List of Publications by Year in descending order

323 papers	11,345 citations	23500 58 h-index	48187 88 g-index
358 all docs	358 docs citations	358 times ranked	5881 citing authors

#	Article	IF	Citations
1	Cholesky Decomposition-Based Multiconfiguration Second-Order Perturbation Theory (CD-CASPT2): Application to the Spin-State Energetics of Co^{III}(diiminato)(NPh). Journal of Chemical Theory and Computation, 2008, 4, 694-702.	2.3	336
2	Electronic Structure of Corrole Derivatives: Insights from Molecular Structures, Spectroscopy, Electrochemistry, and Quantum Chemical Calculations. Chemical Reviews, 2017, 117, 3798-3881.	23.0	273
3	Electronic Absorption, Resonance Raman, and Electrochemical Studies of Planar and Saddled Copper(III) meso-Triarylcorroles. Highly Substituent-Sensitive Soret Bands as a Distinctive Feature of High-Valent Transition Metal Corroles. Journal of the American Chemical Society, 2002, 124, 8104-8116.	6.6	232
4	Catalytic generation of N2O3 by the concerted nitrite reductase and anhydrase activity of hemoglobin. Nature Chemical Biology, 2007, 3, 785-794.	3.9	206
5	High-level ab initio calculations on the energetics of low-lying spin states of biologically relevant transition metal complexes: a first progress report. Current Opinion in Chemical Biology, 2003, 7, 113-124.	2.8	191
6	Electronic Structure of Gallium, Copper, and Nickel Complexes of Corrole. High-Valent Transition Metal Centers versus Noninnocent Ligands. Journal of the American Chemical Society, 2000, 122, 5100-5104.	6.6	183
7	DFT Calculations on the Spin-Crossover Complex Fe(salen)(NO):â€‰ A Quest for the Best Functional. Journal of Physical Chemistry B, 2007, 111, 12621-12624.	1.2	183
8	Transition metal spin state energetics and noninnocent systems: challenges for DFT in the bioinorganic arena. Journal of Biological Inorganic Chemistry, 2006, 11, 712-724.	1.1	181
9	First-Principles Quantum Chemical Studies of Porphyrins. Accounts of Chemical Research, 1998, 31, 189-198.	7.6	176
10	The Structural Chemistry of Metallocorroles: Combined X-ray Crystallography and Quantum Chemistry Studies Afford Unique Insights. Accounts of Chemical Research, 2012, 45, 1203-1214.	7.6	155
11	A Perspective of One-Pot Pyrroleâ€“Aldehyde Condensations as Versatile Self-Assembly Processes. Angewandte Chemie - International Edition, 2004, 43, 1918-1931.	7.2	152
12	Electron correlation in tetrapyrroles: ab initio calculations on porphyrin and the tautomers of chlorin. The Journal of Physical Chemistry, 1993, 97, 10964-10970.	2.9	142
13	Do Nonplanar Porphyrins Have Red-Shifted Electronic Spectra? A DFT/SCI Study and Reinvestigation of a Recent Proposal. Journal of the American Chemical Society, 2000, 122, 6371-6374.	6.6	141
14	Electrochemical and Electronic Absorption Spectroscopic Studies of Substituent Effects in Iron(IV) and Manganese(IV) Corroles. Do the Compounds Feature High-Valent Metal Centers or Noninnocent Corrole Ligands? Implications for Peroxidase Compound I and II Intermediates. Journal of Physical Chemistry B, 2001, 105, 11406-11413.	1.2	139
15	Do Nonplanar Distortions of Porphyrins Bring about Strongly Red-Shifted Electronic Spectra? Controversy, Consensus, New Developments, and Relevance to Chelatases. Journal of the American Chemical Society, 2002, 124, 8099-8103.	6.6	133
16	Carbonyl Tilting and Bending Potential Energy Surface of Carbon Monoxyhemes. The Journal of Physical Chemistry, 1996, 100, 6363-6367.	2.9	123
17	Substituent Effects on Valence Ionization Potentials of Free Base Porphyrins: A Local Density Functional Study. Journal of the American Chemical Society, 1995, 117, 4691-4699.	6.6	122
