

David Schilter

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33 papers	1,243 citations	16 h-index	35 g-index
89 ext. papers	1,407 ext. citations	27.1 avg, IF	4.88 L-index

#	Paper	IF	Citations
33	Hydrogenase Enzymes and Their Synthetic Models: The Role of Metal Hydrides. <i>Chemical Reviews</i> , 2016 , 116, 8693-749	68.1	366
32	N,N'-Diamidocarbenes: Isolable Divalent Carbons with Bona Fide Carbene Reactivity. <i>Accounts of Chemical Research</i> , 2016 , 49, 1458-68	24.3	83
31	Dinuclear bis-beta-diketonato ligand derivatives of iron(III) and copper(II) and use of the latter as components for the assembly of extended metallo-supramolecular structures. <i>Dalton Transactions</i> , 2005 , 857-64	4.3	78
30	Hydride bridge in [NiFe]-hydrogenase observed by nuclear resonance vibrational spectroscopy. <i>Nature Communications</i> , 2015 , 6, 7890	17.4	73
29	Multicopper models for the laccase active site: effect of nuclearity on electrocatalytic oxygen reduction. <i>Inorganic Chemistry</i> , 2014 , 53, 8505-16	5.1	70
28	Extended three-dimensional supramolecular architectures derived from trinuclear (bis-beta-diketonato)copper(II) metallocycles. <i>Dalton Transactions</i> , 2006 , 3114-21	4.3	66
27	Self-assembled Metallo-supramolecular Systems Incorporating β -Diketone Motifs as Structural Elements. <i>Advances in Inorganic Chemistry</i> , 2006 , 59, 1-37	2.1	64
26	New discrete and polymeric supramolecular architectures derived from dinuclear (bis-beta-diketonato)copper(II) metallocycles. <i>Dalton Transactions</i> , 2006 , 3977-84	4.3	61
25	Mixed-valence nickel-iron dithiolate models of the [NiFe]-hydrogenase active site. <i>Inorganic Chemistry</i> , 2012 , 51, 2338-48	5.1	60
24	Connecting [NiFe]- and [FeFe]-hydrogenases: mixed-valence nickel-iron dithiolates with rotated structures. <i>Inorganic Chemistry</i> , 2012 , 51, 8931-41	5.1	36
23	Ferrous Carbonyl Dithiolates as Precursors to FeFe, FeCo, and FeMn Carbonyl Dithiolates. <i>Organometallics</i> , 2014 , 33, 858-867	3.8	32
22	And the winner is...azadithiolate: an amine proton relay in the [FeFe] hydrogenases. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13518-20	16.4	31
21	Protonation of nickel-iron hydrogenase models proceeds after isomerization at nickel. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12385-95	16.4	25
20	Birch-Type Hydrogenation of Few-Layer Graphenes: Products and Mechanistic Implications. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14980-14986	16.4	23
19	Graphene in the making. <i>Nature Nanotechnology</i> , 2019 , 14, 914-918	28.7	21
18	Sodide and Organic Halides Effect Covalent Functionalization of Single-Layer and Bilayer Graphene. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4202-4210	16.4	18
17	N-Substituted Derivatives of the Azadithiolate Cofactor from the [FeFe] Hydrogenases: Stability and Complexation. <i>Inorganic Chemistry</i> , 2015 , 54, 5717-24	5.1	14

16	Synthesis and vibrational spectroscopy of (57)Fe-labeled models of [NiFe] hydrogenase: first direct observation of a nickel-iron interaction. <i>Chemical Communications</i> , 2014 , 50, 13469-72	5.8	12
15	Nickel-Molybdenum and Nickel-Tungsten Dithiolates: Hybrid Models for Hydrogenases and Hydrodesulfurization. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 4638-4642	2.3	11
14	Platinum(II) and palladium(II) metallomacrocycles derived from cationic 4,4'-bipyridinium, 3-aminopyrazinium and 2-aminopyrimidinium ligands. <i>Dalton Transactions</i> , 2010 , 239-47	4.3	9
13	Nickel-iron dithiolates related to the deactivated [NiFe]-hydrogenases. <i>Dalton Transactions</i> , 2012 , 41, 13324-9	4.3	8
12	ESI-MS and thermal melting studies of nanoscale platinum(II) metallomacrocycles with DNA. <i>Dalton Transactions</i> , 2010 , 39, 11263-71	4.3	8
11	Und der Gewinner ist β -Azadithiolat – ein Amin-Protonenrelais in [FeFe]-Hydrogenasen. <i>Angewandte Chemie</i> , 2013 , 125, 13760-13762	3.6	7
10	Synthesis of a 2,2-Dichloroimidazolidine-4,5-dione and its Application in a Chlorodehydroxylation. <i>Organic Syntheses</i> , 93 , 413-421	1.2	5
9	Synthetic Models for Nickel-Iron Hydrogenase Featuring Redox-Active Ligands. <i>Australian Journal of Chemistry</i> , 2017 , 70, 505-515	1.2	3
8	Nickel-Iron Hydrogenases: High-Resolution Crystallography Resolves the Hydride, but Not the Debate. <i>ChemBioChem</i> , 2015 , 16, 1712-4	3.8	3
7	[4-(Dimethylamino)pyridine- π]bis(pentane-2,4-dionato- π O,O')copper(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006 , 62, m1142-m1143		3
6	SYNTHESIS OF SELECTED TRANSITION METAL AND MAIN GROUP COMPOUNDS WITH SYNTHETIC APPLICATIONS. <i>Inorganic Syntheses</i> , 2018 , 155-204		1
5	Scalar coupling scales with bonding. <i>Nature Reviews Chemistry</i> , 2021 , 5, 598-598	34.6	0
4	(Ethane-1,2-diamine)dinitratopalladium(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, m1940-m1942		
3	Synthesis of a 2,2-Dichloroimidazolidine-4,5-dione and its Application in a Chlorodehydroxylation413-421		
2	Physical methods for mechanistic understanding: general discussion. <i>Faraday Discussions</i> , 2019 , 220, 144-178	3.6	
1	Volatile molecule chooses to cooperate. <i>Nature Reviews Chemistry</i> , 2021 , 5, 143-143	34.6	