

Muriel Hissler

List of Publications by Year in descending order

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81743

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106
docs citations

106
times ranked

3840
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#	ARTICLE	IF	CITATIONS
1	Platinum Diimine Bis(acetylide) Complexes: Synthesis, Characterization, and Luminescence Properties. <i>Inorganic Chemistry</i> , 2000, 39, 447-457.	1.9	400
2	Platinum diimine complexes: towards a molecular photochemical device. <i>Coordination Chemistry Reviews</i> , 2000, 208, 115-137.	9.5	392
3	Toward a Molecular Photochemical Device: A Triad for Photoinduced Charge Separation Based on a Platinum Diimine Bis(acetylide) Chromophore. <i>Inorganic Chemistry</i> , 2001, 40, 4510-4511.	1.9	391
4	Linear organic π -conjugated systems featuring the heavy Group 14 and 15 elements. <i>Coordination Chemistry Reviews</i> , 2003, 244, 1-44.	9.5	324
5	Toward Functional π -Conjugated Organophosphorus Materials: Design of Phosphole-Based Oligomers for Electroluminescent Devices. <i>Journal of the American Chemical Society</i> , 2006, 128, 983-995.	6.6	255
6	Phosphole-Containing π -Conjugated Systems: From Model Molecules to Polymer Films on Electrodes. <i>Chemistry - A European Journal</i> , 2001, 7, 4222-4236.	1.7	238
7	Intramolecular Triplet Energy Transfer in Pyrene-Metal Polypyridine Dyads: A Strategy for Extending the Triplet Lifetime of the Metal Complex. <i>Chemistry - A European Journal</i> , 1999, 5, 3366-3381.	1.7	195
8	Room Temperature Phosphorescence from a Platinum(II) Diimine Bis(pyrenylacetylide) Complex. <i>Inorganic Chemistry</i> , 2003, 42, 1394-1396.	1.9	194
9	First Examples of Organophosphorus-Containing Materials for Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2003, 125, 9254-9255.	6.6	191
10	Dibenzophosphapentaphenes: Exploiting P Chemistry for Gap Fine-Tuning and Coordination-Driven Assembly of Planar Polycyclic Aromatic Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2012, 134, 6524-6527.	6.6	139
11	Electropolymerization of π -Conjugated Oligomers Containing Phosphole Cores and Terminal Thienyl Moieties: Optical and Electronic Properties. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1812-1815.	7.2	135
12	Fine-Tuning the Electronic Properties of Binuclear Bis(terpyridyl)ruthenium(II) Complexes. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1717-1720.	7.2	128
13	Tunable Organophosphorus Dopants for Bright White Organic Light-Emitting Diodes with Simple Structures. <i>Advanced Materials</i> , 2009, 21, 1261-1265.	11.1	98
14	Benzofuran-fused Phosphole: Synthesis, Electronic, and Electroluminescence Properties. <i>Organic Letters</i> , 2013, 15, 330-333.	2.4	94
15	Energy Transfer in Molecular Dyads Comprising Metalloporphyrin and Ruthenium(II) Tris(2,2'-bipyridyl) Terminals. Competition between Internal Conversion and Energy Transfer in the Upper Excited Singlet State of the Porphyrin. <i>Journal of the American Chemical Society</i> , 1999, 121, 2516-2525.	6.6	92
16	Ultrafast Energy Migration in Platinum(II) Diimine Complexes Bearing Pyrenylacetylide Chromophores. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2465-2471.	1.1	92
17	Connecting π -Chromophores by π -P \sim P Bonds: A New Type of Assemblies Exhibiting π - π -Conjugation. <i>Journal of the American Chemical Society</i> , 2004, 126, 6058-6063.	6.6	91
18	cis-[Ru(2,2'-bipyridine) ₂ (DMSO)Cl ₂]: A Useful Precursor for the Synthesis of Heteroleptic Terpyridine Complexes under Mild Conditions. <i>Inorganic Chemistry</i> , 2004, 43, 4262-4271.	1.9	88

