JÃ¼rgen Heck

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/702661/publications.pdf

Version: 2024-02-01

		394421	395702
75	1,340	19	33
papers	citations	h-index	g-index

81	81	81	1073
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlling Throughâ€Space and Throughâ€Bond Exchange Pathways in Bisâ€Cobaltocenes for Molecular Spintronics. Angewandte Chemie, 2020, 132, 2428-2434.	2.0	2
2	Controlling Throughâ€Space and Throughâ€Bond Exchange Pathways in Bisâ€Cobaltocenes for Molecular Spintronics. Angewandte Chemie - International Edition, 2020, 59, 2407-2413.	13.8	14
3	Azoxycobaltocenium dication, a new organometallic azoxyarene. Journal of Organometallic Chemistry, 2019, 898, 120873.	1.8	0
4	Unexpected High Secondâ€Order Nonlinear Optical Activity of Metal Complexes with Threeâ€Branched Hexadentate 2,2â€²â€Bipyridine Ligands. Chemistry - A European Journal, 2018, 24, 14901-14905.	3.3	1
5	Magnetic Properties of One-Dimensional Stacked Metal Complexes. Nanoscience and Technology, 2018, , 89-116.	1.5	0
6	Why Are Dithienyletheneâ€Linked Biscobaltocenes so Hard to Photoswitch?. ChemPhysChem, 2017, 18, 596-609.	2.1	5
7	Why Are Dithienyletheneâ€Linked Biscobaltocenes so Hard to Photoswitch?. ChemPhysChem, 2017, 18, 578-578.	2.1	0
8	Nucleophilic Substitution in the Nitrocobaltocenium Ion. European Journal of Inorganic Chemistry, 2017, 2017, 1314-1319.	2.0	6
9	Synthesis, characterization and magnetic properties of head-to-head stacked vanadocenes. Dalton Transactions, 2017, 46, 15494-15502.	3.3	4
10	Interconnected Cobaltocene Complexes on Metal Surfaces. Journal of Physical Chemistry C, 2017, 121, 26777-26784.	3.1	12
11	Molecular Gold Wire from Mixedâ€Valent Au^{I/III} Complexes. Chemistry - A European Journal, 2016, 22, 6787-6792.	3.3	8
12	Synthesis, structure and NLO properties of a 1,3,5-substituted tricationic cobaltocenium benzene complex. Journal of Organometallic Chemistry, 2016, 820, 125-129.	1.8	4
13	Donorâ€Acceptor Substituted 2â€Phenylpyridines by Means of Reductive C,Câ€“Cross Coupling Reaction. ChemistrySelect, 2016, 1, 3468-3470.	1.5	1
14	Limits of Molecular Dithienylethene Switches Caused by Ferrocenyl Substitution. ChemPhysChem, 2016, 17, 1881-1894.	2.1	6
15	Extended Threefoldâ€Symmetric Secondâ€Harmonicâ€Generation Chromophores Based on 1,3,5â€Trisubstituted Benzene Complexes. European Journal of Inorganic Chemistry, 2015, 2015, .	2.0	2
16	Catalytic Diaminoâ€Sugarâ€Assisted Enantioselective Hydrogenation. European Journal of Inorganic Chemistry, 2015, 2015, 2858-2864.	2.0	2
17	Photoswitching Behavior of a Cyclohexeneâ€Bridged versus a Cyclopenteneâ€Bridged Dithienylethene System. ChemPhysChem, 2015, 16, 1491-1501.	2.1	8
18	Catalytic sugar-assisted transfer hydrogenation with Ru(II), Rh(III) and Ir(III) halfsandwich complexes. Journal of Molecular Catalysis A, 2015, 408, 107-122.	4.8	3