18	Electronic effects of peripheral substituents in porphyrins: x-ray photoelectron spectroscopy and ab initio self-consistent field calculations. Journal of the American Chemical Society, 1992, 114, 9990-10000.	6.6	119

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19	Î²-Octafluorocorroles. Journal of the American Chemical Society, 2003, 125, 16300-16309.	6.6	119
20	Electronic Structure of Trigonal-Planar Transition-Metalâ^'Imido Complexes:â€‰ Spin-State Energetics, Spin-Density Profiles, and the Remarkable Performance of the OLYP Functional. Journal of Chemical Theory and Computation, 2007, 3, 689-702.	2.3	110
21	Substituent Effects in Porphyrazines and Phthalocyanines. Journal of the American Chemical Society, 1994, 116, 1932-1940.	6.6	105
22	Synthesis and Molecular Structure of Gold Triarylcorroles. Inorganic Chemistry, 2011, 50, 12844-12851.	1.9	105
23	Copper Corroles Are Inherently Saddled. Inorganic Chemistry, 2009, 48, 7794-7799.	1.9	103
24	Metalloporphyrinâ^'NO Bonding:Â Building Bridges with Organometallic Chemistry. Accounts of Chemical Research, 2005, 38, 943-954.	7.6	102
25	Characterizing foreground for redshifted 21â€‰cm radiation: 150â€‰MHz Giant Metrewave Radio Telescope observations. Monthly Notices of the Royal Astronomical Society, 2012, 426, 3295-3314.	1.6	100
26	Synthesis, Structure, Electronic Spectroscopy, Photophysics, Electrochemistry, and X-ray Photoelectron Spectroscopy of Highly-Electron-Deficient [5,10,15,20-Tetrakis(perfluoroalkyl)porphinato]zinc(II) Complexes and Their Free Base Derivatives. Journal of the American Chemical Society, 1996, 118, 8344-8354.	6.6	92
27	Ligand Noninnocence in Coinage Metal Corroles: A Silver Knifeâ€Edge. Chemistry - A European Journal, 2015, 21, 16839-16847.	1.7	92
28	Electrochemistry of Nickel and CopperÎ²-Octahalogeno-meso-tetraarylporphyrins. Evidence for Important Role Played by Saddling-Induced Metal(dx2-y2)â^'Porphyrin(â€œa2uâ€) Orbital Interactions. Journal of Physical Chemistry B, 2001, 105, 8120-8124.	1.2	90
29	High-valent transition metal centers and noninnocent ligands in metalloporphyrins and related molecules: a broad overview based on quantum chemical calculations. Journal of Biological Inorganic Chemistry, 2001, 6, 739-752.	1.1	90
30	High-valent transition metal centers versus noninnocent ligands in metallocorroles: insights from electrochemistry and implications for high-valent heme protein intermediates. Journal of Inorganic Biochemistry, 2002, 91, 423-436.	1.5	89
31	Not Innocent: Verdict from Ab Initio Multiconfigurational Second-Order Perturbation Theory on the Electronic Structure of Chloroiron Corrole. Journal of Physical Chemistry B, 2008, 112, 14099-14102.	1.2	87
32	Gold Tris(carboxyphenyl)corroles as Multifunctional Materials: Room Temperature Near-IR Phosphorescence and Applications to Photodynamic Therapy and Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 18935-18942.	4.0	86
33	Copper Î²-Octakis(trifluoromethyl)corroles: New Paradigms for Ligand Substituent Effects in Transition Metal Complexes. Inorganic Chemistry, 2008, 47, 10469-10478.	1.9	82
34	Molecular structures and electron distributions of higher-valent iron and manganese porphyrins: Density functional theory calculations and some preliminary open-shell coupled-cluster results. Journal of Porphyrins and Phthalocyanines, 2001, 05, 345-356.	0.4	80
35	Molecular Structures, Tautomerism, and Carbon Nucleophilicity of Free-Base Inverted Porphyrins and Carbaporphyrins:Â A Density Functional Theoretical Study. Journal of Physical Chemistry B, 1998, 102, 10459-10467.	1.2	76
36	Nonplanar, Noninnocent, and Chiral: A Strongly Saddled Metallocorrole. Inorganic Chemistry, 2010, 49, 7608-7610.	1.9	76