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19	Photophysical properties of pyrene-(2,2'-bipyridine) dyads. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 4203-4211.	1.3	80
20	Syntheses and Structural Characterization of Luminescent Platinum(II) Complexes Containing Di-tert-butylbipyridine and New 1,1-Dithiolate Ligands. <i>Inorganic Chemistry</i> , 2001, 40, 1183-1188.	1.9	74
21	Intramolecular triplet energy transfer in alkyne-bridged Ru ^{II} -Os multinuclear complexes: switching between dipole-dipole and electron-exchange mechanisms. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 2223-2238.	1.7	72
22	Phosphole-Modified Poly(thiophene)s: Unique Postfunctionalizable Conjugated Polymers That Sense Elemental Chalcogenides. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6152-6155.	7.2	71
23	Synthesis and Electronic Properties of Alternating $\hat{\pm}$ -Thiophene-Phosphole Oligomers. <i>Organic Letters</i> , 2003, 5, 3467-3470.	2.4	67
24	An aromatic ⁺ antiaromatic switch in P-heteroles. A small change in delocalisation makes a big reactivity difference. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 996.	1.5	67
25	Ligand trans-effect: using an old concept as a novel approach to bis(dipolar) NLO-phores. <i>Chemical Communications</i> , 2002, , 1674-1675.	2.2	66
26	White Organic Light-Emitting Diodes Based on Quench-Resistant Fluorescent Organophosphorus Dopants. <i>Advanced Functional Materials</i> , 2012, 22, 567-576.	7.8	66
27	Phosphorus-Containing Polycyclic Aromatic Hydrocarbons. <i>ChemPhysChem</i> , 2017, 18, 2618-2630.	1.0	66
28	Conformational Control of Intramolecular Electron Transfer in Calix[4]diquinones and Their Cationic Complexes. <i>Journal of the American Chemical Society</i> , 1999, 121, 14-27.	6.6	65
29	Mono- and Dinuclear Ruthenium(II) and Osmium(II) Polypyridine Complexes Built around Spiro-Bridged Bis(phenanthroline) Ligands: Synthesis, Electrochemistry, and Photophysics. <i>Inorganic Chemistry</i> , 2000, 39, 3590-3598.	1.9	62
30	Synthesis, Electronic Properties, and Reactivity of Phospholes and 1,1'-Biphospholes Bearing 2'- or 3'-Thienyl Substituents. <i>Chemistry - A European Journal</i> , 2009, 15, 4914-4924.	1.7	57
31	Phosphole-based π -conjugated electroluminescent materials for OLEDs. <i>New Journal of Chemistry</i> , 2010, 34, 1603.	1.4	57
32	Synthesis, Electronic Properties and WOLED Devices of Planar Phosphorus-Containing Polycyclic Aromatic Hydrocarbons. <i>Chemistry - A European Journal</i> , 2015, 21, 6547-6556.	1.7	54
33	2,2'-Biphospholes: Building Blocks for Tuning the HOMO-LUMO Gap of π -Systems Using Covalent Bonding and Metal Coordination. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 214-217.	7.2	51
34	Synthesis, electronic properties and electropolymerisation of EDOT-capped π -3-phospholes. <i>Chemical Communications</i> , 2008, , 2200.	2.2	48
35	Pyridyl-Functionalised 1,2,3,4-Triazaphospholes: Synthesis, Coordination Chemistry and Photophysical Properties of Low-Coordinate Phosphorus Compounds. <i>Chemistry - A European Journal</i> , 2015, 21, 11096-11109.	1.7	48
36	3,4-Dithiaphosphole and 3,3',4,4'-Tetrathia-1,1'-Biphosphole π -Conjugated Systems: S Makes the Impact. <i>Chemistry - A European Journal</i> , 2010, 16, 11340-11356.	1.7	45

