusion-based Integrative Chemistry: Generation and applications of inorganic fibers. Comptes Rendus Chimie, 2016, 19, 674-683.	0.2	1
23	High rectification in organic diodes based on liquid crystalline phthalocyanines. Physical Chemistry Chemical Physics, 2015, 17, 32390-32397.	1.3	9
24	Complementary Synthetic Approaches to Elongated Polycyclic Arenes with Regioisomeric Carboxylic Substitution Patterns. European Journal of Organic Chemistry, 2015, 2015, 1028-1032.	1.2	13
25	From Chrysene to Double [5]Helicenes. European Journal of Organic Chemistry, 2015, 2015, 1033-1039.	1.2	30
26	Columnar Liquidâ€Crystalline Dinaphthoperylenetetracarboxdiimides. Chemistry - A European Journal, 2015, 21, 4391-4397.	1.7	15
27	Plankâ€Shaped Columnâ€Forming Mesogens with Substituents on One Side Only. Chemistry - A European Journal, 2015, 21, 7603-7610.	1.7	16
28	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
29	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
30	Oxidative Stretching of Metalâ€“Metal Bonds to Their Limits. Inorganic Chemistry, 2014, 53, 4777-4790.	1.9	31
31	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
32	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
33	Helicenes from Diarylmaleimides. Organic Letters, 2014, 16, 1546-1549.	2.4	52
34	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
35	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
36	Paramagnetism in Metal-Metal Bonded Paddlewheel Complexes. Current Inorganic Chemistry, 2013, 3, 112-143.	0.2	8

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37	In vitro inhibitory properties of ferrocene-substituted chalcones and aurones on bacterial and human cell cultures. Dalton Transactions, 2012, 41, 6451.	1.6	59
38	Ferrocenyl catechols: synthesis, oxidation chemistry and anti-proliferative effects on MDA-MB-231 breast cancer cells. Dalton Transactions, 2012, 41, 7537.	1.6	45
39	A canted antiferromagnetic ordered phase of cyanido-bridged MnIII2ReIV single-chain magnets. Chemical Communications, 2012, 48, 9717.	2.2	57
40	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
41	Deciphering the Activation Sequence of Ferrociphenol Anticancer Drug Candidates. Chemistry - A European Journal, 2012, 18, 6581-6587.	1.7	75
42	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
43	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
44	Anodic properties of diarylethene derivatives having organometallic piano-stool tags. Chemical Communications, 2011, 47, 10109.	2.2	13
45	Synthesis and Structural Characterization of Ferrocenyl-Substituted Aurones, Flavones, and Flavonols. Organometallics, 2011, 30, 5424-5432.	1.1	33
46	Bioorganometallics: Future Trends in Drug Discovery, Analytical Chemistry, and Catalysis[,]. Organometallics, 2011, 30, 20-27.	1.1	170
47	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
48	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
49	Structural identification and antiproliferative activity of metallodrugs. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C130-C130.	0.3	0
50	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
51	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
52	Comparative toxicity of [3]ferrocenophane and ferrocene moieties on breast cancer cells. Tetrahedron Letters, 2010, 51, 118-120.	0.7	54
53	Ferrocene Functionalized Endocrine Modulators as Anticancer Agents. Topics in Organometallic Chemistry, 2010, , 81-117.	0.7	112
54	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 ETQq0 0 0 rgBT /Overlock 10 T 132, 1839-1847.	6.6	19

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55	Synthesis of cytotoxic ferrocenyl flavones via a ferricenium-mediated 1,6-oxidative cyclization. Chemical Communications, 2010, 46, 5145.	2.2	34
56	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
57	Synthesis and Structureâ€“Activity Relationships of Ferrocenyl Tamoxifen Derivatives with Modified Side Chains. Chemistry - A European Journal, 2009, 15, 684-696.	1.7	58
58	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
59	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
60	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
61	Synthesis, oxidation chemistry and cytotoxicity studies on ferrocene derivatives of diethylstilbestrol. Dalton Transactions, 2009, , 10871.	1.6	36
62	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
63	Structural and biological investigation of ferrocene-substituted 3-methylidene-1,3-dihydro-2H-indol-2-ones. Dalton Transactions, 2009, , 918-921.	1.6	57
64	Role of aromatic substituents on the antiproliferative effects of diphenyl ferrocenyl butene compounds. Dalton Transactions, 2009, , 4318.	1.6	28
65	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
66	Electrochemical parameters and techniques in drug development, with an emphasis on quinones and related compounds. Chemical Communications, 2008, , 2612.	2.2	181
67	Ferrocifens and Ferrocifenols as New Potential Weapons against Breast Cancer. Chimia, 2007, 61, 716.	0.3	152
68	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
69	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
70	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
71	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
72	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

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73	A Series of Unconjugated Ferrocenyl Phenols: Prospects as Anticancer Agents. ChemMedChem, 2006, 1, 551-559.	1.6	109
74	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
75	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
76	Selective Estrogen Receptor Modulators in the Ruthenocene Series. Synthesis and Biological Behavior. Journal of Medicinal Chemistry, 2005, 48, 2814-2821.	2.9	109
77	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
78	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
79	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
80	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
81	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
82	The Lengths of Molybdenum to Molybdenum Quadruple Bonds:â€‰ Correlations, Explanations, and Corrections. Inorganic Chemistry, 2002, 41, 2466-2470.	1.9	67
83	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
84	Filling a Void:Â Isolation and Characterization of Tetracarboxylato Dimolybdenum Cations. Inorganic Chemistry, 2002, 41, 1639-1644.	1.9	69
85	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
86	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
87	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