

# Valrie Heitz

## List of Publications by Citations

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100  
papers

4,034  
citations

37  
h-index

61  
g-index

111  
ext. papers

4,274  
ext. citations

8.6  
avg, IF

5.21  
L-index

#	Paper	IF	Citations
100	Rotaxanes as new architectures for photoinduced electron transfer and molecular motions. <i>Chemical Society Reviews</i> , <b>1999</b> , 28, 293-305	58.5	276
99	Design and synthesis of porphyrin-containing catenanes and rotaxanes. <i>Chemical Society Reviews</i> , <b>2009</b> , 38, 422-42	58.5	211
98	Multiporphyrinic cages: architectures and functions. <i>Chemical Reviews</i> , <b>2014</b> , 114, 8542-78	68.1	191
97	Diketopyrrolopyrrole-porphyrin conjugates with high two-photon absorption and singlet oxygen generation for two-photon photodynamic therapy. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 169-73	16.4	180
96	Charge transfer across oblique bisporphyrins: two-center photoactive molecules. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 8657-8663	16.4	142
95	Molecular photosensitisers for two-photon photodynamic therapy. <i>Chemical Communications</i> , <b>2017</b> , 53, 12857-12877	5.8	135
94	Rotaxanes and Catenanes Built Around Octahedral Transition Metals. <i>European Journal of Organic Chemistry</i> , <b>2004</b> , 2004, 1627-1638	3.2	104
93	Ultrafast photoinduced electron transfer between porphyrinic subunits within a bis(porphyrin)-stoppered rotaxane. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 6109-6114	16.4	99
92	Transition metal templated formation of [2]- and [3]-rotaxanes with porphyrins as stoppers. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 12378-12384	16.4	97
91	Long-range electron transfer in porphyrin-containing [2]-rotaxanes: tuning the rate by metal cation coordination. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 4347-62	16.4	95
90	Adjustable receptor based on a [3]rotaxane whose two threaded rings are rigidly attached to two porphyrinic plates: synthesis and complexation studies. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 5609-20	16.4	94
89	Effect of the spacer moiety on the rates of electron transfer within bis-porphyrin-stoppered rotaxanes. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 7419-7425	16.4	91
88	Transition-Metal-Complexed Catenanes and Rotaxanes in Motion: Towards Molecular Machines		90
87	Cyclic [4]rotaxanes containing two parallel porphyrinic plates: toward switchable molecular receptors and compressors. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 633-45	24.3	88
86	A [3]rotaxane with two porphyrinic plates acting as an adaptable receptor. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 4592-3	16.4	83
85	A liquid-crystalline [2]catenane and its copper(I) complex. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 4680-3	16.4	82
84	Copper(I)-assembled [3]rotaxane whose two rings act as flapping wings. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 1802-9	16.4	79

83	Synthesis of a bis-macrocyclic containing two back-to-back rigidly connected 1,10-phenanthroline units as a central core and its incorporation in a handcuff-like catenane. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 7584-94	4.8	77
82	Multiporphyrinic Rotaxanes: Control of Intramolecular Electron Transfer Rate by Steering the Mutual Arrangement of the Chromophores. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 11834-11844	16.4	75
81	Electron Transfer between Mechanically Linked Porphyrins in a [2]Rotaxane. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 11329-11330	16.4	71
80	Templated synthesis of cyclic [4]rotaxanes consisting of two stiff rods threaded through two bis-macrocycles with a large and rigid central plate as spacer. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 6840-50	16.4	70
79	A rotaxane with two rigidly held porphyrins as stoppers. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1992</b> , 1131		69
78	Pathways for photoinduced electron transfer within a mixed-metal bisporphyrin. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 5940-5946		62
77	Octahedral Fe(II) and Ru(II) complexes based on a new bis 1,10-phenanthroline ligand that imposes a well defined axis. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 12215-21	16.4	61
76	Photoinduced electron transfer in multiporphyrinic interlocked structures: the effect of copper(I) coordination in the central site. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 2689-99	4.8	57
75	Intramolecular Electron and Energy Transfer within a Bisporphyrin in a Low-Temperature Glass. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 4982-4989		52
74	A Theranostic Agent Combining a Two-Photon-Absorbing Photosensitizer for Photodynamic Therapy and a Gadolinium(III) Complex for MRI Detection. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 2775-86	4.8	51
73	Templated synthesis of a rotaxane with a [Ru(diimine) <sub>3</sub> ] <sup>2+</sup> core. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 4247-54	4.8	51
72	Transition metal-complexed catenanes and rotaxanes in motion: Towards molecular machines. <i>Inorganic Chemistry Communication</i> , <b>2005</b> , 8, 1063-1074	3.1	51
71	Porphyrin-containing [2]-Rotaxanes: Metal Coordination Enhanced Superexchange Electron Transfer between Noncovalently Linked Chromophores. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 3526-3527	16.4	50
70	Rotaxanes and other transition metal-assembled porphyrin arrays for long-range photoinduced charge separation. <i>Coordination Chemistry Reviews</i> , <b>1998</b> , 178-180, 1299-1312	23.2	49
69	Photoinduced electron transfer in multiporphyrin clusters and rotaxanes. <i>Pure and Applied Chemistry</i> , <b>1993</b> , 65, 2343-2349	2.1	49
68	Porphyrin Rotaxanes and Catenanes: Copper(I)-Templated Synthesis and Photoinduced Processes. <i>Structure and Bonding</i> , <b>2006</b> , 217-261	0.9	48
67	A cyclic [4]rotaxane that behaves as a switchable molecular receptor: formation of a rigid scaffold from a collapsed structure by complexation with copper(I) ions. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 10172-5	16.4	43
66	A functionalized noncovalent macrocyclic multiporphyrin assembly from a dizinc(II) bis-porphyrin receptor and a free-base dipyritylporphyrin. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 5879-87	4.8	43