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37	A First-Principles Quantum Chemical Analysis of the Factors Controlling Ruffling Deformations of Porphyrins:Â Insights from the Molecular Structures and Potential Energy Surfaces of Silicon, Phosphorus, Germanium, and Arsenic Porphyrins and of a Peroxidase Compound I Model. Journal of the American Chemical Society, 1999, 121, 12154-12160.	6.6	75
38	Gold corroles. Journal of Porphyrins and Phthalocyanines, 2011, 15, 106-110.	0.4	75
39	Robust estimation for independent non-homogeneous observations using density power divergence with applications to linear regression. Electronic Journal of Statistics, 2013, 7, .	0.4	75
40	Electronic Structure and FeNO Conformation of Nonheme Ironâˆ’Thiolateâˆ’NO Complexes:â€‰ An Experimental and DFT Study. Journal of the American Chemical Society, 2007, 129, 10446-10456.	6.6	71
41	Seven Clues to Ligand Noninnocence: The Metallocorrole Paradigm. Accounts of Chemical Research, 2019, 52, 2003-2014.	7.6	71
42	Calibration of DFT Functionals for the Prediction of 57Fe MÃ¶ssbauer Spectral Parameters in Ironâ€“Nitrosyl and Ironâ€“Sulfur Complexes: Accurate Geometries Prove Essential. Journal of Chemical Theory and Computation, 2011, 7, 3232-3247.	2.3	70
43	Density Functional Theoretical Study of Oxo(porphyrinato)iron(IV) Complexes, Models of Peroxidase Compounds I and II. The Journal of Physical Chemistry, 1994, 98, 5576-5579.	2.9	67
44	Structure and Stability of cis-Porphyrin. The Journal of Physical Chemistry, 1995, 99, 1073-1075.	2.9	67
45	Determinants of the Vinyl Stretching Frequency in Protoporphyrins. Implications for Cofactor-Protein Interactions in Heme Proteins. Journal of the American Chemical Society, 1995, 117, 10959-10968.	6.6	67
46	Symmetry-Breaking Phenomena in Metalloporphyrin Ï€-Cation Radicals. Journal of the American Chemical Society, 2002, 124, 8122-8130.	6.6	65
47	Ab initio multiconfiguration reference perturbation theory calculations on the energetics of low-energy spin states of iron(III) porphyrins. Journal of Biological Inorganic Chemistry, 2003, 8, 507-511.	1.1	64
48	Oxidative Metalation as a Route to Sizeâ€Mismatched Macrocyclic Complexes: Osmium Corroles. Angewandte Chemie - International Edition, 2014, 53, 14411-14414.	7.2	64
49	N-Confused Porphyrins and Singlet Carbenes: Is There a Connection?. Angewandte Chemie International Edition in English, 1995, 34, 1028-1030.	4.4	63
50	Mechanism of Cobalt-Porphyrinâ€“Catalyzed Aziridination. ACS Catalysis, 2011, 1, 597-600.	5.5	62
51	Platinum corroles. Chemical Communications, 2014, 50, 11093-11096.	2.2	62
52	Metalâ€“Ligand Misfits: Facile Access to Rheniumâ€“Oxo Corroles by Oxidative Metalation. Chemistry - A European Journal, 2016, 22, 517-520.	1.7	62
53	Improved foreground removal in GMRT 610â€ƒMHz observations towards redshifted 21-cm tomography. Monthly Notices of the Royal Astronomical Society, 2011, 418, 2584-2589.	1.6	61
54	Electronic Distinction between Porphyrins and Tetraazaporphyrins. Insights from X-Ray Photoelectron Spectra of Free Base Porphyrin, Porphyrazine, and Phthalocyanine Ligands. Inorganic Chemistry, 1994, 33, 6057-6060.	1.9	60

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55	Theoretical Studies of Low-Spin Six-Coordinate Iron(III) Porphyrins Relevant to Cytochromes b:â€‰ Variable Electronic Configurations, Ligand Noninnocence, and Macrocycle Ruffling. Journal of Physical Chemistry B, 1999, 103, 1363-1367.	1.2	60
56	Density Functional Theory Based Configuration Interaction Calculations on the Electronic Spectra of Free-Base Porphyrin, Chlorin, Bacteriochlorin, and cis- and trans-Isobacteriochlorin. Journal of Physical Chemistry A, 2000, 104, 2504-2507.	1.1	60
