

Pierre Kennepohl

List of Publications by Year in descending order

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61
papers

5,738
citations

201575

27
h-index

133188

59
g-index

74
all docs

74
docs citations

74
times ranked

8061
citing authors

#	ARTICLE	IF	CITATIONS
1	Nature of Sâ€“N Bonding in Sulfonamides and Related Compounds: Insights into ï€-Bonding Contributions from Sulfur K-Edge X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2021, 125, 615-620.	1.1	1
2	Reaction of 3-Cl/OMe-Substituted 5-Nitrobenzisothiazoles with Hydrazine: Structural and Computational Evidence for Rearrangement Pathways Implicating Intramolecular Formation of Pivotal Meisenheimer Complexes. <i>Journal of Organic Chemistry</i> , 2021, 86, 6381-6389.	1.7	0
3	Direct metalâ€“carbon bonding in symmetric bis(Câ€“H) agostic nickel(<sc>i</i>) complexes. <i>Chemical Science</i> , 2021, 12, 15298-15307.	3.7	5
4	Five Nitrogen Oxidation States from Nitro to Amine: Stabilization and Reactivity of a Metastable Arylhydroxylamine Complex. <i>Journal of the American Chemical Society</i> , 2020, 142, 19023-19028.	6.6	7
5	ï€ covalency in the halogen bond. <i>Nature Communications</i> , 2020, 11, 3310.	5.8	52
6	Regiocontrolled and Stereoselective Syntheses of Tetrahydrophthalazine Derivatives using Radical Cyclizations. <i>Chemistry - A European Journal</i> , 2019, 25, 976-980.	1.7	5
7	The Importance of Ligandâ€“Induced Backdonation in the Stabilization of Square Planar d¹⁰ Nickel ï€ Complexes. <i>Chemistry - A European Journal</i> , 2019, 25, 5259-5268.	1.7	25
8	Direct experimental evaluation of ligand-induced backbonding in nickel metallacyclic complexes. <i>Faraday Discussions</i> , 2019, 220, 133-143.	1.6	7
9	Physical methods for mechanistic understanding: general discussion. <i>Faraday Discussions</i> , 2019, 220, 144-178.	1.6	0
10	Mechanistic insight into organic and industrial transformations: general discussion. <i>Faraday Discussions</i> , 2019, 220, 282-316.	1.6	8
11	Anthracene as a Launchpad for a Phosphinidene Sulfide and for Generation of a Phosphorusâ€“Sulfur Material Having the Composition P₂S, a Vulcanized Red Phosphorus That Is Yellow. <i>Journal of the American Chemical Society</i> , 2019, 141, 431-440.	6.6	26
12	Disproportionation Reactions of an Organometallic Ni(I) Amidate Complex: Scope and Mechanistic Investigations. <i>Organometallics</i> , 2018, 37, 1392-1399.	1.1	30
13	Reacted copper(II) concentrations in amine amended micronized copper treated red pine and lodgepole pine. <i>European Journal of Wood and Wood Products</i> , 2018, 76, 337-343.	1.3	2
14	Identifying the missing link in catalystâ€“transfer polymerization. <i>Nature Communications</i> , 2018, 9, 3866.	5.8	23
15	The halogen bond in solution: general discussion. <i>Faraday Discussions</i> , 2017, 203, 347-370.	1.6	5
16	Computational approaches and sigma-hole interactions: general discussion. <i>Faraday Discussions</i> , 2017, 203, 131-163.	1.6	17
17	Beyond the halogen bond: general discussion. <i>Faraday Discussions</i> , 2017, 203, 227-244.	1.6	2
18	Solid-state chemistry and applications: general discussion. <i>Faraday Discussions</i> , 2017, 203, 459-483.	1.6	2

