

Kenneth WÃrnmark

List of Publications by Year in descending order

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66
papers

3,398
citations

136950

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all docs

70
docs citations

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times ranked

2743
citing authors

#	ARTICLE	IF	CITATIONS
1	Counterintuitive Electrostatics upon Metal Ion Coordination to a Receptor with Two Homotopic Binding Sites. <i>Journal of the American Chemical Society</i> , 2022, 144, 2921-2932.	13.7	3
2	The long-awaited synthesis and self-assembly of a small rigid C_3 -symmetric triactam. <i>Chemical Communications</i> , 2022, 58, 3751-3754.	4.1	1
3	High turnover photocatalytic hydrogen formation with an Fe(η^5 -N-heterocyclic carbene) photosensitizer. <i>Chemical Communications</i> , 2022, 58, 5351-5354.	4.1	14
4	Photofunctionality of iron(III) N-heterocyclic carbenes and related d transition metal complexes. <i>Coordination Chemistry Reviews</i> , 2021, 426, 213517.	18.8	44
5	Experimental and Computational Models for Side Chain Discrimination in Peptide-Protein Interactions. <i>Chemistry - A European Journal</i> , 2021, 27, 10883-10897.	3.3	6
6	Microsecond Photoluminescence and Photoreactivity of a Metal-Centered Excited State in a Hexacarbene-Co(III) Complex. <i>Journal of the American Chemical Society</i> , 2021, 143, 1307-1312.	13.7	50
7	Resonant X-ray photo-oxidation of light-harvesting iron (II/III) N-heterocyclic carbene complexes. <i>Scientific Reports</i> , 2021, 11, 22144.	3.3	1
8	Dye-sensitized solar cells based on Fe N-heterocyclic carbene photosensitizers with improved rod-like push-pull functionality. <i>Chemical Science</i> , 2021, 12, 16035-16053.	7.4	17
9	Hot Branching Dynamics in a Light-Harvesting Iron Carbene Complex Revealed by Ultrafast X-ray Emission Spectroscopy. <i>Angewandte Chemie</i> , 2020, 132, 372-380.	2.0	14
10	Hot Branching Dynamics in a Light-Harvesting Iron Carbene Complex Revealed by Ultrafast X-ray Emission Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 364-372.	13.8	41
11	Enantiotopic Discrimination by Coordination-Desymmetrized <i>meso</i> -Ligands. <i>ChemCatChem</i> , 2020, 12, 1575-1579.	3.7	1
12	A Stable Homoleptic Organometallic Iron(IV) Complex. <i>Chemistry - A European Journal</i> , 2020, 26, 12728-12732.	3.3	21
13	Photophysics and Photochemistry of Iron Carbene Complexes for Solar Energy Conversion and Photocatalysis. <i>Catalysts</i> , 2020, 10, 315.	3.5	52
14	Asymmetric Ring-Opening of Epoxides Catalyzed by Metal-Salen Complexes. <i>Catalysts</i> , 2020, 10, 705.	3.5	19
15	Vibrational wavepacket dynamics in Fe carbene photosensitizer determined with femtosecond X-ray emission and scattering. <i>Nature Communications</i> , 2020, 11, 634.	12.8	75
16	Design and Synthesis of Photoactive Iron N-Heterocyclic Carbene Complexes. <i>Catalysts</i> , 2020, 10, 132.	3.5	38
17	Site-Selective Orbital Interactions in an Ultrathin Iron-Carbene Photosensitizer Film. <i>Journal of Physical Chemistry A</i> , 2020, 124, 1603-1609.	2.5	12
18	Tracing the Full Bimolecular Photocycle of Iron(III)-Carbene Light Harvesters in Electron-Donating Solvents. <i>Journal of the American Chemical Society</i> , 2020, 142, 8565-8569.	13.7	34

