

# Muriel Hissler

## List of Publications by Year in descending order

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94  
papers

5,570  
citations

81743

39  
h-index

76769

74  
g-index

106  
all docs

106  
docs citations

106  
times ranked

3840  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Emissive Layers based on Organic/Inorganic Nanohybrids Using Aggregation Induced Emission Effect. <i>Advanced Materials Technologies</i> , 2022, 7, 2100876.	3.0	6
2	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
3	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
4	Straightforward Access to Multifunctional $\pi$ -Conjugated $P$ -Heterocycles Featuring an Internal Ylidic Bond**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	8
5	Straightforward Access to Multifunctional $\pi$ -Conjugated $P$ -Heterocycles Featuring an Internal Ylidic Bond**. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	2
6	Stereospecific synthesis of chiral P-containing polyaromatics based on 7-membered P-rings. <i>Chemical Communications</i> , 2021, 57, 7256-7259.	2.2	12
7	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
8	Topologically diverse polycyclic aromatic hydrocarbons from pericyclic reactions with polyaromatic phospholes. <i>New Journal of Chemistry</i> , 2021, 45, 8118-8124.	1.4	2
9	Mixing Polyaromatic Scaffolds and Main Group Elements: Synthesis, Coordination and Optical Properties of Naphthyl-Fused Heteropines. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1082-1089.	1.0	8
10	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
11	Phosphetene: Synthesis and reactivity. <i>Coordination Chemistry Reviews</i> , 2021, 433, 213759.	9.5	6
12	Taking Advantage of <i>ortho</i> - and <i>peri</i> -Substitution to Design Nine-Membered P,O,Si-heterocycles**. <i>Chemistry - A European Journal</i> , 2021, 27, 11391-11397.	1.7	2
13	BN-Substituted coronene diimide donor-acceptor-donor triads: photophysical, (spectro)-electrochemical studies and Lewis behavior. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13926-13934.	2.7	10
14	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
15	Si-containing polycyclic aromatic hydrocarbons: synthesis and opto-electronic properties. <i>Chemical Communications</i> , 2021, 58, 88-91.	2.2	2
16	Naphthyl-Fused Phosphepines: Luminescent Contorted Polycyclic $P$ -Heterocycles. <i>Chemistry - A European Journal</i> , 2020, 26, 1856-1863.	1.7	17
17	Luminescent Organogels Formed by Ionic Self-Assembly of AIE-Active Phospholes. <i>ChemPlusChem</i> , 2020, 85, 79-83.	1.3	7
18	Luminescent molecular switches based on dicationic P-doped polycyclic aromatic hydrocarbons. <i>Materials Advances</i> , 2020, 1, 3369-3377.	2.6	7

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19	Multi-Stage Redox Systems Based on Dicationic P-Containing Polycyclic Aromatic Hydrocarbons. Chemistry - A European Journal, 2020, 26, 8226-8229.	1.7	16
20	Synthesis, Electronic Properties and OLED Devices of Chromophores Based on P-Phosphinines. Chemistry - A European Journal, 2020, 26, 10534-10543.	1.7	26
21	Phosphanyl-Substituted Siloles: Synthesis, Optical and Electrochemical Studies and Computations. European Journal of Inorganic Chemistry, 2020, 2020, 1794-1802.	1.0	0
22	P-Extended Phosphinines: Redox and Optically Active P-Heterocycles with Nonplanar Framework. Organic Letters, 2019, 21, 802-806.	2.4	27
23	High variety of coordination modes of P-conjugated phospholes in dinuclear rhenium carbonyls. Fluxional behavior of P-complexes. Inorganica Chimica Acta, 2019, 491, 118-127.	1.2	4
24	Phosphahelicenes: From Chiroptical and Photophysical Properties to OLED Applications. Chemistry - A European Journal, 2019, 25, 5303-5310.	1.7	30
25	Conjugated oligomers with alternating heterocycles from a single monomer: synthesis and demonstration of electroluminescence. Organic Chemistry Frontiers, 2019, 6, 3636-3643.	2.3	1
26	Synthesis, Optical, and Redox Properties of Regioisomeric Benzoheterocycles-Fused Pyrene. Journal of Organic Chemistry, 2019, 84, 957-962.	1.7	12
27	Strong Solid-State Luminescence Enhancement in Supramolecular Assemblies of Polyoxometalate and P-Aggregation-Induced Emission-Active Phospholium. Chemistry - an Asian Journal, 2019, 14, 1642-1646.	1.7	15
28	Tuning the Optoelectronic Properties of Stannoles by the Judicious Choice of the Organic Substituents. Inorganic Chemistry, 2018, 57, 12562-12575.	1.9	20
29	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. New Journal of Chemistry, 2018, 42, 12234-12242.	1.4	6
30	Blue Electrofluorescence Properties of Furan-Silole Ladder Pi-Conjugated Systems. Applied Sciences (Switzerland), 2018, 8, 812.	1.3	6
31	Strategies toward phosphorus-containing PAHs and the effect of P-substitution on the electronic properties. Pure and Applied Chemistry, 2017, 89, 341-355.	0.9	9
32	Coordination Complexes of P-Containing Polycyclic Aromatic Hydrocarbons: Optical Properties and Solid-State Supramolecular Assembly. Organometallics, 2017, 36, 2502-2511.	1.1	16
33	Reactivity of dirhenium and triruthenium carbonyls toward a biphosphole ligand: M-P and C-H bonds cleavage. Journal of Organometallic Chemistry, 2017, 834, 40-46.	0.8	2
34	Conjugated Metallo-Supramolecular Polymers Containing a Phosphole Unit. Organometallics, 2017, 36, 777-786.	1.1	24
35	Supramolecular assembly of a phosphole-based moiety into nanostructures dictated by alkynylplatinum(II) terpyridine complexes through non-covalent Pt-Pt and P-P stacking interactions: synthesis, characterization, photophysics and self-assembly behaviors. Chemical Science, 2017, 8, 4264-4273.	3.7	40
36	Phosphorus-Containing Polycyclic Aromatic Hydrocarbons. ChemPhysChem, 2017, 18, 2618-2630.	1.0	66

