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	Robust inference for skewed data in health sciences. Journal of Applied Statistics, 2022, 49, 2093-2123.	0.6	1
2	A Robust Generalization of the Rao Test. Journal of Business and Economic Statistics, 2022, 40, 868-879.	1.8	7
3	Robust parametric inference for finite Markov chains. Test, 2022, 31, 118-147.	0.7	0
4	Comparing Isoelectronic, Quadruple-Bonded Metalloporphyrin and Metallocorrole Dimers: Scalar-Relativistic DFT Calculations Predict a >1 eV Range for Ionization Potential and Electron Affinity. ACS Physical Chemistry Au, 2022, 2, 70-78.	1.9	7
5	Structure-sensitive marker bands of metallocorroles: A resonance Raman study of manganese and gold corrole derivatives. Journal of Inorganic Biochemistry, 2022, 231, 111783.	1.5	1
6	Strata-based quantification of distributional uncertainty in socio-economic indicators: A comparative study of Indian states. Socio-Economic Planning Sciences, 2022, 81, 101207.	2.5	1
7	Iridium(VII)â€“Corrole Terminal Carbides Should Exist as Stable Compounds. ACS Organic & Inorganic Au, 2022, 2, 159-163.	1.9	4
8	Out in Inorganic Chemistry: A Celebration of LGBTQIAPN+ Inorganic Chemists. Inorganic Chemistry, 2022, 61, 5435-5441.	1.9	3
9	The Hyperporphyrin Concept: A Contemporary Perspective. Jacs Au, 2022, 2, 1543-1560.	3.6	15
10	Robust semiparametric inference for polytomous logistic regression with complex survey design. Advances in Data Analysis and Classification, 2021, 15, 701-734.	0.9	5
11	Robust Wald-type tests in GLM with random design based on minimum density power divergence estimators. Statistical Methods and Applications, 2021, 30, 973-1005.	0.7	3
12	Maximum entropy framework for a universal rank order distribution with socio-economic applications. Physica A: Statistical Mechanics and Its Applications, 2021, 563, 125433.	1.2	4
13	Heavy-elementâ€“ligand covalence: ligand noninnocence in molybdenum and tungsten Viking-helmet Corroles. Dalton Transactions, 2021, 50, 12843-12849.	1.6	6
14	X-ray absorption spectroscopy of exemplary platinum porphyrin and corrole derivatives: metal-<i>versus</i> ligand-centered oxidation. RSC Advances, 2021, 11, 32269-32274.	1.7	3
15	An Exemplary Gay Scientist and Mentor: Martin Gouterman (1931â€“2020). Angewandte Chemie, 2021, 133, 9844-9854.	1.6	0
16	An Exemplary Gay Scientist and Mentor: Martin Gouterman (1931â€“2020). Angewandte Chemie - International Edition, 2021, 60, 9760-9770.	7.2	13
17	A Scale-Invariant Generalization of the RÃ©nyi Entropy, Associated Divergences and Their Optimizations Under Tsallisâ€™ Nonextensive Framework. IEEE Transactions on Information Theory, 2021, 67, 2141-2161.	1.5	7
18	Rhenium Corrole Dimers: Electrochemical Insights into the Nature of the Metalâ€“Metal Quadruple Bond. Inorganic Chemistry, 2021, 60, 8315-8321.	1.9	15

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19	A robust variable screening procedure for ultra-high dimensional data. Statistical Methods in Medical Research, 2021, 30, 1816-1832.	0.7	5
20	Simple, Axial Ligand-Mediated Route to Water-Soluble Iridium Corroles. ACS Omega, 2021, 6, 16683-16687.	1.6	3
21	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
22	Relativity as a Synthesis Design Principle: A Comparative Study of [3 + 2] Cycloaddition of Technetium(VII) and Rhenium(VII) Trioxo Complexes with Olefins. Inorganic Chemistry, 2021, 60, 11090-11097.	1.9	8
23	Ligand-Centered Triplet Diradical Supported by a Binuclear Palladium(II) Dipyrrindione. Inorganic Chemistry, 2021, 60, 12457-12466.	1.9	7
24	Robust Waldâ€type tests under random censoring. Statistics in Medicine, 2021, 40, 1285-1305.	0.8	5
25	A DMRG/CASPT2 Investigation of Metallocorroles: Quantifying Ligand Noninnocence in Archetypal 3d and 4d Element Derivatives. Jacs Au, 2021, 1, 2303-2314.	3.6	12
26	Robust density power divergence based tests in multivariate analysis: A comparative overview of different approaches. Journal of Multivariate Analysis, 2021, , 104846.	0.5	1