#	Article	IF	Citations
19	Diaminohexopyranosides as Ligands in Half-Sandwich Ruthenium(II), Rhodium(III), and Iridium(III) Complexes. Organometallics, 2015, 34, 1507-1521.	2.3	35
20	Stille Cross-Coupling Reaction with Cationic [(Î·⁵-Cp)(Î·⁶-C₆H_{6â€“x}I_x)Ru]⁺ Complexes as Key for Ethynyl-Bridged Homo- and Heteronuclear Sandwich Compounds. Organometallics, 2015, 34, 1692-1700.	2.3	12
21	One-Step Preparation and Crystallization of Almost Insoluble Palladium(II) and Platinum(II/IV) Complexes from a Biphasic Solvent System. Crystal Growth and Design, 2015, 15, 5280-5287.	3.0	3
22	2,2â€²â€Bipyridineâ€Based Dendritic Structured Compounds for Second Harmonic Generation. Chemistry - A European Journal, 2014, 20, 14351-14361.	3.3	6
23	Synthesis and Molecular Structures of Monosubstituted Pentamethylcobaltocenium Cations. European Journal of Inorganic Chemistry, 2014, 2014, 4115-4122.	2.0	13
24	Mono(Î·5-cyclopentadienyl)metal(II) Complexes with Thienyl Acetylide Chromophores: Synthesis, Electrochemical Studies, and First Hyperpolarizabilities. Organometallics, 2014, 33, 4655-4671.	2.3	18
25	Group 8 metallocenes as bulky functional groups in glucopyranosides. Carbohydrate Research, 2013, 365, 26-31.	2.3	1
26	Dipolar Sesquifulvalene Compounds with (Tetraaryl-Î·⁴-cyclobutadiene)(Î·⁵-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.3	11
27	Phosphane Ligands with Enaminoketone Scaffold and their Palladium Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1151-1158.	1.2	1
28	Electronic Coupling through Intramolecular Ï€â€“Ï€ Interactions in Biscobaltocenes: A Structural, Spectroscopic, and Magnetic Study. Chemistry - A European Journal, 2011, 17, 4166-4176.	3.3	15
29	Sweet organometallics. Reviews in Inorganic Chemistry, 2011, 31, .	4.1	14
30	Stacked Nickelocenes: Synthesis, Structural Characterization, and Magnetic Properties. Inorganic Chemistry, 2010, 49, 1667-1673.	4.0	22
31	Structural Consequences in ÃŽÂ±- and ÃŽÂ²-Glucopyranosidato Complexes of Cp*TiCl3. European Journal of Inorganic Chemistry, 2009, 2009, 5295-5298.	2.0	3
32	Trigonal-Pyramidal Tetra-Sandwich Complexes as 3D NLOphores. European Journal of Inorganic Chemistry, 2008, 2008, 1999-2006.	2.0	17
33	Three-Branched Dendritic Dipolar Nonlinear Optical Chromophores, More than Three Times a Single-Strand Chromophore?. Journal of Physical Chemistry B, 2008, 112, 14751-14761.	2.6	19
34	Metal-Mediated Transformations of Cyclooctatetraene to Novel Methylene-Bridged, Bicyclic Compounds. Organometallics, 2007, 26, 5386-5394.	2.3	4
35	(Î·4-Tetraarylcyclobutadiene)(Î·5-formylcyclopentadienyl)cobalt(I) complexes: Facilities to finetune the electron-donating capability in dipolar organometallics. Journal of Organometallic Chemistry, 2007, 692, 2216-2226.	1.8	7
36	Synthesis and Crystal Structure of a Dinuclear Titanium(IV) Complex containing an Allopyranosidato Ligand. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 43-45.	1.2	5