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37	Calix[4]arene-fused phospholes. Dalton Transactions, 2017, 46, 9833-9845.	1.6	19
38	Molecular-structure control of electron transfer dynamics of push-pull porphyrins as sensitizers for NiO based dye sensitized solar cells. RSC Advances, 2016, 6, 77184-77194.	1.7	27
39	Pyridyl-Functionalised 1,2,3,4-Triazaphospholes: Synthesis, Coordination Chemistry and Photophysical Properties of Low-Coordinate Phosphorus Compounds. Chemistry - A European Journal, 2015, 21, 11096-11109.	1.7	48
40	Synthesis, Electronic Properties and WOLED Devices of Planar Phosphorus-Containing Polycyclic Aromatic Hydrocarbons. Chemistry - A European Journal, 2015, 21, 6547-6556.	1.7	54
41	Synthesis and properties of push-pull porphyrins as sensitizers for NiO based dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 3908-3917.	5.2	44
42	Phosphorus-Based Chromophores: Emitters for OLEDs. Phosphorus, Sulfur and Silicon and the Related Elements, 2015, 190, 845-853.	0.8	12
43	Fluxional behaviour of phosphole and phosphine ligands on trisium clusters. Journal of Organometallic Chemistry, 2015, 799-800, 45-53.	0.8	4
44	Edge modification of PAHs: the effect of embedded heterocycles on the aromaticity pattern. Structural Chemistry, 2015, 26, 1351-1357.	1.0	15
45	Phosphorus Centers of Different Hybridization in Phosphaalkene-Substituted Phospholes. Chemistry - A European Journal, 2014, 20, 8421-8432.	1.7	28
46	1,2-Dihydrophosphete: A Platform for the Molecular Engineering of Electroluminescent Phosphorus Materials for Light-Emitting Devices. Chemistry - A European Journal, 2014, 20, 9784-9793.	1.7	20
47	Benzofuran-fused Phosphole: Synthesis, Electronic, and Electroluminescence Properties. Organic Letters, 2013, 15, 330-333.	2.4	94
48	C-H Activation of 2,4,6-Triphenylphosphinine: Synthesis and Characterization of the First Homoleptic Phosphinine-Iridium(III) Complex $[\text{Ir}(\text{C}^{\text{P}})_3]$ . Inorganic Chemistry, 2013, 52, 10738-10740.	1.9	19
49	Dibenzophosphapentaphenes: Exploiting P Chemistry for Gap Fine-Tuning and Coordination-Driven Assembly of Planar Polycyclic Aromatic Hydrocarbons. Journal of the American Chemical Society, 2012, 134, 6524-6527.	6.6	139
50	White Organic Light-Emitting Diodes Based on Quench-Resistant Fluorescent Organophosphorus Dopants. Advanced Functional Materials, 2012, 22, 567-576.	7.8	66
51	2,2-Biphospholes: Building Blocks for Tuning the HOMO-LUMO Gap of $\pi$ -Systems Using Covalent Bonding and Metal Coordination. Angewandte Chemie - International Edition, 2012, 51, 214-217.	7.2	51
52	3,4-Dithiaphosphole and 3,3',4,4'-Tetrathia-1,1'-Biphosphole $\pi$ -Conjugated Systems: S Makes the Impact. Chemistry - A European Journal, 2010, 16, 11340-11356.	1.7	45
53	Phosphole-based $\pi$ -conjugated electroluminescent materials for OLEDs. New Journal of Chemistry, 2010, 34, 1603.	1.4	57
54	Tunable Organophosphorus Dopants for Bright White Organic Light-Emitting Diodes with Simple Structures. Advanced Materials, 2009, 21, 1261-1265.	11.1	98