57	â€œTrueâ€•Iron(V) and Iron(VI) Porphyrins:â€‰ A First Theoretical Exploration. Journal of the American Chemical Society, 2002, 124, 3206-3207.	6.6	60
58	Density Functional Theory Calculations on MÃ¶ssbauer Parameters of Nonheme Iron Nitrosyls. Inorganic Chemistry, 2009, 48, 9155-9165.	1.9	60
59	A Theoretical Study of Axial Tilting and Equatorial Asymmetry in Metalloporphyrinâ^'Nitrosyl Complexes. Journal of the American Chemical Society, 2000, 122, 8101-8102.	6.6	59
60	Electronic Absorption and Resonance Raman Signatures of Hyperporphyrins and Nonplanar Porphyrins. Journal of Physical Chemistry B, 2003, 107, 3613-3623.	1.2	59
61	Spectroelectrochemical and ESR studies of highly substituted copper corroles. Journal of Porphyrins and Phthalocyanines, 2004, 08, 1236-1247.	0.4	58
62	A First TDDFT Study of Metallocorrole Electronic Spectra: Copper mesoâ€Triarylcorroles Exhibit Hyper Spectra. European Journal of Inorganic Chemistry, 2011, 2011, 1857-1864.	1.0	58
63	A thermally stable {FeNO}⁸complex: properties and biological reactivity of reduced MNO systems. Chemical Science, 2012, 3, 364-369.	3.7	58
64	Theoretical Evidence Favoring True Iron(V)-Oxo Corrole and Corrolazine Intermediates. Inorganic Chemistry, 2006, 45, 4910-4913.	1.9	57
65	Constraining the epoch of reionization with the variance statistic: simulations of the LOFAR case. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1113-1124.	1.6	54
66	A Quantum Chemical Survey of Metalloporphyrinâ^'Nitrosyl Linkage Isomers:Â Insights into the Observation of Multiple FeNO Conformations in a Recent Crystallographic Determination of Nitrophorin 4. Journal of the American Chemical Society, 2001, 123, 5680-5683.	6.6	53
67	Valence ionization potentials and cation radicals of prototype porphyrins. The remarkable performance of nonlocal density functional theory. Theoretical Chemistry Accounts, 1997, 97, 143-149.	0.5	52
68	Undecaphenylcorroles. Inorganic Chemistry, 2012, 51, 9911-9916.	1.9	52
69	Osmium-nitrido corroles as NIR indicators for oxygen sensors and triplet sensitizers for organic upconversion and singlet oxygen generation. Journal of Materials Chemistry C, 2016, 4, 5822-5828.	2.7	52
70	Electronic Structure of High-Spin Iron(IV) Complexes. European Journal of Inorganic Chemistry, 2004, 2004, 4555-4560.	1.0	51
71	Spin-State Energetics and Spin-Crossover Behavior of Pseudotetrahedral Cobalt(III)â^'Imido Complexes. The Role of the Tripodal Supporting Ligand. Inorganic Chemistry, 2007, 46, 7890-7898.	1.9	51
72	Corrole as a Binucleating Ligand:â€‰ Preparation, Molecular Structure and Density Functional Theory Study of Diboron Corroles. Journal of the American Chemical Society, 2008, 130, 2888-2889.	6.6	51

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73	The ultraviolet photoelectron spectrum of free-base porphyrin revisited. The performance of local density functional theory. Chemical Physics Letters, 1993, 213, 519-521.	1.2	50
74	Theoretical Comparative Study of Free Base Porphyrin, Chlorin, Bacteriochlorin, and Isobacteriochlorin:â€‰ Evaluation of the Potential Roles of ab Initio Hartreeâ^'Fock and Density Functional Theories in Hydroporphyrin Chemistry. Journal of Physical Chemistry B, 1997, 101, 3290-3297.	1.2	50
75	A Metallocorrole with Orthogonal Pyrrole Rings. European Journal of Inorganic Chemistry, 2011, 2011, 1865-1870.	1.0	50
76	Molecular Structures and Energetics of Corrole Isomers: A Comprehensive Local Density Functional Theoretical Study. Chemistry - A European Journal, 1997, 3, 823-833.	1.7	49