#	Article	IF	Citations
37	Diamino Monosaccharide Ligands in Group 6 Carbonyl Complexes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 2395-2399.	1.2	9
38	Intermetallic Communication through Carbon Wires in Heterobinuclear Cationic Allenylidene Complexes of Chromium. Organometallics, 2006, 25, 5774-5787.	2.3	41
39	Synthesis and characterization of dinuclear monohydro sesquifulvalene complexes with potential NLO properties. Journal of Organometallic Chemistry, 2006, 691, 455-462.	1.8	4
40	Aldol condensation reactions of [Co(Î·4-C4Ph4){Î·5-C5H4C(O)CH3}]. Journal of Organometallic Chemistry, 2006, 691, 1183-1196.	1.8	11
41	Polar Cofacially Fixed Sandwich Complexes: Do They Demonstrate Second Harmonic Generation (SHG)?. European Journal of Inorganic Chemistry, 2006, 2006, 857-867.	2.0	12
42	Sugar ligands in organotitanium complexes. Chemical Communications, 2005, , 5653.	4.1	12
43	Addition of Ynamines to the Tungsten Î·1-Vinylidene Complexes (Î·5-C5H5)(NO)(CO)WCC(H)R. Organometallics, 2004, 23, 4902-4909.	2.3	19
44	Cellulose-Based Polymers with Long-Chain Pendant Ferrocene Derivatives as Organometallic Chromophoresâ€. Organometallics, 2004, 23, 3853-3864.	2.3	19
45	[(Î·6-Cyclooctatetraene){Î·5-(+)-neomenthylcyclopentadienyl}ruthenium(II)] Hexafluorophosphate: Synthesis and Characterization of a Chiral Mixed Sandwich Complex. European Journal of Inorganic Chemistry, 2003, 2003, 313-317.	2.0	6
46	Vinylogue Mono- and Bimetallic Cationic Sesquifulvalene and Monohydro Sesquifulvalene Complexes for Second Harmonic Generation. European Journal of Inorganic Chemistry, 2003, 2003, 936-946.	2.0	29
47	Synthesis and Properties of a Novel Series of Organometallic Merocyanines Combining the Potent Electron-Donating [(CpFeCO)2(Î¼-CO)(Î¼-C=CHâ¯)] Fragment with Tropylium-Type Acceptors. European Journal of Inorganic Chemistry, 2002, 2002, 1677-1686.	2.0	23
48	Donorâ¯Acceptor Interaction in Cationic Archetype Mono- and Dinuclear Sesquifulvalene Complexes [(Î·5-C5H5)Fe{Âµ-(Î·5-C5H4)(Î·7-C7H6)}Mâ€²Lâ€²]n+ (n = 1, 2). European Journal of Inorganic Chemistry, 2002, 2002, 239-248.	2.0	20
49	Azulenylium and guaiazulenylium cations as novel accepting moieties in extended sesquifulvalene type Dâ€“Î€â€“A NLO chromophoresâ€Šâ€. Dalton Transactions RSC, 2001, , 29-36.	2.3	62
50	Synthesis and long wavelength hyper-Rayleigh scattering measurements of extended Î¼-vinylidene di-iron donor based organometallic merocyanines. Journal of Organometallic Chemistry, 2001, 625, 32-39.	1.8	12
51	Structureâ¯Property Dependence of the First Hyperpolarisabilities of Organometallic Merocyanines Based on the Î¼-Vinylcarbynediiron Acceptor and Ferrocene Donor. European Journal of Inorganic Chemistry, 2001, 2001, 2365-2375.	2.0	26
52	Organometallic Supramolecular Chemistry with Monosaccharides: Triethylammoniumμ-Chloro-bis{chloro(Î·5-cyclopentadienyl)(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (4,6-O-benzylidene-Î· 3791-3797.	3.3	21
53	Second Harmonic Generation and Two-Photon Fluorescence as Nonlinear Optical Properties of Dipolar Mononuclear Sesquifulvalene Complexes. European Journal of Inorganic Chemistry, 2000, 2000, 631-646.	2.0	54
54	ZrIV- und TaV-Komplexe mit methanoverbrÃ¼ckten Bis(aryloxy)-Liganden. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2000, 626, 1814-1821.	1.2	9