27	Understanding Hyperporphyrin Spectra: TDDFT Calculations on Diprotonated Tetrakis(p-aminophenyl)porphyrin. Journal of Physical Chemistry A, 2021, 125, 9953-9961.	1.1	17
28	Regioselective formylation of rhenium-oxo and gold corroles: substituent effects on optical spectra and redox potentials. RSC Advances, 2021, 11, 34086-34094.	1.7	8
29	The Dog That Didnâ€™t Bark: A New Interpretation of Hypsoporphyrin Spectra and the Question of Hypsocorroles. Journal of Physical Chemistry A, 2021, 125, 9962-9968.	1.1	6
30	Advanced Paramagnetic Resonance Studies on Manganese and Iron Corroles with a Formal d⁴ Electron Count. Inorganic Chemistry, 2020, 59, 1075-1090.	1.9	24
31	Gold dipyrrin-bisphenolates: a combined experimental and DFT study of metalâ€“ligand interactions. RSC Advances, 2020, 10, 533-540.	1.7	12
32	Comments on: On active learning methods for manifold data. Test, 2020, 29, 34-37.	0.7	0
33	Nature of the copper-nitrosyl intermediates of copper nitrite reductases during catalysis. Chemical Science, 2020, 11, 12485-12492.	3.7	6
34	Heavy Metal Effects on the Photovoltaic Properties of Metallocorroles in Dye-Sensitized Solar Cells. ACS Applied Energy Materials, 2020, 3, 12460-12467.	2.5	16
35	Synthesis and molecular structure of perhalogenated rhenium-oxo corroles. Scientific Reports, 2020, 10, 19727.	1.6	6
36	Electronic Structure of Neutral and Anionic Ironâ€“Nitrosyl Corrole. A Multiconfigurational and Density Matrix Renormalization Group Investigation. Inorganic Chemistry, 2020, 59, 11493-11502.	1.9	16

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37	All-sky angular power spectrumÂâ€“Âl. Estimating brightness temperature fluctuations using the 150-MHz TGSS survey. Monthly Notices of the Royal Astronomical Society, 2020, 494, 1936-1945.	1.6	17
38	Ultrahigh-Dimensional Robust and Efficient Sparse Regression Using Non-Concave Penalized Density Power Divergence. IEEE Transactions on Information Theory, 2020, 66, 7812-7827.	1.5	11
39	X-ray absorption spectroscopy of archetypal chromium porphyrin and corrole derivatives. RSC Advances, 2020, 10, 20572-20578.	1.7	3
40	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
41	Iridium Corroles Exhibit Weak Near-Infrared Phosphorescence but Efficiently Sensitize Singlet Oxygen Formation. Scientific Reports, 2020, 10, 7551.	1.6	22
42	Protonation-Induced Hyperporphyrin Spectra of meso-Aminophenylcorroles. ACS Omega, 2020, 5, 9023-9030.	1.6	9
43	Foreground modelling via Gaussian process regression: an application to HERA data. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2813-2826.	1.6	19
44	Free-base porphyrins with localized NH protons. Can substituents alone stabilize the elusive cis tautomer?. Organic and Biomolecular Chemistry, 2020, 18, 2861-2865.	1.5	6
45	Infrared Spectroelectrochemistry of Iron-Nitrosyl Triarylcorroles. Implications for Ligand Noninnocence. Inorganic Chemistry, 2020, 59, 3232-3238.	1.9	12
46	Molecular Structure of Copper and Î¼-Oxodiiron Octafluorocorrole Derivatives: Insights into Ligand Noninnocence. ACS Omega, 2020, 5, 10176-10182.	1.6	7
47	Amphiphilic Rhenium-Oxo Corroles as a New Class of Sensitizers for Photodynamic Therapy. ACS Omega, 2020, 5, 10596-10601.	1.6	21
48	Facile Supramolecular Engineering of Porphyrin cis Tautomers: The Case of Î²-Octabromo-meso-tetraarylporphyrins. ACS Omega, 2020, 5, 8893-8901.	1.6	6
49	Electrophilic Activation of Osmium-Nitrido Corroles: The OsN Triple Bond as a Ï€-Acceptor Metallaligand in a Heterobimetallic Os^{VI}Nâ€“Pt^{II} Complex. Inorganic Chemistry, 2020, 59, 5276-5280.	1.9	12
50	Rhenium-Imido Corroles. Inorganic Chemistry, 2020, 59, 6382-6389.	1.9	13
51	Robust statistical inference based on the C-divergence family. Annals of the Institute of Statistical Mathematics, 2019, 71, 1289-1322.	0.5	4
52	Unexpected Molecular Structure of a Putative Rheniumâ€Dioxoâ€Benzocarbaporphyrin Complex. Implications for the Highest Transition Metal Valence in a Porphyrinâ€Type Ligand Environment. ChemistryOpen, 2019, 8, 1298-1302.	0.9	9