77	Cobalt- and Rhodium-Corrole-Triphenylphosphine Complexes Revisited: The Question of a Noninnocent Corrole. Inorganic Chemistry, 2017, 56, 14788-14800.	1.9	49
78	Robust estimation in generalized linear models: the density power divergence approach. Test, 2016, 25, 269-290.	0.7	47
79	Molecular structure of a gold Î²-octakis(trifluoromethyl)-meso-triarylcorrole: an 85Â° difference in saddling dihedral relative to copper. Molecular Physics, 2012, 110, 2439-2444.	0.8	46
80	X-ray Absorption Spectroscopy as a Probe of Ligand Noninnocence in Metallocorroles: The Case of Copper Corroles. Inorganic Chemistry, 2019, 58, 6722-6730.	1.9	46
81	Theoretical Modeling of Putative Ni(III)â^'F430Intermediates of Methylcoenzyme M Reductase. Journal of the American Chemical Society, 2001, 123, 1543-1544.	6.6	44
82	Just how good is DFT?. Journal of Biological Inorganic Chemistry, 2006, 11, 671-673.	1.1	44
83	Broken-Symmetry DFT Spin Densities of Iron Nitrosyls, Including Roussinâ€™s Red and Black Salts: Striking Differences between Pure and Hybrid Functionals. Journal of Physical Chemistry B, 2009, 113, 10540-10547.	1.2	44
84	Visibility-based angular power spectrum estimation in low-frequency radio interferometric observations. Monthly Notices of the Royal Astronomical Society, 2014, 445, 4351-4365.	1.6	44
85	GMRT observation towards detecting the post-reionization 21-cm signal. Monthly Notices of the Royal Astronomical Society, 2011, 411, 2426-2438.	1.6	42
86	Resonance Raman spectroscopy and density functional theoretical calculations of manganese corroles.. Journal of Inorganic Biochemistry, 2002, 88, 113-118.	1.5	41
87	Ligand Noninnocence in Iron Corroles: Insights from Optical and Xâ€ray Absorption Spectroscopies and Electrochemical Redox Potentials. Chemistry - A European Journal, 2017, 23, 15098-15106.	1.7	41
88	Iron(IV) Porphyrin Difluoride Does Not Exist:â€‰ Implications for DFT Calculations on Heme Protein Reaction Pathways. Journal of Chemical Theory and Computation, 2005, 1, 597-600.	2.3	40
89	Hemoglobin as a Nitrite Anhydrase: Modeling Methemoglobinâ€Mediated N2O3Formation. Chemistry - A European Journal, 2011, 17, 6348-6358.	1.7	40
90	Capturing the spin state diversity of iron(III)-aryl porphyrins: OLYP is better than TPSSh. Journal of Inorganic Biochemistry, 2011, 105, 84-91.	1.5	40

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91	Electronic Structure of Cobaltâ€“Corroleâ€“Pyridine Complexes: Noninnocent Five-Coordinate Co(II) Corroleâ€“Radical States. Journal of Physical Chemistry A, 2017, 121, 9589-9598.	1.1	40
92	Deconstructing F430: quantum chemical perspectives of biological methanogenesis. Current Opinion in Chemical Biology, 2001, 5, 744-750.	2.8	39
93	Cryptic noninnocence: FeNO corroles in a new light. Dalton Transactions, 2015, 44, 10146-10151.	1.6	39
94	Direct Porphyrinâ^'Aryl Orbital Overlaps in Somemeso-Tetraarylporphyrins. Journal of the American Chemical Society, 1998, 120, 6227-6230.	6.6	38
95	Theoretical studies on high-valent manganese porphyrins: Toward a deeper understanding of the energetics, electron distributions, and structural features of the reactive intermediates of enzymatic and synthetic manganese-catalyzed oxidative processes. Israel Journal of Chemistry, 2000, 40, 1-8.	1.0	38
96	Substituent effects on metallocorrole spectra: insights from chromium-oxo and molybdenum-oxo triarylcorroles. Journal of Porphyrins and Phthalocyanines, 2011, 15, 1335-1344.	0.4	38
97	The visibility-based tapered gridded estimator (TGE) for the redshifted 21-cm power spectrum. Monthly Notices of the Royal Astronomical Society, 2016, 463, 4093-4107.	1.6	38
