Natalia Fridman

List of Publications by Year
in descending order

45	785	516710 16	580821 25
papers	citations	h-index	g-index

46	46	46	641
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Introduction: Expanded, Contracted, and Isomeric Porphyrins. Chemical Reviews, 2017, 117, 2201-2202.	47.7	54
2	Water Oxidation Catalysis by Mono- and Binuclear Iron Corroles. ACS Catalysis, 2020, 10, 3764-3772.	11.2	49
3	Phosphorus corrole complexes: from property tuning to applications in photocatalysis and tripletâ€“triplet annihilation upconversion. Chemical Science, 2019, 10, 7091-7103.	7.4	48
4	Reactive Intermediates Involved in Cobalt Corrole Catalyzed Water Oxidation (and Oxygen Reduction). Inorganic Chemistry, 2018, 57, 478-485.	4.0	44
5	Elucidation of Factors That Govern the 2e^{â€“}/2H⁺ vs 4e^{â€“}/4H⁺ Selectivity of Water Oxidation by a Cobalt Corrole. Journal of the American Chemical Society, 2020, 142, 21040-21049.	13.7	44
6	Effect of Selective CF₃ Substitution on the Physical and Chemical Properties of Gold Corroles. Angewandte Chemie - International Edition, 2017, 56, 9837-9841.	13.8	32
7	One-Pot Conversion of Fluorophores to Phosphorophores. Organic Letters, 2016, 18, 5840-5843.	4.6	31
8	Oneâ€Pot Synthesis of Contracted and Expanded Porphyrins with mesoâ€CF₃ Groups. Angewandte Chemie - International Edition, 2018, 57, 1006-1010.	13.8	29
9	Copper Complexes of CF₃-Substituted Corroles for Affecting Redox Potentials and Electrocatalysis. ACS Applied Energy Materials, 2020, 3, 2828-2836.	5.1	29
10	Hydrogen Evolution Catalyzed by Corrole-Chelated Nickel Complexes, Characterized in all Catalysis-Relevant Oxidation States. ACS Catalysis, 2022, 12, 4310-4317.	11.2	29
11	Trifluoromethylation for affecting the structural, electronic and redox properties of cobalt corroles. Dalton Transactions, 2019, 48, 4798-4810.	3.3	28
12	Positive shift in corrole redox potentials leveraged by modest Î²-CF3-substitution helps achieve efficient photocatalytic Câ€“H bond functionalization by group 13 complexes. Dalton Transactions, 2019, 48, 12279-12286.	3.3	24
13	Corroles and corrole/transferrin nanoconjugates as candidates for sonodynamic therapy. Chemical Communications, 2019, 55, 12789-12792.	4.1	23
14	Photophysical Heavy-Atom Effect in Iodinated Metallocorroles: Spinâ€“Orbit Coupling and Density of States. Journal of Physical Chemistry A, 2018, 122, 7256-7266.	2.5	22
15	Fluorinated boron subphthalocyanines: Lewis acid based templating chemistry facilitates random halide exchange, and fluoride versus chloride affects the basic photophysical properties and the solid-state arrangement. New Journal of Chemistry, 2019, 43, 16730-16737.	2.8	19
16	Axial/Peripheral Chloride/Fluoride-Substituted Boron Subphthalocyanines as Electron Acceptors. Inorganic Chemistry, 2020, 59, 2641-2645.	4.0	19
17	Superstructured metallocorroles for electrochemical CO₂reduction. Chemical Communications, 2019, 55, 11912-11915.	4.1	16
18	Trifluoromethyl Hydrolysis En Route to Corroles with Increased Druglikeness. Angewandte Chemie - International Edition, 2021, 60, 12829-12834.	13.8	16

