

Ulrich Fekl

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	HOMOGENEOUS HYDROCARBON C-H BOND ACTIVATION AND FUNCTIONALIZATION WITH PLATINUM. <i>Advances in Inorganic Chemistry</i> , 2003, 54, 259-320.	1.0	174
2	A Stable Five-Coordinate Platinum(IV) Alkyl Complex. <i>Journal of the American Chemical Society</i> , 2001, 123, 6423-6424.	13.7	136
3	Five-Coordinate Platinum(IV) Complex as a Precursor to a Novel Pt(II) Olefin Hydride Complex for Alkane Activation. <i>Journal of the American Chemical Society</i> , 2002, 124, 6804-6805.	13.7	116
4	η^2 -Diimine Platinum Complexes for Alkane Dehydrogenation. <i>Journal of the American Chemical Society</i> , 2003, 125, 15286-15287.	13.7	97
5	New Insight into Reactions of Ni(S ₂ C ₂ (CF ₃) ₂) ₂ with Simple Alkenes: η^2 Alkene Adduct versus Dihydrodithiine Product Selectivity Is Controlled by [Ni(S ₂ C ₂ (CF ₃) ₂) ₂] ⁻ Anion. <i>Journal of the American Chemical Society</i> , 2006, 128, 11026-11027.	13.7	79
6	Detailed Mechanistic Information on Methane Elimination from a Methyl(hydrido)platinum(IV) Complex. Relevance for the Mechanism of Methane Activation. <i>Organometallics</i> , 1999, 18, 4156-4164.	2.3	64
7	Metal-Ligand Cooperativity in O ₂ Activation: Observation of a η^2 -Pt ^{IV} -O ²⁻ -O ²⁻ -C ²⁻ -Peroxo Intermediate. <i>Organometallics</i> , 2010, 29, 4749-4751.	2.3	54
8	Effects of Trifluoromethyl Substituents in a Tris(pyrazolyl)borate Ligand: A Structural and Spectroscopic Study of Analogous Platinum(IV) Trimethyl Complexes. <i>Organometallics</i> , 2000, 19, 3535-3542.	2.3	48
9	Push-Pull Molybdenum Tris(dithiolenes) Allow Rapid Nonconventional Binding of Ethylene at Ligand Sulfur Atoms. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7644-7647.	13.8	43
10	The Mechanism of Alkene Addition to a Nickel Bis(dithiolene) Complex: The Role of the Reduced Metal Complex. <i>Journal of the American Chemical Society</i> , 2012, 134, 4481-4484.	13.7	41
11	Apparent Anti-Woodward-Hoffmann Addition to a Nickel Bis(dithiolene) Complex: The Reaction Mechanism Involves Reduced, Dimetallic Intermediates. <i>Inorganic Chemistry</i> , 2013, 52, 3711-3723.	4.0	28
12	9,10-Dihydroplatinanaphthalenes with Aromatic Diimine Ligands: Syntheses and Spectroscopic and Computational Studies of New Luminescent Materials. <i>Organometallics</i> , 2008, 27, 1765-1779.	2.3	22
13	Ligand-Based Reactivity of a Platinum Bis(dithiolene): Double Diene Addition Yields a New η^2 -Chiral Chelate Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 9043-9045.	4.0	22
14	Neutral High-Potential Nickel Triad Bis(dithiolenes): A Structure and Solid-State NMR Properties of Pt[S ₂ C ₂ (CF ₃) ₂] ₂ . <i>Inorganic Chemistry</i> , 2006, 45, 8850-8852.	4.0	20
15	Catalytic production of sulfur heterocycles (dihydrobenzodithiins): a new application of ligand-based alkene reactivity. <i>Chemical Communications</i> , 2009, , 7572.	4.1	20
16	Impact of Reduction on the Properties of Metal Bis(dithiolenes): Multinuclear Solid-State NMR and Structural Studies on Pt(tfd) ₂ and Its Reduced Forms. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3298-3313.	2.6	14
17	Organization of Astaxanthin within Oil Bodies of <i>Haematococcus pluvialis</i> Studied with Polarization-Dependent Harmonic Generation Microscopy. <i>PLoS ONE</i> , 2014, 9, e107804.	2.5	13
18	Molybdenum Dithiolene Complexes as Structural Models for the Active Sites of Molybdenum(IV) Sulfide Hydrodesulfurization Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 3577-3585.	2.0	11