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37	Synthesis and properties of push-pull porphyrins as sensitizers for NiO based dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3908-3917.	5.2	44
38	The Photophysical Properties of Hybrid Metal Complexes Containing both 2,2'-Bipyridine and 2,2':6',2''-Terpyridine Units. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 955-959.	1.0	40
39	Supramolecular assembly of a phosphole-based moiety into nanostructures dictated by alkynylplatinum(<i>scp</i>) terpyridine complexes through non-covalent Pt-Pt and π - π stacking interactions: synthesis, characterization, photophysics and self-assembly behaviors. <i>Chemical Science</i> , 2017, 8, 4264-4273.	3.7	40
40	Synthesis of Functionalized Calix[4]arene Ligands Incorporating Bipyridine, N-Dioxide Chromophores and Luminescence of Their Lanthanide Complexes. <i>European Journal of Inorganic Chemistry</i> , 1998, 1998, 1959-1965.	1.0	39
41	Coordination chemistry of phosphole ligands: From supramolecular assemblies to OLEDs. <i>Comptes Rendus Chimie</i> , 2008, 11, 628-640.	0.2	39
42	Organophosphorus π -conjugated materials: the rise of a new field. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 2482-2487.	0.8	34
43	Functional phosphorus-based π -conjugated systems: Structural diversity without multistep synthesis. <i>Pure and Applied Chemistry</i> , 2007, 79, 201-212.	0.9	30
44	Phosphahelicenes: From Chiroptical and Photophysical Properties to OLED Applications. <i>Chemistry - A European Journal</i> , 2019, 25, 5303-5310.	1.7	30
45	Phosphorus Centers of Different Hybridization in Phosphaalkene-Substituted Phospholes. <i>Chemistry - A European Journal</i> , 2014, 20, 8421-8432.	1.7	28
46	Molecular-structure control of electron transfer dynamics of push-pull porphyrins as sensitizers for NiO based dye sensitized solar cells. <i>RSC Advances</i> , 2016, 6, 77184-77194.	1.7	27
47	π -Extended Phosphepines: Redox and Optically Active P-Heterocycles with Nonplanar Framework. <i>Organic Letters</i> , 2019, 21, 802-806.	2.4	27
48	Synthesis, Electronic Properties and OLED Devices of Chromophores Based on π -Phosphinines. <i>Chemistry - A European Journal</i> , 2020, 26, 10534-10543.	1.7	26
49	Tuning the aggregation behaviour of BN-coronene diimides with imide substituents and their performance in devices (OLEDs and OFETs). <i>Journal of Materials Chemistry C</i> , 2021, 9, 14720-14729.	2.7	25
50	Closely-spaced chelating centers: synthesis of novel spiro-bridged bis-phenanthrolines and bis-indole derivatives. <i>Tetrahedron Letters</i> , 1999, 40, 7311-7314.	0.7	24
51	Conjugated Metallo-Supramolecular Polymers Containing a Phosphole Unit. <i>Organometallics</i> , 2017, 36, 777-786.	1.1	24
52	Electrostatic Control of Intramolecular Electron Transfer in Calix[4]diquinones Bearing an Appended Chromophore. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 3249-3252.	7.2	20
53	1,2-Dihydrophosphete: A Platform for the Molecular Engineering of Electroluminescent Phosphorus Materials for Light-Emitting Devices. <i>Chemistry - A European Journal</i> , 2014, 20, 9784-9793.	1.7	20
54	Tuning the Optoelectronic Properties of Stannoles by the Judicious Choice of the Organic Substituents. <i>Inorganic Chemistry</i> , 2018, 57, 12562-12575.	1.9	20