98	A First-Principles Quantum Chemical Study of Coenzyme F430:Â Interplay of Skeletal Stereoisomerism and Conformation in the Stabilization of Nickel(I). Journal of the American Chemical Society, 2000, 122, 6375-6381.	6.6	37
99	Norcorrole and Dihydronorcorrole: A Predictive Quantum Chemical Study. European Journal of Inorganic Chemistry, 2005, 2005, 4479-4485.	1.0	37
100	Reductive demetalation of copper corroles: first simple route to free-base Î²-octabromocorroles. Journal of Porphyrins and Phthalocyanines, 2008, 12, 964-967.	0.4	37
101	Low-Energy States of Manganeseâ€“Oxo Corrole and Corrolazine: Multiconfiguration Reference ab Initio Calculations. Inorganic Chemistry, 2012, 51, 4002-4006.	1.9	37
102	Robust estimation for non-homogeneous data and the selection of the optimal tuning parameter: the density power divergence approach. Journal of Applied Statistics, 2015, 42, 2056-2072.	0.6	37
103	Relativity or aromaticity? A first-principles perspective of chemical shifts in osmabenzene and osmapentalene derivatives. Physical Chemistry Chemical Physics, 2020, 22, 10863-10869.	1.3	37
104	Iron(III)â^'Nitro Porphyrins:Â Theoretical Exploration of a Unique Class of Reactive Molecules. Inorganic Chemistry, 2006, 45, 4902-4909.	1.9	36
105	Bonding in Low-Coordinate Environments:â€‰ Electronic Structure of Pseudotetrahedral Ironâ^'Imido Complexes. Journal of Chemical Theory and Computation, 2007, 3, 448-457.	2.3	36
106	Ab Initio Hartree-Fock and Local Density Functional Calculations on Prototype Halogenated Porphyrins. Do Electrochemically Measured Substituent Effects Reflect Gas-Phase Trends?. The Journal of Physical Chemistry, 1994, 98, 11004-11006.	2.9	34
107	Stable Eight-Coordinate Iron(III/II) Complexes. Inorganic Chemistry, 2010, 49, 2032-2034.	1.9	34
108	Corroles Cannot Ruffle. Inorganic Chemistry, 2011, 50, 3247-3251.	1.9	34

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109	Molecular Structures of Free-Base Corroles: Nonplanarity, Chirality, and Enantiomerization. Journal of Physical Chemistry A, 2015, 119, 3452-3457.	1.1	34
110	Mono- and Diboron Corroles: Factors Controlling Stoichiometry and Hydrolytic Reactivity. Inorganic Chemistry, 2014, 53, 5486-5493.	1.9	33
111	Spin Coupling in Roussinâ€™s Red and Black Salts. Chemistry - A European Journal, 2010, 16, 10397-10408.	1.7	32
112	Understanding the Unusually Straight: A Search For MO Insights into Linear {FeNO}7 Units. Journal of Physical Chemistry B, 2010, 114, 8517-8524.	1.2	32
113	Robust Bayes estimation using the density power divergence. Annals of the Institute of Statistical Mathematics, 2016, 68, 413-437.	0.5	32
114	Ligand noninnocence in FeNO corroles: insights from Î²-octabromocorrole complexes. Dalton Transactions, 2016, 45, 681-689.	1.6	32
115	A Wald-type test statistic for testing linear hypothesis in logistic regression models based on minimum density power divergence estimator. Electronic Journal of Statistics, 2017, 11, .	0.4	32
116	Electronic Structure of High-Valent Transition Metal Corrolazine Complexes. The Young and Innocent?. Journal of the American Chemical Society, 2002, 124, 8117-8121.	6.6	31
117	Synthesis and Reactivity Studies of a Tin(II) Corrole Complex. Inorganic Chemistry, 2014, 53, 7047-7054.	1.9	31
118	Influence analysis of robust Wald-type tests. Journal of Multivariate Analysis, 2016, 147, 102-126.	0.5	31
119	Toward Modeling H-NOX Domains:Â A DFT Study of Heme-NO Complexes as Hydrogen Bond Acceptors. Inorganic Chemistry, 2005, 44, 7802-7805.	1.9	30
120	Electronic Structure of Non-Heme High-Valent Oxoiron Complexes with the Unprecedented[Fe2(Î¼ï£¿O)2]3+ Core. Angewandte Chemie International Edition in English, 1996, 35, 770-772.	4.4	29