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19	HERFD-XANES probes of electronic structures of iron ^{II/III} carbene complexes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9067-9073.	2.8	6
20	Finding intersections between electronic excited state potential energy surfaces with simultaneous ultrafast X-ray scattering and spectroscopy. <i>Chemical Science</i> , 2019, 10, 5749-5760.	7.4	90
21	Band-selective dynamics in charge-transfer excited iron carbene complexes. <i>Faraday Discussions</i> , 2019, 216, 191-210.	3.2	12
22	Luminescence and reactivity of a charge-transfer excited iron complex with nanosecond lifetime. <i>Science</i> , 2019, 363, 249-253.	12.6	249
23	Solvent control of charge transfer excited state relaxation pathways in [Fe(2,2'-bipyridine)(CN) ₄] ²⁺ . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4238-4249.	2.8	52
24	Fe ^{II} Hexa <i>N</i> -Heterocyclic Carbene Complex with a 528 ps Metal-to-Ligand Charge-Transfer Excited-State Lifetime. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 459-463.	4.6	151
25	Tracking the picosecond deactivation dynamics of a photoexcited iron carbene complex by time-resolved X-ray scattering. <i>Chemical Science</i> , 2018, 9, 405-414.	7.4	49
26	Frontispiece: A Tautoleptic Approach to Chiral Hydrogen-Bonded Supramolecular Tubular Polymers with Large Cavity. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
27	A Tautoleptic Approach to Chiral Hydrogen-Bonded Supramolecular Tubular Polymers with Large Cavity. <i>Chemistry - A European Journal</i> , 2018, 24, 14028-14033.	3.3	10
28	Influence of Quantum Interference on the Thermoelectric Properties of Molecular Junctions. <i>Nano Letters</i> , 2018, 18, 5666-5672.	9.1	93
29	Stimuli-controlled self-assembly of diverse tubular aggregates from one single small monomer. <i>Nature Communications</i> , 2017, 8, 14943.	12.8	28
30	Electronic structure and excited state properties of iron carbene photosensitizers – A combined X-ray absorption and quantum chemical investigation. <i>Chemical Physics Letters</i> , 2017, 683, 559-566.	2.6	14
31	Ligand manipulation of charge transfer excited state relaxation and spin crossover in [Fe(2,2'-bipyridine) ₂ (CN) ₂]. <i>Structural Dynamics</i> , 2017, 4, 044030.	2.3	41
32	A low-spin Fe(III) complex with 100-ps ligand-to-metal charge transfer photoluminescence. <i>Nature</i> , 2017, 543, 695-699.	27.8	287
33	Manipulating charge transfer excited state relaxation and spin crossover in iron coordination complexes with ligand substitution. <i>Chemical Science</i> , 2017, 8, 515-523.	7.4	102
34	Molecular and Interfacial Calculations of Iron(II) Light Harvesters. <i>ChemSusChem</i> , 2016, 9, 667-675.	6.8	36
35	Molecular and Interfacial Calculations of Iron(II) Light Harvesters. <i>ChemSusChem</i> , 2016, 9, 652-652.	6.8	1
36	An Enantiopure Hydrogen-Bonded Octameric Tube: Self-Sorting and Guest-Induced Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 208-212.	13.8	24

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37	Synthesis of Cr(III) Salen Complexes as Supramolecular Catalytic Systems for Ring-Opening Reactions of Epoxides. <i>ChemistrySelect</i> , 2016, 1, 1789-1794.	1.5	4
38	Femtosecond X-Ray Scattering Study of Ultrafast Photoinduced Structural Dynamics in Solvated $\text{Co}(\text{TPP})_2$. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 6359.	7.8	86
39	Fe(II)-Heterocyclic Carbene Complexes as Promising Photosensitizers. <i>Accounts of Chemical Research</i> , 2016, 49, 1477-1485.	15.6	197
40	Inside Back Cover: A Heteroleptic Ferrous Complex with Mesoionic Bis(1,2,3-triazol-5-ylidene) Ligands: Taming the MLCT Excited State of Iron(II) (<i>Chem. Eur. J.</i> 9/2015). <i>Chemistry - A European Journal</i> , 2015, 21, 3831-3831.	3.3	1
41	Visualizing the non-equilibrium dynamics of photoinduced intramolecular electron transfer with femtosecond X-ray pulses. <i>Nature Communications</i> , 2015, 6, 6359.	12.8	134
42	A Remarkably Complex Supramolecular Hydrogen-Bonded Decameric Capsule Formed from an Enantiopure C_2 -Symmetric Monomer by Solvent-Responsive Aggregation. <i>Journal of the American Chemical Society</i> , 2015, 137, 10536-10546.	13.7	17
43	A Double Conformationally Restricted Dynamic Supramolecular System for the Substrate-Selective Epoxidation of Olefins—A Comparative Study on the Influence of Preorganization. <i>ChemCatChem</i> , 2015, 7, 333-348.	3.7	3
44	Resolution and Determination of the Absolute Configuration of a Twisted Bis-Lactam Analogue of Tröger's Base: A Comparative Spectroscopic and Computational Study. <i>Journal of Organic Chemistry</i> , 2015, 80, 8142-8149.	3.2	11
45	Iron sensitizer converts light to electrons with 92% yield. <i>Nature Chemistry</i> , 2015, 7, 883-889.	13.6	193
46	A Protocol for the <i>exo</i> -Mono and <i>exo</i> , <i>exo</i> -Bis Functionalization of the Diazocine Ring of Tröger's Base. <i>Journal of Organic Chemistry</i> , 2015, 80, 12006-12014.	3.2	5
47	A Heteroleptic Ferrous Complex with Mesoionic Bis(1,2,3-triazol-5-ylidene) Ligands: Taming the MLCT Excited State of Iron(II). <i>Chemistry - A European Journal</i> , 2015, 21, 3628-3639.	3.3	132
48	Probing the Anisotropic Distortion of Photoexcited Spin Crossover Complexes with Picosecond X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4536-4545.	3.1	44
49	Exceptional Excited-State Lifetime of an Iron(II)-Heterocyclic Carbene Complex Explained. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2066-2071.	4.6	125
50	Toward Highlighting the Ultrafast Electron Transfer Dynamics at the Optically Dark Sites of Photocatalysts. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1972-1976.	4.6	49
51	Towards longer-lived metal-to-ligand charge transfer states of iron(ii) complexes: an N-heterocyclic carbene approach. <i>Chemical Communications</i> , 2013, 49, 6412.	4.1	217
52	Synthetic and crystallographic studies of bicyclo[3.3.1]nonane derivatives: from strong to weak hydrogen bonds and the stereochemistry of network formation. <i>CrystEngComm</i> , 2012, 14, 178-187.	2.6	11
53	The 125 th Anniversary of the Tröger's Base Molecule: Synthesis and Applications of Tröger's Base Analogues. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 7015-7041.	2.4	130
54	Pseudo- C_2 -Symmetric Bimetallic Bissalen Catalysts for Efficient and Enantioselective Ring-Opening of <i>meso</i> -Epoxides. <i>ChemCatChem</i> , 2012, 4, 1321-1329.	3.7	7