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19	Probing covalency in halogen bonds through donor K-edge X-ray absorption spectroscopy: polyhalides as coordination complexes. <i>Faraday Discussions</i> , 2017, 203, 79-91.	1.6	16
20	Spectroscopic detection of halogen bonding resolves dye regeneration in the dye-sensitized solar cell. <i>Nature Communications</i> , 2017, 8, 1761.	5.8	35
21	Reexamining Oxidation States during the Synthesis of 2-Rhodaoxetanes from Olefins. <i>Inorganic Chemistry</i> , 2016, 55, 13-15.	1.9	10
22	Interactions between major chlorogenic acid isomers and chemical changes in coffee brew that affect antioxidant activities. <i>Food Chemistry</i> , 2016, 213, 251-259.	4.2	75
23	Solubilisation and chemical fixation of copper(Cu^{2+}) in micronized copper treated wood. <i>Dalton Transactions</i> , 2016, 45, 3679-3686.	1.6	8
24	Even the normal is abnormal: N-heterocyclic carbene C^2 binding to a phosphalkene without breaking the $\text{P}=\text{C}$ bond. <i>Chemical Communications</i> , 2016, 52, 998-1001.	2.2	27
25	Electrophilic Activation of Oxidized Sulfur Ligands and Implications for the Biological Activity of Ruthenium(II) Arene Anticancer Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 11574-11580.	1.9	8
26	Pyridonate-Supported Titanium(III). Benzylamine as an Easy-To-Use Reductant. <i>Organometallics</i> , 2015, 34, 4941-4945.	1.1	10
27	Reacted copper(II) concentrations in earlywood and latewood of micronized copper-treated Canadian softwood species. <i>Holzforschung</i> , 2015, 69, 509-512.	0.9	10
28	Evidence for Halogen Bond Covalency in Acyclic and Interlocked Halogen-Bonding Receptor Anion Recognition. <i>Journal of the American Chemical Society</i> , 2015, 137, 499-507.	6.6	195
29	Rhoda-1,2 -diazacyclopentanes: A Series of Novel Metallacycle Complexes Derived From C_2N Functionalization of Ethylene. <i>Chemistry - A European Journal</i> , 2014, 20, 13345-13355.	1.7	5
30	Dioxygen adducts of rhodium N-heterocyclic carbene complexes. <i>Dalton Transactions</i> , 2013, 42, 7414.	1.6	13
31	Quantification of mobilized copper(II) levels in micronized copper-treated wood by electron paramagnetic resonance (EPR) spectroscopy. <i>Holzforschung</i> , 2013, 67, 815-823.	0.9	7
32	Investigation of copper solubilization and reaction in micronized copper treated wood by electron paramagnetic resonance (EPR) spectroscopy. <i>Holzforschung</i> , 2012, 66, 889-895.	0.9	15
33	Fluorine Transfer to Alkyl Radicals. <i>Journal of the American Chemical Society</i> , 2012, 134, 4026-4029.	6.6	297
34	Synthesis and Characterization of Cationic Rhodium Peroxo Complexes. <i>Organometallics</i> , 2012, 31, 7306-7315.	1.1	21
35	Electronic structure of S-nitrosothiols from sulfur K-edge X-ray absorption spectroscopy. <i>Canadian Journal of Chemistry</i> , 2011, 89, 93-97.	0.6	5
36	Development and exploration of a new methodology for the fitting and analysis of XAS data. <i>Journal of Synchrotron Radiation</i> , 2010, 17, 119-128.	1.0	28

