

Coordination-Induced Spin Crossover (CISCO) through Pyridines to Nickel-Porphyrins: Donor versus

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis and Reactivity of a Transition Metal Complex Containing Exclusively TEMPO Ligands: Ni(η^2 -TEMPO) $_2$. <i>Inorganic Chemistry</i> , 2011, 50, 5864-5866.	1.9	31
2	Spinschaltung und intelligente Kontrastmittel in der MRT. <i>Nachrichten Aus Der Chemie</i> , 2011, 59, 817-821.	0.0	9
3	Magnetic Bistability of Molecules in Homogeneous Solution at Room Temperature. <i>Science</i> , 2011, 331, 445-448.	6.0	489
4	Light-Induced Spin Change by Photodissociable External Ligands: A New Principle for Magnetic Switching of Molecules. <i>Journal of the American Chemical Society</i> , 2011, 133, 16243-16250.	6.6	141
5	5-Chloro-2-(phenyldiazenyl)pyridine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3298-o3298.	0.2	2
6	Bis(4-methoxypyridin-3-yl)diazene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1568-o1568.	0.2	0
7	Photoswitchable Azoheterocycles via Coupling of Lithiated Imidazoles with Benzenediazonium Salts. <i>Journal of Organic Chemistry</i> , 2012, 77, 3284-3287.	1.7	91
8	Light-Driven Coordination-Induced Spin-State Switching: Rational Design of Photodissociable Ligands. <i>Chemistry - A European Journal</i> , 2012, 18, 16358-16368.	1.7	74
9	Electronic Ground-State and Orbital Ordering of Iron Phthalocyanine on H/Si(111) Unraveled by Spatially Resolved Tunneling Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 20882-20886.	1.5	24
10	Vibrational Spectroscopy of Mono- and Polynuclear Spin-Crossover Systems. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2635-2648.	1.0	50
11	Ni(II) dipyrin complexes bearing peripheral pyridyl or imidazolyl groups self-assemble into 2- and 3-D coordination polymers. <i>CrystEngComm</i> , 2013, 15, 5980.	1.3	15
12	Supramolecular Attachment of Metalloporphyrins to Graphene Oxide and its Pyridine-Containing Derivative. <i>Chemistry - A European Journal</i> , 2013, 19, 10463-10467.	1.7	7
13	Spin Crossover – Quo Vadis?. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 581-591.	1.0	151
17	Tuning of the Properties of Transition-Metal Bispidine Complexes by Variation of the Basicity of the Aromatic Donor Groups. <i>Inorganic Chemistry</i> , 2013, 52, 6481-6501.	1.9	52
18	Ammonia Coordination Introducing a Magnetic Moment in an On-Surface Low-Spin Porphyrin. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4568-4571.	7.2	76
19	Ligand Coordination and Spin Crossover in a Nickel Porphyrin Anchored to Mesoporous TiO $_2$ Thin Films. <i>Inorganic Chemistry</i> , 2013, 52, 9574-9582.	1.9	11
20	Spin state switching in iron coordination compounds. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 342-391.	1.3	623
22	Rational design of a room temperature molecular spin switch. The light-driven coordination induced spin state switch (LD-CISSS) approach. <i>Dalton Transactions</i> , 2014, 43, 17395-17405.	1.6	66

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23	Reverse Spin-Crossover and High-Pressure Kinetics of the Heme-Iron Center Relevant for the Operation of Heme-Proteins under Deep-Sea Conditions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11452-11457.	7.2	19
25	Kinetics of reaction between nickel porphyrinates and dicumene peroxide. <i>Russian Journal of General Chemistry</i> , 2014, 84, 2429-2435.	0.3	2
26	Coordination-Induced Spin-State-Switch (CISS) in water. <i>Chemical Communications</i> , 2014, 50, 12476-12478.	2.2	48
27	Human Annexins A1, A2, and A8 as Potential Molecular Targets for Ni(II) Ions. <i>Chemical Research in Toxicology</i> , 2014, 27, 1996-2009.	1.7	15
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30	Magnetogenesis in Water Induced by a Chemical Analyte. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 60-73.	7.2	39
31	Modulation of Axial-Ligand Binding and Releasing Processes onto the Triazole-Bearing Nickel(II) Picket-Fence Porphyrins: Steric Repulsion versus Hydrogen-Bonding Effects. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7053-7061.	1.2	15
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35	Coordination-Induced Spin-State Switching with Nickel Chlorin and Nickel Isobacteriochlorin. <i>Inorganic Chemistry</i> , 2015, 54, 9390-9392.	1.9	43
36	Synthesis of Functionalized Perfluorinated Porphyrins for Improved Spin Switching. <i>Journal of Organic Chemistry</i> , 2015, 80, 8496-8500.	1.7	26
37	Singly versus Doubly Reduced Nickel Porphyrins for Proton Reduction: Experimental and Theoretical Evidence for a Homolytic Hydrogen-Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5457-5462.	7.2	148
38	Singly versus Doubly Reduced Nickel Porphyrins for Proton Reduction: Experimental and Theoretical Evidence for a Homolytic Hydrogen-Evolution Reaction. <i>Angewandte Chemie</i> , 2016, 128, 5547-5552.	1.6	30
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40	How to Switch Spin-Crossover Metal Complexes at Constant Room Temperature. <i>Chemistry - A European Journal</i> , 2016, 22, 15178-15191.	1.7	111
41	Tuning the electrical conductance of metalloporphyrin supramolecular wires. <i>Scientific Reports</i> , 2016, 6, 37352.	1.6	27
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44	Design and Synthesis of Photodissociable Ligands Based on Azoimidazoles for Light-Driven Coordination-Induced Spin State Switching in Homogeneous Solution. Journal of Organic Chemistry, 2016, 81, 1206-1215.	1.7	38
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50	Deprotonated meso-hydroxyporphyrin as a stable $\dot{\text{O}}$ -electronic anion: the building unit of an ion-pairing assembly. Dalton Transactions, 2017, 46, 8924-8928.	1.6	20
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62	Coordination-Induced Spin-State Switching of an Aminyl-Radical-Bridged Nickel(II) Porphyrin Dimer between Doublet and Sextet States. <i>Angewandte Chemie</i> , 2019, 131, 5077-5081.	1.6	10
63	Coordination-Induced Spin-State Switching of an Aminyl-Radical-Bridged Nickel(II) Porphyrin Dimer between Doublet and Sextet States. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5023-5027.	7.2	22
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69	Synthesis of 4-substituted azopyridine-functionalized Ni(II)-porphyrins as molecular spin switches. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2589-2597.	1.3	4
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78	Molecular Sensors Operating by a Spin-State Change in Solution: Application to Magnetic Resonance Imaging. <i>Analysis & Sensing</i> , 2021, 1, 11-29.	1.1	10

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86	Influence of Ring Contraction on the Electronic Structure of Nickel Tetrapyrrole Complexes: Corrole vs Porphyrin. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 061005.	0.9	10
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88	Crystal structure of (15,20-bis(2,3,4,5,6-pentafluorophenyl)-5,10-((pyridine-3,5-diyl)bis((sulfanediylmethylene)[1,1'-biphenyl]-4,4'-diyl))porphyrinate) dichloromethane \times solvate (\times > 1/2) showing a rare CN5 coordination. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1180-1184.	0.2	1
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102	Square-planar and octahedral nickel complexes of an acylhydrazone ligand and the serendipitous isolation of a potential octahedral nickel acylhydrazone precursor. <i>CrystEngComm</i> , 2023, 25, 2463-2472.	1.3	5