#	Article	IF	Citations
55	Regio- and Stereoselective Functionalization ofcyclo-C8 Compounds by Iterative Nucleophilic and Electrophilic Addition to Coordinated Cyclooctatetraene. European Journal of Inorganic Chemistry, 2000, 2000, 1941-1952.	2.0	6
56	Linear and Nonlinear Optical Properties of Diiron Î¼-Vinylcarbyne Acceptor and Stilbenyl Donor Based Chromophores. Organometallics, 2000, 19, 3410-3419.	2.3	25
57	Second Harmonic Generation and Two-Photon Fluorescence as Nonlinear Optical Properties of Dipolar Mononuclear Sesquifulvalene Complexes. European Journal of Inorganic Chemistry, 2000, 2000, 631-646.	2.0	1
58	First Hyperpolarizabilities of Manganese(I)â^'Chromium(0) Sesquifulvalene Complexes. European Journal of Inorganic Chemistry, 2000, 2000, 1161-1169.	2.0	21
59	Cooperative effects in Ï€-ligand bridged dinuclear complexes XXII. New dinuclear bis(cyclopentadienediyl)ketone complexes containing molybdenum, tungsten, cobalt and iron. Journal of Organometallic Chemistry, 1999, 584, 329-337.	1.8	11
60	Mono- and dinuclear sesquifulvalene complexes, organometallic materials with large nonlinear optical properties. Coordination Chemistry Reviews, 1999, 190-192, 1217-1254.	18.8	155
61	Synthese und Struktur von Tetrachloro[4-tert-butyl-2(diphenylphosphanyl-Îº*P*-methyl)phenolato-Îº*O*]tantal(V), ein neuartiger TaV-Komplex mit einem chelatisierenden Aryloxyphosphanliganden. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1999, 625, 2077-2080.	1.2	2
62	Synfacially Structured [(CpRu)2Î¼-cot]â€"What a Difference the Coordination Side Makes!. Chemistry - A European Journal, 1999, 5, 659-668.	3.3	16
63	Electronic Structure of the Electron-Poor Dinuclear Organometallic Compounds [(CpM)(CpMâ€˜)]Î¼-Cot (M, Mâ€˜ = V, Cr, Fe, Co). Inorganic Chemistry, 1999, 38, 77-83.	4.0	6
64	Iterative Nucleophilic and Electrophilic Additions to Coordinated Cyclooctatetraene: An Efficient Route tocis-5,7-Disubstituted 1,3-Cyclooctadienes. Angewandte Chemie - International Edition, 1998, 37, 520-522.	13.8	7
65	Synthesis and Nonlinear Optical Properties of New Heptapentaenylidene Complexes:â€‰ Study on the Second Harmonic Generation Efficiencies of Amino-Substituted Group 6 Cumulenylidenes. Organometallics, 1998, 17, 1511-1516.	2.3	57
66	Iterative nucleophile und elektrophile Additionen an komplexgebundenes Cyclooctatetraen: ein effizienter Zugang zu cis-5,7-disubstituierten Cycloocta-1,3-dienen. Angewandte Chemie, 1998, 110, 533-535.	2.0	1
67	Intermetallic sÌ€ and â^ž Communication in Heterodinuclear Î¼â€Cyclooctatetraene Complexes. Chemistry - A European Journal, 1997, 3, 1151-1159.	3.3	6
68	(1-Ferrocenyl-Î·6-borabenzene)(Î·5-cyclopentadienyl)cobalt(1+):Â A New Heterobimetallic Basic NLO ChromophoreÂ§,â€–. Inorganic Chemistry, 1996, 35, 7863-7866.	4.0	63
69	Bimetallic Sesquifulvalene Complexesâ€"Compounds with Unusually Large Hyperpolarizability Î². Chemistry - A European Journal, 1996, 2, 98-103.	3.3	100
70	Cooperative effects in Ï€-ligand bridged dinuclear complexes. Journal of Organometallic Chemistry, 1994, 475, 233-240.	1.8	6
71	Kooperative Wirkung in Ï€1â€Ligandâ€verbrÃ¼ckten Zweikernkomplexen, XIII. Unerwartet schwache dâ€dâ€Wechselwirkungen in synfacialen heterodinuklearen Î¼1â€Cyclooctatetraenkomplexen vom Typ {(CpCr)[(CO)₃Mâ€²]}Î¼1â€Cot (Mâ€²ï¿¾Fe, Cr, W). Chemische Berichte, 1993, 126, 553-563.	0.2	15
72	Cooperative Effects in ?-Ligand Bridged Dinuclear Complexes. XII [1]. Heterodinuclear Electron Poor ?-Cyclooctatetraene Complexes with CrFe-and CrCo-Combinations. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1992, 611, 35-42.	1.2	10

#	Article	IF	Citations
73	Kooperative Wirkung in Ï€â€Ligandâ€verbrÃ¼ckten Zweikernkomplexen, IX. EinfluÃŸ der Cpâ€²ï£¿Xï£¿Cpâ€²â€BrÃ¼cke in CpM(CO)₃â€Zweikernkomplexen (M ï£¾ Mo, W) auf die Reaktion mit Alkinen². Chemische Berichte, 1990, 123, 1767-1778.	0.2	22
74	Synthesis and ESR Characterization of the Triplet SpeciesÎ¼-(Î·6:Î·6-Biphenyl)-bis[(Î·6-benzene)vanadium]. Angewandte Chemie International Edition in English, 1981, 20, 267-269.	4.4	18
75	Ferrocene-Based Electro-Optical Materials. , 0, , 319-392.		8