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55	Câ€“H Activation of 2,4,6-Triphenylphosphinine: Synthesis and Characterization of the First Homoleptic Phosphinineâ€“Iridium(III) Complex $[\text{Ir}(\text{C}^{\text{P}})_3]$. <i>Inorganic Chemistry</i> , 2013, 52, 10738-10740.	1.9	19
56	Calix[4]arene-fused phospholes. <i>Dalton Transactions</i> , 2017, 46, 9833-9845.	1.6	19
57	A Study of Mono- and 1,1â€“Diphosphoferrocenes as Building Blocks for Î€-Conjugated Systems. <i>Organometallics</i> , 2005, 24, 5369-5376.	1.1	18
58	Naphthylâ€“Fused Phosphepines: Luminescent Contorted Polycyclic Pâ€“Heterocycles. <i>Chemistry - A European Journal</i> , 2020, 26, 1856-1863.	1.7	17
59	Polycyclic aromatic hydrocarbons containing heavy group 14 elements: From synthetic challenges to optoelectronic devices. <i>Coordination Chemistry Reviews</i> , 2022, 464, 214553.	9.5	17
60	Coordination Complexes of P-Containing Polycyclic Aromatic Hydrocarbons: Optical Properties and Solid-State Supramolecular Assembly. <i>Organometallics</i> , 2017, 36, 2502-2511.	1.1	16
61	Multiâ€“Stage Redox Systems Based on Dicationic Pâ€“Containing Polycyclic Aromatic Hydrocarbons. <i>Chemistry - A European Journal</i> , 2020, 26, 8226-8229.	1.7	16
62	Î€-Conjugated derivatives containing phosphole rings: synthesis, properties and coordination chemistry. <i>Comptes Rendus Chimie</i> , 2005, 8, 1186-1193.	0.2	15
63	Edge modification of PAHs: the effect of embedded heterocycles on the aromaticity pattern. <i>Structural Chemistry</i> , 2015, 26, 1351-1357.	1.0	15
64	Strong Solidâ€“State Luminescence Enhancement in Supramolecular Assemblies of Polyoxometalate and â€“Aggregationâ€“Induced Emissionâ€“Active Phospholium. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1642-1646.	1.7	15
65	Synthesis of Polydentate Acyclic and Macrocyclic Polyamine Ligands Bearing 2,2â€“Bipyridine or 2,2â€“Bipyridine N,Nâ€“Dioxide Moieties. <i>Synthesis</i> , 1998, 1998, 1339-1346.	1.2	13
66	Î€-Conjugated systems: Can phosphole offer more than pyrrole?. <i>Pure and Applied Chemistry</i> , 2005, 77, 2099-2104.	0.9	13
67	Supramolecular Electrode Materials Derived from Pyrrole-Substituted Ruthenium(II) Bipyridyl Calix[4]arenes. <i>Chemistry of Materials</i> , 1997, 9, 3-5.	3.2	12
68	Phosphorus-Based Chromophores: Emitters for OLEDs. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2015, 190, 845-853.	0.8	12
69	Synthesis, Optical, and Redox Properties of Regioisomeric Benzoheterocycles-Fused Pyrene. <i>Journal of Organic Chemistry</i> , 2019, 84, 957-962.	1.7	12
70	Stereospecific synthesis of chiral P-containing polyaromatics based on 7-membered P-rings. <i>Chemical Communications</i> , 2021, 57, 7256-7259.	2.2	12
71	Synthesis and Spectroelectrochemical Characterization of an Electrochromic Phosphole-EDOT Copolymer: poly([1-phenyl-2,5-bis(2-thienyl)thioxophosphole]0.14-co-[3,4-ethylenedioxythiophene]0.86). <i>Polymer Bulletin</i> , 2008, 61, 713-724.	1.7	10
72	BN-Substituted coronene diimide donorâ€“acceptorâ€“donor triads: photophysical, (spectro)-electrochemical studies and Lewis behavior. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13926-13934.	2.7	10