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55	Inside Cover: Twisted Amide Analogues of Tröger's Base (Chem. Eur. J. 4/2012). Chemistry - A European Journal, 2012, 18, 1010-1010.	3.3	0
56	Topology Selection and Tautoleptic Aggregation: Formation of an Enantiomerically Pure Supramolecular Belt over a Helix. Angewandte Chemie - International Edition, 2011, 50, 2071-2074.	13.8	25
57	Dynamic Supramolecular [(Salen)CrCl] Complexes as Efficient Catalysts for Ring Opening of Epoxides. ChemCatChem, 2010, 2, 629-632.	3.7	8
58	Mechanoassisted Supramolecular Catalysis in Solid State Synthesis. ChemCatChem, 2010, 2, 1059-1060.	3.7	6
59	Chirality, a never-ending source of confusion. Zeitschrift für Kristallographie, 2009, 224, .	1.1	12
60	Network analysis of bicyclo[3.3.1]nonanes: the diol, the dione and the acetal. CrystEngComm, 2009, 11, 1837.	2.6	12
61	On the Characterization of Dynamic Supramolecular Systems: A General Mathematical Association Model for Linear Supramolecular Copolymers and Application on a Complex Two-Component Hydrogen-Bonding System. Chemistry - A European Journal, 2007, 13, 9617-9636.	3.3	22
62	An Approach to Helical Tubular Self-Aggregation Using C ₂ -Symmetric Self-Complementary Hydrogen-Bonding Cavity Molecules. Journal of the American Chemical Society, 2006, 128, 8272-8285.	13.7	60
63	Introduction of Aromatic and Heteroaromatic Groups in the 2- and 8-Positions of the Tröger's Base Core by Suzuki, Stille and Negishi Cross-Coupling Reactions - A Comparative Study. European Journal of Organic Chemistry, 2005, 2005, 3510-3517.	2.4	38
64	Synthesis of Dihalo-Substituted Analogues of Tröger's Base from ortho- and meta-Substituted Anilines. European Journal of Organic Chemistry, 2003, 2003, 3179-3188.	2.4	57
65	Influence of scale, stoichiometry and temperature on the synthesis of 2,8-dihalo analogues of tröger's base from the corresponding anilines and paraformaldehyde. Journal of Heterocyclic Chemistry, 2003, 40, 373-375.	2.6	37
66	A bis(crown-ether) analogue of Tröger's base: Recognition of achiral and chiral primary bisammonium salts. Tetrahedron Letters, 1998, 39, 4565-4568.	1.4	54