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37	<i>Blueprint XAS: a Matlab-based toolbox for the fitting and analysis of XAS spectra.</i> Journal of Synchrotron Radiation, 2010, 17, 132-137.	1.0	46
38	<i>Oxovanadium(IV) Cyclam and Bicyclam Complexes: Potential CXCR4 Receptor Antagonists.</i> Inorganic Chemistry, 2010, 49, 1122-1132.	1.9	39
39	<i>Abnormal Reactivity of an π-Heterocyclic Carbene (NHC) with a Phosphaalkene: A Route to a π-Phosphino-Substituted NHC.</i> Angewandte Chemie - International Edition, 2009, 48, 9844-9847.	7.2	68
40	<i>X-ray spectroscopic approaches to the investigation and characterization of photochemical processes.</i> Journal of Synchrotron Radiation, 2009, 16, 484-488.	1.0	6
41	<i>Effects of Hyperconjugation on the Electronic Structure and Photoreactivity of Organic Sulfonyl Chlorides.</i> Inorganic Chemistry, 2009, 48, 1038-1044.	1.9	5
42	<i>Influence of Oxygenation on the Reactivity of Rutheniumπ-Thiolato Bonds in Arene Anticancer Complexes: Insights from XAS and DFT.</i> Journal of the American Chemical Society, 2009, 131, 13355-13361.	6.6	49
43	<i>Redox Photochemistry of Methionine by Sulfur K-edge X-ray Absorption Spectroscopy: Potential Implications for Cataract Formation.</i> Journal of the American Chemical Society, 2009, 131, 3577-3582.	6.6	17
44	<i>Assignment of pre-edge features in the Ru K-edge X-ray absorption spectra of organometallic ruthenium complexes.</i> Inorganica Chimica Acta, 2008, 361, 1059-1065.	1.2	45
45	<i>N-Heterocyclic Carbene Complexes of Rh: π Reaction with Dioxygen without Oxidation.</i> Journal of the American Chemical Society, 2008, 130, 3724-3725.	6.6	70
46	<i>An Electronic Rationale for Observed Initiation Rates in Ruthenium-Mediated Olefin Metathesis: π Charge Donation in Phosphine and N-Heterocyclic Carbene Ligands.</i> Journal of the American Chemical Society, 2007, 129, 15774-15776.	6.6	51
47	<i>Sulfur K-Edge XAS as a Probe of Sulfur-Centered Radical Intermediates.</i> Journal of the American Chemical Society, 2007, 129, 3034-3035.	6.6	32
48	<i>Probing Electronic Communication in Stable Benzene-Bridged Verdazyl Diradicals.</i> Journal of Organic Chemistry, 2007, 72, 8062-8069.	1.7	77
49	<i>X-ray absorption methods for the determination of Ruπ-Cl bond covalency in olefin metathesis catalysts: On the normalization of chlorine K-edges in ruthenium complexes.</i> Inorganica Chimica Acta, 2006, 359, 3042-3047.	1.2	20
50	<i>Variable energy photoelectron spectroscopy: electronic structure and electronic relaxation.</i> Coordination Chemistry Reviews, 2005, 249, 229-253.	9.5	27
51	<i>Spectroscopy of Non-Heme Iron Thiolate Complexes: π Insight into the Electronic Structure of the Low-Spin Active Site of Nitrile Hydratase.</i> Inorganic Chemistry, 2005, 44, 1826-1836.	1.9	36
52	<i>X-ray Magnetic Circular Dichroism of Pseudomonasaeruginosa Nickel(II) Azurin.</i> Journal of the American Chemical Society, 2004, 126, 5859-5866.	6.6	13
53	<i>Electronic Structure Contributions to Electron-Transfer Reactivity in Ironπ-Sulfur Active Sites: π 2. Reduction Potentials.</i> Inorganic Chemistry, 2003, 42, 689-695.	1.9	38
54	<i>Electronic Structure Contributions to Electron-Transfer Reactivity in Ironπ-Sulfur Active Sites: π 3. Kinetics of Electron Transfer.</i> Inorganic Chemistry, 2003, 42, 696-708.	1.9	45

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55	Electronic Structure Contributions to Electron-Transfer Reactivity in Iron ²⁺ /Sulfur Active Sites: A Photoelectron Spectroscopic Determination of Electronic Relaxation. <i>Inorganic Chemistry</i> , 2003, 42, 679-688.	1.9	36
56	A Multiplet Analysis of Fe K-Edge 1s → 3d Pre-Edge Features of Iron Complexes. <i>Journal of the American Chemical Society</i> , 1997, 119, 6297-6314.	6.6	1,226
57	Structural and Functional Aspects of Metal Sites in Biology. <i>Chemical Reviews</i> , 1996, 96, 2239-2314.	23.0	2,455
58	Reduction and Aggregation of Silver Ions at the Surface of Colloidal Silica. <i>The Journal of Physical Chemistry</i> , 1994, 98, 9619-9625.	2.9	65
59	Reduction and Aggregation of Silver Ions in Aqueous Gelatin Solutions. <i>Langmuir</i> , 1994, 10, 3018-3022.	1.6	107
60	On the usage of turnover numbers and quantum yields in heterogeneous photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993, 73, 11-16.	2.0	109
61	Thin films of non-stoichiometric perovskites as potential oxygen sensors. <i>Sensors and Actuators B: Chemical</i> , 1993, 13, 272-275.	4.0	39