53	Robust and efficient estimation in the parametric proportional hazards model under random censoring. Statistics in Medicine, 2019, 38, 5283-5299.	0.8	4
54	Iron(II) Corrole Anions. Inorganic Chemistry, 2019, 58, 15225-15235.	1.9	12

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55	Universal City-size distributions through rank ordering. Physica A: Statistical Mechanics and Its Applications, 2019, 528, 121094.	1.2	10
56	Seven Clues to Ligand Noninnocence: The Metallocorrole Paradigm. Accounts of Chemical Research, 2019, 52, 2003-2014.	7.6	71
57	Theoretical Search for the Highest Valence States of the Coinage Metals: Roentgenium Heptafluoride May Exist. Inorganic Chemistry, 2019, 58, 8735-8738.	1.9	4
58	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
59	Stereochemistry of Transition-Metal Dinitrosyl Complexes. A Molecular Orbital Rationale for the Attracto and Repulso Conformations. Inorganic Chemistry, 2019, 58, 5943-5948.	1.9	4
60	Norcorrole as a Delocalized, Antiaromatic System. Scientific Reports, 2019, 9, 4852.	1.6	24
61	Rapid one-pot synthesis of pyrrole-appended isocorroles. Organic and Biomolecular Chemistry, 2019, 17, 3159-3166.	1.5	6
62	Main-Group-Element Isophlorin Complexes Revisited: The Question of a Subvalent Central Atom. Inorganic Chemistry, 2019, 58, 4634-4640.	1.9	7
63	Azulicorrole. ACS Omega, 2019, 4, 6737-6745.	1.6	18
64	Relativistic Effects on a Metalâ€“Metal Bond: Osmium Corrole Dimers. Inorganic Chemistry, 2019, 58, 2798-2806.	1.9	14
65	Ambient-temperature near-IR phosphorescence and potential applications of rhenium-oxo corroles. Photochemical and Photobiological Sciences, 2019, 18, 1166-1170.	1.6	26
66	Power and level robustness of a test for composite hypotheses under independent non-homogeneous data. Statistics and Probability Letters, 2019, 148, 35-42.	0.4	0
67	Ligand Noninnocence in Cobalt Dipyrrinâ€“Bisphenols: Spectroscopic, Electrochemical, and Theoretical Insights Indicating an Emerging Analogy with Corroles. Inorganic Chemistry, 2019, 58, 7677-7689.	1.9	19
68	Tetrahedral Pegs in Square Holes: Stereochemistry of Diboron Porphyrazines and Phthalocyanines. Angewandte Chemie, 2019, 131, 3089-3093.	1.6	2
69	Tetrahedral Pegs in Square Holes: Stereochemistry of Diboron Porphyrazines and Phthalocyanines. Angewandte Chemie - International Edition, 2019, 58, 3057-3061.	7.2	8
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73	Halterman Corroles and Their Use as a Probe of the Conformational Dynamics of the Inherently Chiral Copper Corrole Chromophore. Inorganic Chemistry, 2018, 57, 4270-4276.	1.9	13
74	Non-concave penalization in linear mixed-effect models and regularized selection of fixed effects. AStA Advances in Statistical Analysis, 2018, 102, 179-210.	0.4	10
75	Consumption of Fruitflow^{Â®} lowers blood pressure in pre-hypertensive males: a randomised, placebo controlled, double blind, cross-over study. International Journal of Food Sciences and Nutrition, 2018, 69, 494-502.	1.3	22
76	Improvements in the small sample efficiency of the minimum S-divergence estimators under discrete models. Journal of Statistical Computation and Simulation, 2018, 88, 511-532.	0.7	0
77	Local versus global aromaticity in azuliporphyrin and benziporphyrin derivatives. Organic and Biomolecular Chemistry, 2018, 16, 7964-7970.	1.5	15
78	Magnetic Diversity in Heteroisocorroles: Aromatic Pathways in 10-Heteroatom-Substituted Isocorroles. ACS Omega, 2018, 3, 15865-15869.	1.6	15
79	Rare and Nonexistent Nitrosyls: Periodic Trends and Relativistic Effects in Ruthenium and Osmium Porphyrin-Based {MNO}⁷ Complexes. ACS Omega, 2018, 3, 10513-10516.	1.6	10
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81	A Generalized Relative (Î±, Î²)-Entropy: Geometric Properties and Applications to Robust Statistical Inference. Entropy, 2018, 20, 347.	1.1	6
82	Molecular Structure of a Free-Base Î²-Octaiodo-meso-tetraarylporphyrin. A Rational Route to cis Porphyrin Tautomers?. Crystal Growth and Design, 2018, 18, 4257-4259.	1.4	16