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55	Synthesis, Electronic Properties, and Reactivity of Phospholes and 1,1'-Biphospholes Bearing 2- or 3-Thienyl <i>C</i> -Substituents. <i>Chemistry - A European Journal</i> , 2009, 15, 4914-4924.	1.7	57
56	Synthesis and Spectroelectrochemical Characterization of an Electrochromic Phosphole-EDOT Copolymer: poly([1-phenyl-2,5-bis(2-thienyl)thioxophosphole] <sub>0.14</sub> -co-[3,4-ethylenedioxythiophene] <sub>0.86</sub> ). <i>Polymer Bulletin</i> , 2008, 61, 713-724.	1.7	10
57	Coordination chemistry of phosphole ligands: From supramolecular assemblies to OLEDs. <i>Comptes Rendus Chimie</i> , 2008, 11, 628-640.	0.2	39
58	Synthesis, electronic properties and electropolymerisation of EDOT-capped 1,3-phospholes. <i>Chemical Communications</i> , 2008, , 2200.	2.2	48
59	Functional phosphorus-based $\pi$ -conjugated systems: Structural diversity without multistep synthesis. <i>Pure and Applied Chemistry</i> , 2007, 79, 201-212.	0.9	30
60	An aromatic $\rightarrow$ 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
61	Toward Functional $\pi$ -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
62	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
63	Organophosphorus $\pi$ -conjugated materials: the rise of a new field. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 2482-2487.	0.8	34
64	$\pi$ -Conjugated derivatives containing phosphole rings: synthesis, properties and coordination chemistry. <i>Comptes Rendus Chimie</i> , 2005, 8, 1186-1193.	0.2	15
65	$\pi$ -Conjugated systems: Can phosphole offer more than pyrrole?. <i>Pure and Applied Chemistry</i> , 2005, 77, 2099-2104.	0.9	13
66	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
67	A Study of Mono- and 1,1'-Diphosphoferrocenes as Building Blocks for $\pi$ -Conjugated Systems. <i>Organometallics</i> , 2005, 24, 5369-5376.	1.1	18
68	Connecting $\pi$ -Chromophores by $\sigma$ -P $\rightarrow$ P Bonds: A New Type of Assemblies Exhibiting $\pi$ - $\sigma$ - $\pi$ Conjugation. <i>Journal of the American Chemical Society</i> , 2004, 126, 6058-6063.	6.6	91
69	cis-[Ru(2,2':6''',2''-terpyridine)(DMSO)Cl <sub>2</sub> ]: A Useful Precursor for the Synthesis of Heteroleptic Terpyridine Complexes under Mild Conditions. <i>Inorganic Chemistry</i> , 2004, 43, 4262-4271.	1.9	88
70	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
71	Linear organic $\pi$ -conjugated systems featuring the heavy Group 14 and 15 elements. <i>Coordination Chemistry Reviews</i> , 2003, 244, 1-44.	9.5	324
72	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

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73	Room Temperature Phosphorescence from a Platinum(II) Diimine Bis(pyrenylacetylde) Complex. <i>Inorganic Chemistry</i> , 2003, 42, 1394-1396.	1.9	194
74	Synthesis and Electronic Properties of Alternating $\hat{\pm}, \hat{\pm}^{-}$ -Thiophene-Phosphole Oligomers. <i>Organic Letters</i> , 2003, 5, 3467-3470.	2.4	67
75	New Conjugated $\hat{\pm}$ -Systems Incorporating Phosphole Rings. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2002, 177, 1423-1425.	0.8	4
76	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
77	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
78	Phosphole-Containing $\hat{\pm}$ -Conjugated Systems: From Model Molecules to Polymer Films on Electrodes. <i>Chemistry - A European Journal</i> , 2001, 7, 4222-4236.	1.7	238
79	Toward a Molecular Photochemical Device: $\hat{\pm}$ A Triad for Photoinduced Charge Separation Based on a Platinum Diimine Bis(acetylde) Chromophore. <i>Inorganic Chemistry</i> , 2001, 40, 4510-4511.	1.9	391
80	Electropolymerization of $\hat{\pm}$ -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
81	Platinum diimine complexes: towards a molecular photochemical device. <i>Coordination Chemistry Reviews</i> , 2000, 208, 115-137.	9.5	392
82	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
83	Platinum Diimine Bis(acetylde) Complexes: $\hat{\pm}$ Synthesis, Characterization, and Luminescence Properties. <i>Inorganic Chemistry</i> , 2000, 39, 447-457.	1.9	400
84	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
85	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
86	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
87	Photophysical properties of pyrene-(2,2'-bipyridine) dyads. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 4203-4211.	1.3	80
88	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
89	Synthesis of Functionalized Calix[4]arene Ligands Incorporating BipyridineN,N'-Dioxide Chromophores and Luminescence of Their Lanthanide Complexes. <i>European Journal of Inorganic Chemistry</i> , 1998, 1998, 1959-1965.	1.0	39
90	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

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91	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
92	Synthesis of Polydentate Acyclic and Macrocyclic Polyamine Ligands Bearing 2,2'-Bipyridine or 2,2'-Bipyridine N,N'-Dioxide Moieties. <i>Synthesis</i> , 1998, 1998, 1339-1346.	1.2	13
93	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
94	Intramolecular triplet energy transfer in alkyne-bridged Ru <sup>II</sup> -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