65	Four Gadolinium(III) Complexes Appended to a Porphyrin: A Water-Soluble Molecular Theranostic Agent with Remarkable Relaxivity Suited for MRI Tracking of the Photosensitizer. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 4545-54	5.1	43
64	Cyclic [2]pseudorotaxane tetramers consisting of two rigid rods threaded through two bis-macrocycles: copper(I)-templated synthesis and X-ray structure studies. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 11013-22	16.4	40
63	A linear multiporphyrinic. <i>Organic Letters</i> , <b>2000</b> , 2, 3051-4	6.2	36
62	Coordination chemistry-assembled porphyrinic catenanes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4409-17	16.4	33
61	Complete rearrangement of a multi-porphyrinic rotaxane by metallation–demetallation of the central coordination site. <i>Chemical Communications</i> , <b>1998</b> , 2469-2470	5.8	32
60	Templated synthesis of a large and flexible covalent porphyrinic cage bearing orthogonal recognition sites. <i>Chemical Communications</i> , <b>2012</b> , 48, 5118-20	5.8	31
59	Transition-metal-complexed cyclic [3]- and [4]pseudorotaxanes containing rigid ring-and-filament conjugates: synthesis and solution studies. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 5404-14	4.8	29
58	From chemical topology to molecular machines. <i>Comptes Rendus Chimie</i> , <b>2010</b> , 13, 315-328	2.7	29
57	Intramolecular Energy Transfer in Bis-porphyrins Containing Diimine Chelates of Variable Geometry as Spacers. <i>Chemistry - A European Journal</i> , <b>1999</b> , 5, 2089-2100	4.8	28
56	Extended diketopyrrolopyrrole-porphyrin arrays: one- and two-photon photophysical investigations and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 21954-65	3.6	26
55	An unsymmetrical gold (III) - Zinc (II) oblique bis-porphyrin. <i>Tetrahedron Letters</i> , <b>1991</b> , 32, 197-198	2	26
54	A Liquid-Crystalline [2]Catenane and Its Copper(I) Complex. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 4764-4767	3.6	24
53	A porphyrin rigidly linked to one or two terpyridine chelates used as assembling subunits. <i>Tetrahedron Letters</i> , <b>1991</b> , 32, 5977-5980	2	24
52	A Porphyrin Coordination Cage Assembled from Four Silver(I) Triazolyl-Pyridine Complexes. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 15339-48	4.8	23
51	A Porphyrin Dimer-GdDOTA Conjugate as a Theranostic Agent for One- and Two-Photon Photodynamic Therapy and MRI. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 3726-3738	6.3	23
50	Control of the cavity size of flexible covalent cages by silver coordination to the peripheral binding sites. <i>Chemical Communications</i> , <b>2015</b> , 51, 13181-4	5.8	21
49	Three-component noncovalent assembly consisting of a central tetrakis-4-pyridyl porphyrin and two lateral gable-like bis-Zn porphyrins. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 8263-70	5.1	21
48	Copper(I)-induced threading of two bis-macrocycles on two rods: a cyclic [4]rotaxane. <i>New Journal of Chemistry</i> , <b>2006</b> , 30, 1386	3.6	21