83	A New Class of Robust Two-Sample Wald-Type Tests. International Journal of Biostatistics, 2018, 14, .	0.4	5
84	Synthesis and Molecular Structure of a Copper Octaiodocorrole. ACS Omega, 2018, 3, 5106-5110.	1.6	11
85	Stable Platinum(IV) Corroles: Synthesis, Molecular Structure, and Room-Temperature Near-IR Phosphorescence. ACS Omega, 2018, 3, 9360-9368.	1.6	28
86	Isocorroles as Homoaromatic NIR-Absorbing Chromophores: A First Quantum Chemical Study. Scientific Reports, 2018, 8, 11952.	1.6	17
87	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
88	Molecular structure of gold 2,3,7,8,12,13,17,18-octabromo-5,10,15-tris(4â€²-pentafluorosulfanylphenyl)corrole: Potential insights into the insolubility of gold octabromocorroles. Journal of Porphyrins and Phthalocyanines, 2018, 22, 596-601.	0.4	14
89	Robust Bounded Influence Tests for Independent Non-Homogeneous Observations. Statistica Sinica, 2018, , .	0.2	4
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94	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
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96	A generalized divergence for statistical inference. Bernoulli, 2017, 23, .	0.7	17
97	Stabilization and Structure of the cisâ€...Tautomer of a Freeâ€Base Porphyrin. Angewandte Chemie, 2017, 129, 10222-10226.	1.6	10
98	Metallocorroles as inherently chiral chromophores: resolution and electronic circular dichroism spectroscopy of a tungsten biscorrole. Chemical Communications, 2017, 53, 6121-6124.	2.2	14
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100	Î²â€Octabromoâ€•and Î²â€Octakis(trifluoromethyl)isocorroles: New Sterically Constrained Macrocyclic Ligands. ChemistryOpen, 2017, 6, 402-409.	0.9	13
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103	Frontispiz: Stabilization and Structure of the cisâ€...Tautomer of a Freeâ€Base Porphyrin. Angewandte Chemie, 2017, 129, .	1.6	0
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105	Frontispiece: Stabilization and Structure of the cisâ€...Tautomer of a Freeâ€Base Porphyrin. Angewandte Chemie - International Edition, 2017, 56, .	7.2	0
106	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
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109	Divergence based robust estimation of the tail index through an exponential regression model. Statistical Methods and Applications, 2017, 26, 181-213.	0.7	14
110	The angular power spectrum measurement of the Galactic synchrotron emission in two fields of the TGSS survey. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 470, L11-L15.	1.2	18
111	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
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118	Tungsten Biscorroles: New Chiral Sandwich Compounds. Chemistry - A European Journal, 2016, 22, 6914-6920.	1.7	26
119	Metalâ€“Ligand Misfits: Facile Access to Rheniumâ€“Oxo Corroles by Oxidative Metalation. Chemistry - A European Journal, 2016, 22, 517-520.	1.7	62
120	Wolves in Sheep's Clothing: Î¼â€Oxoâ€Diiron Corroles Revisited. Chemistry - A European Journal, 2016, 22, 10336-10340.	1.7	21
121	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
122	The logarithmic super divergence and asymptotic inference properties. AStA Advances in Statistical Analysis, 2016, 100, 99-131.	0.4	7
123	Demetalation of copper undecaarylcorroles: Molecular structures of a free-base undecaarylisocorrole and a gold undecaarylcorrole. Journal of Inorganic Biochemistry, 2016, 162, 146-153.	1.5	17
124	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
125	Metallocorrole Interactions with Carbon Monoxide, Nitric Oxide, and Nitroxylâ€”A DFT Study of Low-Energy Bound States. Inorganic Chemistry, 2016, 55, 8248-8250.	1.9	8
126	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

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151	Improved syntheses of Î²-octabromo-meso-triarylcorrole derivatives. Journal of Inorganic Biochemistry, 2015, 153, 162-166.	1.5	10
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