#	Article	IF	Citations
19	Tuning Chemical and Physical Properties of Phosphorus Corroles for Advanced Applications. Chemistry - A European Journal, 2019, 25, 11383-11388.	3.3	15
20	Controllable and stable organometallic redox mediators for lithium oxygen batteries. Materials Horizons, 2020, 7, 214-222.	12.2	15
21	Palladium Complexes of Corroles and Sapphyrins. Chemistry - A European Journal, 2020, 26, 9481-9485.	3.3	15
22	Enhanced Synthetic Access to Tris-CF₃-Substituted Corroles. Organic Letters, 2020, 22, 3119-3122.	4.6	15
23	Oneâ€Pot Synthesis of Contracted and Expanded Porphyrins with mesoâ€CF₃ Groups. Angewandte Chemie, 2018, 130, 1018-1022.	2.0	14
24	Hydrogen evolution catalysis by terminal molybdenum-oxo complexes. IScience, 2021, 24, 102924.	4.1	14
25	The Planar Cyclooctatetraene Bridge in Bis-Metallic Macrocycles: Isolating or Conjugating?. Inorganic Chemistry, 2017, 56, 2287-2296.	4.0	13
26	Rhodium Complexes of a Newâ€Generation Sapphyrin: Unique Structures, Axial Chirality, and Catalysis. Chemistry - A European Journal, 2018, 24, 17255-17261.	3.3	13
27	Minding our P-block and Q-bands: paving inroads into main group corrole research to help instil broader potential. Chemical Communications, 2021, 57, 4605-4641.	4.1	13
28	Clean Ar-Me conversion to Ar-aldehyde with the aid of carefully designed metallocor role photocatalysts. Photochemical and Photobiological Sciences, 2020, 19, 996-1000.	2.9	12
29	Corroles: The Hitherto Elusive Parent Macrocycle and its Metal Complexes. Angewandte Chemie - International Edition, 2021, 60, 25097-25103.	13.8	12
30	Doubly Stimulated Corrole for Organelle-Selective Antitumor Cytotoxicity. Journal of Medicinal Chemistry, 2022, 65, 6100-6115.	6.4	10
31	â€œHeteroâ€Multifunctionalizationâ€•of Gallium Corroles: Facile Synthesis, Phosphorescence, Redox Tuning, and Photooxidative Catalytic Improvement. ChemPlusChem, 2020, 85, 163-168.	2.8	9
32	Iodinated cobalt corroles. Journal of Porphyrins and Phthalocyanines, 2017, 21, 900-907.	0.8	8
33	Dimeric Corrole Analogs of Chlorophyll Special Pairs. Journal of the American Chemical Society, 2021, 143, 9450-9460.	13.7	8
34	Effect of Selective CF 3 Substitution on the Physical and Chemical Properties of Gold Corroles. Angewandte Chemie, 2017, 129, 9969-9973.	2.0	7
35	Rhenium(<scp>i</scp>) sapphyrins: remarkable difference between the C₆F₅ and CF₃-substituted derivatives. Chemical Communications, 2020, 56, 980-983.	4.1	7
36	Penta -hexa coordination behaviour of ABA-P(V) corrole. Journal of Molecular Structure, 2021, 1243, 130857.	3.6	7

#	Article	IF	Citations
37	Trifluoromethyl Hydrolysis En Route to Corroles with Increased Druglikeness. Angewandte Chemie, 2021, 133, 12939-12944.	2.0	6
38	Synthesis, structural characterization and binding ability of A2B cobalt(III) corroles with pyridine. Inorganica Chimica Acta, 2021, 527, 120580.	2.4	4
39	Orthogonal Design of Feâ^'N₄ Active Sites and Hierarchical Porosity in Hydrazine Oxidation Electrocatalysts. ChemElectroChem, 2022, 9, .	3.4	4
40	Î²-Bis-CF₃-substituted phosphorus corroles, theory and experiments. Inorganic Chemistry Frontiers, 2022, 9, 3319-3329.	6.0	3
41	Selfâ€Assembly of Simple Corroles, via Hydrogen Bonding and Coordination. European Journal of Organic Chemistry, 2020, 2020, 3142-3146.	2.4	2
42	Custom Tokenization Dictionary, CUSTODI: A General, Fast, and Reversible Data-Driven Representation and Regressor. Journal of Chemical Information and Modeling, 2021, 61, 3285-3291.	5.4	2
43	Corroles: The Hitherto Elusive Parent Macrocycle and its Metal Complexes. Angewandte Chemie, 0, , .	2.0	1
44	Rhodium Complexes of a New-Generation Sapphyrin: Unique Structures, Axial Chirality, and Catalysis. Chemistry - A European Journal, 2018, 24, 17163-17163.	3.3	0
45	A chromophore-supported structural and functional model of dinuclear copper enzymes, for facilitating mechanism of action studies. Chemical Science, 2021, 12, 12445-12450.	7.4	0