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73	Strategies toward phosphorus-containing PAHs and the effect of P-substitution on the electronic properties. <i>Pure and Applied Chemistry</i> , 2017, 89, 341-355.	0.9	9
74	Mixing Polyaromatic Scaffolds and Main Group Elements: Synthesis, Coordination and Optical Properties of Naphthyl- π -Fused Heteropines. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1082-1089.	1.0	8
75	Straightforward Access to Multifunctional π -Conjugated π -Heterocycles Featuring an Internal Ylidic Bond**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	8
76	Luminescent Organogels Formed by Ionic Self-Assembly of AlE-Active Phospholes. <i>ChemPlusChem</i> , 2020, 85, 79-83.	1.3	7
77	Luminescent molecular switches based on dicationic P-doped polycyclic aromatic hydrocarbons. <i>Materials Advances</i> , 2020, 1, 3369-3377.	2.6	7
78	Reaction of carbonyl trinuclear clusters with 2,5-bis(2-thienyl)-1-phenyl-phosphole as a ligand: a new pathway to ruthenacyclopentadiene and cyclopentadienone ruthenium complexes. <i>New Journal of Chemistry</i> , 2018, 42, 12234-12242.	1.4	6
79	Blue Electrofluorescence Properties of Furan-Silole Ladder π -Conjugated Systems. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 812.	1.3	6
80	Phosphetene: Synthesis and reactivity. <i>Coordination Chemistry Reviews</i> , 2021, 433, 213759.	9.5	6
81	Highly Emissive Layers based on Organic/Inorganic Nanohybrids Using Aggregation Induced Emission Effect. <i>Advanced Materials Technologies</i> , 2022, 7, 2100876.	3.0	6
82	New Conjugated π -Systems Incorporating Phosphole Rings. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1423-1425.	0.8	4
83	Fluxional behaviour of phosphole and phosphine ligands on triosmium clusters. <i>Journal of Organometallic Chemistry</i> , 2015, 799-800, 45-53.	0.8	4
84	High variety of coordination modes of π -conjugated phospholes in dinuclear rhenium carbonyls. Fluxional behavior of η^5 - π -complexes. <i>Inorganica Chimica Acta</i> , 2019, 491, 118-127.	1.2	4
85	The influence of the formal replacement of thiophenes by stannoles in terthiophene and sexithiophene on the optoelectronic properties and electrochemical behavior. <i>Dalton Transactions</i> , 2021, 50, 6213-6221.	1.6	3
86	Reactivity of dirhenium and triruthenium carbonyls toward a biphosphole ligand: M-M, P-P and C-H bonds cleavage. <i>Journal of Organometallic Chemistry</i> , 2017, 834, 40-46.	0.8	2
87	Topologically diverse polycyclic aromatic hydrocarbons from pericyclic reactions with polyaromatic phospholes. <i>New Journal of Chemistry</i> , 2021, 45, 8118-8124.	1.4	2
88	Taking Advantage of <i>ortho</i> - and <i>peri</i> -Substitution to Design Nine-Membered P,O,Si- π -heterocycles**. <i>Chemistry - A European Journal</i> , 2021, 27, 11391-11397.	1.7	2
89	Si-containing polycyclic aromatic hydrocarbons: synthesis and opto-electronic properties. <i>Chemical Communications</i> , 2021, 58, 88-91.	2.2	2
90	Aggregation-induced emission fluorophore doped phosphate glass: Toward light-emitting electrochemical cells. <i>Journal of Alloys and Compounds</i> , 2022, 897, 163196.	2.8	2

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91	Straightforward Access to Multifunctional π -Conjugated Heterocycles Featuring an Internal Ylidic Bond ^{**} . <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
92	Conjugated oligomers with alternating heterocycles from a single monomer: synthesis and demonstration of electroluminescence. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3636-3643.	2.3	1
93	Stereochemical Control of Tricoordinate Copper(I) Complexes Based on N-(9-Alkyl-9-fluorenyl)-Substituted Heterocyclic Carbenes. <i>Synthesis</i> , 2021, 53, 1785-1794.	1.2	1
94	Phosphanyl-Substituted Siloles: Synthesis, Optical and Electrochemical Studies and Computations. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1794-1802.	1.0	0