47	A [2]-catenane whose rings incorporate two differently metallated porphyrins. <i>New Journal of Chemistry</i> , <b>2001</b> , 25, 790-796	3.6	20
46	Quantitative formation of a tetraporphyrin [2]catenane via copper and zinc coordination. <i>Chemical Communications</i> , <b>2008</b> , 5396-8	5.8	19
45	Chemically Induced Breathing of Flexible Porphyrinic Covalent Cages. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 5845-5851	4.2	17
44	Transition-metal-complexed catenanes and rotaxanes: from dynamic systems to functional molecular machines. <i>Topics in Current Chemistry</i> , <b>2014</b> , 354, 35-70		17
43	DEPOSITION OF LARGE ORGANIC MOLECULES IN ULTRA-HIGH VACUUM: A COMPARISON BETWEEN THERMAL SUBLIMATION AND PULSE-INJECTION. <i>International Journal of Nanoscience</i> , <b>2004</b> , 03, 331-341	0.6	16
42	Positive Allosteric Control of Guests Encapsulation by Metal Binding to Covalent Porphyrin Cages. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 1481-1487	4.8	14
41	Tumour-targeting photosensitisers for one- and two-photon activated photodynamic therapy. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 6585-6594	3.9	13
40	Unusual photoinduced electron transfer from a zinc porphyrin to a tetrapyrrolyl free-base porphyrin in a noncovalent multiporphyrin array. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 8748-56	4.8	13
39	Synthesis and solution studies of silver(I)-assembled porphyrin coordination cages. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 9979-90	4.8	12
38	Porphyrin-based catenanes and rotaxanes. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2008</b> , 12, 881-905	1.8	12
37	A 1,10-Phenanthroline-Containing Ring Connected to a Porphyrin by a Rigid Aromatic Spacer and Its Copper-Complexed Pseudorotaxane. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 2416-2419	2.3	12
36	Extended porphyrin dimers as efficient near-infrared emitters and two-photon absorbers. <i>Supramolecular Chemistry</i> , <b>2017</b> , 29, 769-775	1.8	11
35	Frontispiece: Positive Allosteric Control of Guests Encapsulation by Metal Binding to Covalent Porphyrin Cages. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25,	4.8	10
34	Bis-Porphyrins Containing Diimine Chelates of Variable Geometry as Spacer. <i>Tetrahedron Letters</i> , <b>1995</b> , 36, 9321-9324	2	10
33	Multifunctional cubic liquid crystalline nanoparticles for chemo- and photodynamic synergistic cancer therapy. <i>Photochemical and Photobiological Sciences</i> , <b>2020</b> , 19, 674-680	4.2	10
32	Interpretation of Experimental Soret Bands of Porphyrins in Flexible Covalent Cages and in Their Related Ag(I) Fixed Complexes. <i>Journal of Physical Chemistry C</i> , <b>2019</b> ,	3.8	9
31	NIR dual luminescence from an extended porphyrin. Spectroscopy, photophysics and theory. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 3616-24	2.8	9
30	Near-infrared dual luminescence from an extended zinc porphyrin. <i>Chemical Communications</i> , <b>2012</b> , 48, 1021-3	5.8	9