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122	Synthesis and Molecular Structure of ⁹⁹Tc Corroles. Chemistry - A European Journal, 2016, 22, 18747-18751.	1.7	29
123	Stepwise Deoxygenation of Nitrite as a Route to Two Families of Ruthenium Corroles: Group 8 Periodic Trends and Relativistic Effects. Inorganic Chemistry, 2017, 56, 5285-5294.	1.9	29
124	The Story of 5d Metallocorroles: From Metalâ€“Ligand Misfits to New Building Blocks for Cancer Phototherapeutics. Accounts of Chemical Research, 2021, 54, 3095-3107.	7.6	29
125	Valence tautomerism and macrocycle ruffling in nickel(III) porphyrins. Journal of Inorganic Biochemistry, 2000, 78, 79-82.	1.5	28
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128	Modeling Side-On NO Coordination to Type 2 Copper in Nitrite Reductase:â€‰ Structures, Energetics, and Bonding. Journal of the American Chemical Society, 2005, 127, 15384-15385.	6.6	27
129	Predictions for the 21 cm-galaxy cross-power spectrum observable with LOFAR and Subaru. Monthly Notices of the Royal Astronomical Society, 2016, 457, 666-675.	1.6	27
130	Ruffling Deformations of Nickel(II) and Zinc(II) Hydroporphyrin and Chlorophin Complexes:Â Implications for F430, the Nickel Tetrapyrrole Cofactor of Methylcoenzyme M Reductaseâ€. Journal of Physical Chemistry B, 2000, 104, 10858-10862.	1.2	26
131	Do the One-Electron Oxidized Derivatives of Some Six-Coordinate Low-Spin Iron(III) Porphyrins Feature Strong Metalâ^'Ligand Ferromagnetic Coupling?. Journal of Physical Chemistry B, 2003, 107, 6486-6490.	1.2	26
132	Reductive coupling and protonation leading to diboron corroles with a Bâ€“Hâ€“B bridge. Dalton Transactions, 2010, 39, 4032.	1.6	26
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134	Tapering the sky response for angular power spectrum estimation from low-frequency radio-interferometric data. Monthly Notices of the Royal Astronomical Society, 2016, 459, 151-156.	1.6	26
135	Electronic Structure of Manganese Corroles Revisited: X-ray Structures, Optical and X-ray Absorption Spectroscopies, and Electrochemistry as Probes of Ligand Noninnocence. Inorganic Chemistry, 2018, 57, 9656-9669.	1.9	26
136	Ambient-temperature near-IR phosphorescence and potential applications of rhenium-oxo corroles. Photochemical and Photobiological Sciences, 2019, 18, 1166-1170.	1.6	26
137	Nâ€Fehlgeordnete Porphyrine und Singulettâ€Carbene â€“ besteht ein Zusammenhang?. Angewandte Chemie, 1995, 107, 1117-1119.	1.6	25
138	High-valent iron intermediates in biology. Journal of Inorganic Biochemistry, 2006, 100, 419-420.	1.5	25
139	DFT survey of monoboron and diboron corroles: regio- and stereochemical preferences for a constrained, low-symmetry macrocycle. Dalton Transactions, 2008, , 4464.	1.6	25
140	Synthesis of Co^{II}â€“NO^{â€“} Complexes and Their Reactivity as a Source of Nitroxyl. Journal of the American Chemical Society, 2016, 138, 12459-12471.	6.6	25
141	Norcorrole as a Delocalized, Antiaromatic System. Scientific Reports, 2019, 9, 4852.	1.6	24
142	Advanced Paramagnetic Resonance Studies on Manganese and Iron Corroles with a Formal d⁴ Electron Count. Inorganic Chemistry, 2020, 59, 1075-1090.	1.9	24
143	EPR, ENDOR, and DFT Studies on (?-Octahalo-meso-tetraarylporphyrin)copper Complexes: Characterization of the Metal(dx2?y2)?Porphyrin(a2u) Orbital Interaction. European Journal of Inorganic Chemistry, 2005, 2005, 1609-1615.	1.0	23
144	Î²-octabromo-meso-tris(pentafluorophenyl)corrole: reductive demetalation-based synthesis of a heretofore inaccessible, perhalogenated free-base corrole. Journal of Porphyrins and Phthalocyanines, 2010, 14, 509-512.	0.4	23

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