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19	Tuning of the Spin Distribution between Ligand- and Metal-Based Spin: Electron Paramagnetic Resonance of Mixed-Ligand Molybdenum Tris(dithiolene) Complex Anions. <i>Inorganic Chemistry</i> , 2011, 50, 8685-8687.	4.0	11
20	Adamantyl metal complexes: new routes to adamantyl anions and new transmetallations. <i>Dalton Transactions</i> , 2017, 46, 6212-6217.	3.3	11
21	Characterization and application studies of ProxPhos, a chemosensor for the detection of proximally phosphorylated peptides and proteins in aqueous solutions. <i>Analyst</i> , 2017, 142, 2451-2459.	3.5	9
22	The first palladium(IV) aryldiazenido complex: relevance for C-C coupling. <i>Dalton Transactions</i> , 2017, 46, 4004-4008.	3.3	8
23	Rapid, Covalent Addition of Phosphine to Dithiolene in a Molybdenum Tris(dithiolene). A New Structural Model for Dimethyl Sulfoxide Reductase. <i>Inorganic Chemistry</i> , 2012, 51, 6446-6448.	4.0	6
24	The first aryldiazenido complex of platinum(IV): an NMR study on the addition of aryldiazonium to platinum(II). <i>Journal of Coordination Chemistry</i> , 2010, 63, 2928-2938.	2.2	5
25	Mechanisms of Reactions Related to Selective Alkane Oxidation by Pt Complexes. <i>ACS Symposium Series</i> , 2004, , 283-302.	0.5	4
26	Why Diorganyl Zinc Lewis Acidity Dramatically Increases with Narrowing Zn-C Bond Angle. <i>Inorganic Chemistry</i> , 2020, 59, 2621-2625.	4.0	4
27	Tetraphenylarsoniumbis[1,2-bis(trifluoromethyl)ethene-1,2-dithiolato]platinate(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m759-m760.	0.2	4
28	2-Adamantyl Complexes of Platinum. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1288-1291.	2.0	3
29	$\text{C}_2\text{-isomer of } [\text{Pd}(\text{tfd})_6][\text{tfd}]_2 \text{S}_2(\text{CF}_3)_2] \text{ as its benzene solvate: a new member of the small but growing class of homoleptic palladium(II) monodithiolenes in the form of hexameric cubes. } \text{Acta Crystallographica Section E: Crystallographic Communications}, 2017, 73, 957-962.$	0.5	3
30	Extremely Facile Transformations of Tris(3,5-dimethylpyrazolyl)borate: a Bidentate Nitrogen Ligand and a C ₂ -Chiral Cation. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3232-3235.	2.0	2
31	Coordination compounds containing bis-dithiolene-chelated molybdenum(IV) and oxalate: comparison of terminal with bridging oxalate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1202-1207.	0.5	1
32	A new structural model for NiFe hydrogenases: an unsaturated analogue of a classic hydrogenase model leads to more enzyme-like Ni-Fe distance and interplanar fold. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 1222-1226.	0.5	1
33	Platinum(IV) complexes of a bulky and exceptionally donating alkyl: 2-adamantyl. <i>Canadian Journal of Chemistry</i> , 2021, 99, 154-160.	1.1	1
34	Covalent d-Block Organometallics: Teaching Lewis Structures and sd^2p^2 Hybridization Gives Students Additional Explanations and Powerful Predictive Tools. <i>Journal of Chemical Education</i> , 2021, 98, 3189-3206.	2.3	1
35	Group IV-based selective C-H bond activation of a diamondoid: A density functional theory study. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26638.	2.0	0
36	A molybdenum tris(dithiolene) complex coordinates to three bound cobalt centers in three different ways. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1261-1264.	0.5	0

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37	An iridium complex with an unsupported Ir ^{III} Zn bond: diiodido(Î ⁵ -pentamethylcyclopentadienyl)bis(trimethylphosphane)iridiumzinc(<i>Ir</i> â€” <i>Zn</i>) benzene hemisolvate. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1824-1827.	0.5	0