29	Various Synthetic Routes to a Gable-Like Bis(porphyrin) Constructed on a 1,10-Phenanthroline Chelate. <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 2801-2805	3.2	9
28	Synthesis of a Linear Assembly Consisting of a Central Ru(Phen) <sub>3</sub> <sup>2+</sup> Derivative and Two Peripheral Porphyrins. <i>European Journal of Organic Chemistry</i> , <b>2002</b> , 2002, 3276-3280	3.2	9
27	A chemically-responsive bis-acridinium receptor. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 4728-4734	3.6	8
26	Formation of copper(I)-templated [2]rotaxanes using click methodology: influence of the base, the thread and the catalyst. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2011</b> , 71, 507-515		8
25	The dual role of Cu(I) as a protective group and a template in the synthesis of a tetra-rhodium(III)porphyrin [2]catenane. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 1825	3.6	8
24	Molecular Recognition by Chalcogen Bond: Selective Charge-Transfer Crystal Formation of Dimethylnaphthalene with Selenadiazolotetracyanonaphthoquinodimethane. <i>European Journal of Organic Chemistry</i> , <b>2021</b> , 2021, 990-997	3.2	8
23	Coordination chemistry-assembled multicomponent systems built from a gable-like bis-porphyrin: synthesis and photophysical properties. <i>Photochemistry and Photobiology</i> , <b>2014</b> , 90, 275-86	3.6	6
22	NIR emission of cyclic [4]rotaxanes containing extended porphyrin chromophores. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 10589-94	3.6	6
21	Entwined dimer formation from self-complementary bis-acridiniums. <i>Chemical Communications</i> , <b>2018</b> , 54, 10966-10969	5.8	6
20	A Zinc Porphyrin Bearing Two Lateral dpp-Containing Rings and Its [3]Pseudorotaxane (dpp: 2,9-diphenyl-1,10-phenanthroline). <i>European Journal of Organic Chemistry</i> , <b>2009</b> , 2009, 2795-2800	3.2	5
19	A Bis-Acrinium Macrocyclic as Multi-Responsive Receptor and Selective Phase-Transfer Agent of Perylene. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 23206-23212	16.4	5
18	Allosteric Control of Naphthalene Diimide Encapsulation and Electron Transfer in Porphyrin Containers: Photophysical Studies and Molecular Dynamics Simulation. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 17514-17524	4.8	5
17	Synthesis and In Vitro Studies of a Gd(DOTA)-Porphyrin Conjugate for Combined MRI and Photodynamic Treatment. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 14389-14398	5.1	5
16	Cu(I)/Zn <sup>2+</sup> exchange has no geometrical effect in a cyclic [4]rotaxane whereas it induces rearrangement in a simpler [3]rotaxane. <i>Inorganica Chimica Acta</i> , <b>2014</b> , 417, 186-191	2.7	4
15	Efficient synthesis and Suzuki cross-coupling reactions of meso-tetrakis(2,6-dimethyl-4-triflyloxyphenyl)porphyrin. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 333-337	2	4
14	Dramatic effect of the porphyrinic metal on the conformation of a two-ring threaded system. <i>Chemical Communications</i> , <b>1999</b> , 2419-2420	5.8	4
13	Transition Metal-Directed Threading and Knotting Processes <b>1994</b> , 371-390		4
12	A Bis-Acrinium Macrocyclic as Multi-Responsive Receptor and Selective Phase-Transfer Agent of Perylene. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 23406-23412	3.6	4

11	Self-complementary and narcissistic self-sorting of bis-acridinium tweezers. <i>Dalton Transactions</i> , <b>2019</b> , 48, 8725-8730	4.3	3
10	Photophysical properties of porphyrinic covalent cages endowed with different flexible linkers. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2019</b> , 23, 841-849	1.8	3
9	A noncovalently assembled porphyrinic catenane consisting of two interlocking [43]-membered rings. <i>New Journal of Chemistry</i> , <b>2011</b> , 35, 1751	3.6	3
8	N-Substituted Acridinium as a Multi-Responsive Recognition Unit in Supramolecular Chemistry. <i>ChemPlusChem</i> , <b>2021</b> , 86, 110-129	2.8	3
7	Highlight on the solution processes occurring on silver(i)-assembling porphyrins in the presence of an excess of silver salt. <i>Dalton Transactions</i> , <b>2017</b> , 46, 9375-9381	4.3	2
6	A flexible bis-Co(III) porphyrin cage as a bimetallic catalyst for the conversion of CO <sub>2</sub> and epoxides into cyclic carbonates. <i>ChemCatChem</i> , <b>2020</b> , 12, 5826-5833	5.2	2
5	Synthesis of one-dimensional bis-porphyrinic compounds with a transition metal complex as bridging unit. <i>Journal of Porphyrins and Phthalocyanines</i> , <b>2004</b> , 08, 82-92	1.8	1
4	Solid-State Assembly by Chelating Chalcogen Bonding in Quinodimethane Tetraesters Fused with a Chalcogenadiazole.. <i>ChemPlusChem</i> , <b>2022</b> , 87, e202200075	2.8	0
3	Photoinduced Electron Transfer in Bis-Porphyrin-Stoppered [2]-Rotaxanes <b>1995</b> , 215-234		
2	Rotaxanes and Catenanes in Action <b>1996</b> , 1-8		
1	Synthesis, electronic and photophysical properties of a bisacridinium-Zn(II) porphyrin conjugate. <i>Comptes Rendus Chimie</i> , <b>2021</b> , 24, 1-9	2.7	