Soren K Mellerup

List of Publications by Year
in descending order

42 papers	1,716 citations	257450 24 h-index	289244 40 g-index
50 all docs	50 docs citations	50 times ranked	1445 citing authors

#	Article	IF	Citations
1	Boron-based stimuli responsive materials. Chemical Society Reviews, 2019, 48, 3537-3549.	38.1	349
2	Boron-Doped Molecules for Optoelectronics. Trends in Chemistry, 2019, 1, 77-89.	8.5	152
3	Inâ€...Situ Solidâ€State Generation of (BN)₂â€Pyrenes and Electroluminescent Devices. Angewandte Chemie - International Edition, 2015, 54, 15074-15078.	13.8	105
4	A simple multi-responsive system based on aldehyde functionalized amino-boranes. Chemical Science, 2018, 9, 1902-1911.	7.4	99
5	Substituent Directed Phototransformations of BN-Heterocycles: Elimination vs Isomerization via Selective Bâ€“C Bond Cleavage. Journal of the American Chemical Society, 2016, 138, 11513-11516.	13.7	72
6	Regioselective Photoisomerization/Câˆ'C Bond Formation of Asymmetric B(ppy)(Mes)(Ar): The Role of the Aryl Groups on Boron. Angewandte Chemie - International Edition, 2017, 56, 6093-6097.	13.8	71
7	Spiro-BODIPYs with a Diaryl Chelate: Impact on Aggregation and Luminescence. Journal of Organic Chemistry, 2017, 82, 13481-13487.	3.2	64
8	Pyridyl Directed Catalyst-Free trans-Hydroboration of Internal Alkynes. Organic Letters, 2016, 18, 720-723.	4.6	53
9	Reversible 1,1â€Hydroboration: Boryl Insertion into a Cï£¿N Bond and Competitive Elimination of HBR₂ or Rï£¿H. Angewandte Chemie - International Edition, 2015, 54, 5498-5501.	13.8	52
10	Donorâ€Appended N,Câ€Chelate Organoboron Compounds: Influence of Donor Strength on Photochromic Behaviour. Chemistry - A European Journal, 2016, 22, 12464-12472.	3.3	44
11	Stimuli-Responsive B/N Lewis Pairs Based on the Modulation of Bâ€“N Bond Strength. Organic Letters, 2018, 20, 6467-6470.	4.6	44
12	1,1-Hydroboration of Fused Azoleâ€“Isoindole Analogues as an Approach for Construction of B,N-Heterocycles and Azole-Fused B,N-Naphthalenes. Organic Letters, 2016, 18, 1626-1629.	4.6	39
13	Reversible Photoisomerization from Borepin to Boratanorcaradiene and Double Aryl Migration from Boron to Carbon. Angewandte Chemie - International Edition, 2019, 58, 6683-6687.	13.8	38
14	One-Pot Synthesis of Brightly Fluorescent Mes₂B-Functionalized Indolizine Derivatives via Cycloaddition Reactions. Organic Letters, 2015, 17, 2486-2489.	4.6	36
15	Dâˆ'Ï€â€“A Triarylboranes as Reversible Fluorescent Probes for CO2 and Temperature. Organic Letters, 2019, 21, 2838-2842.	4.6	36
16	Photochemical Generation of Chiral N,B,Xâ€Heterocycles by Heteroaromatic Câˆ'X Bond Scission (X=S, O) and Boron Insertion. Angewandte Chemie - International Edition, 2018, 57, 9634-9639.	13.8	33
17	Stabilising fleeting intermediates of stilbene photocyclization with amino-borane functionalisation: the rare isolation of persistent dihydrophenanthrenes and their [1,5] H-shift isomers. Chemical Science, 2018, 9, 3844-3855.	7.4	32
18	Thermal and Photolytic Transformation of NHCâ€“B,Nâ€Heterocycles: Controlled Generation of Blue Fluorescent 1,3â€Azaborinine Derivatives and 1Hâ€imidazo[1,2â€a]indoles by External Stimuli. Chemistry - A European Journal, 2015, 21, 13961-13970.	3.3	31

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19	Regioselektive Photoisomerisierung/Câ€Câ€Bindungsbildung von asymmetrischem B(ppy)(Mes)(Ar): die Rolle von Arylgruppen am Boratom. Angewandte Chemie, 2017, 129, 6189-6193.	2.0	30
20	Aryl Insertion vs Arylâ€“Aryl Coupling in C,C-Chelated Organoborates: The â€œMissing Linkâ€•of Tetraarylborate Photochemistry. Organic Letters, 2018, 20, 3966-3970.	4.6	29
21	Identifying (BN)₂-pyrenes as a New Class of Singlet Fission Chromophores: Significance of Azaborine Substitution. Journal of Physical Chemistry Letters, 2018, 9, 2919-2927.	4.6	28
22	Tuning the Colors of the Dark Isomers of Photochromic Boron Compounds with Fluoride Ions: Four-State Color Switching. Organic Letters, 2016, 18, 4436-4439.	4.6	27
23	Triplet Energy and Ï€-Conjugation Effects on Photoisomerization of Chiral N,C-Chelate Organoborons with PAH Substituents. Organic Letters, 2017, 19, 3851-3854.	4.6	24
24	Isomerization and rearrangement of boriranes: from chemical rarities to functional materials. Science China Materials, 2018, 61, 1249-1256.	6.3	18
25	Lanthanide Complexes with Photochromic Organoboron Ligand: Synthesis and Luminescence Study. Inorganic Chemistry, 2018, 57, 10040-10049.	4.0	18
26	Experimental Evidence for a Triplet Biradical Excited-State Mechanism in the Photoreactivity of N,C-Chelate Organoboron Compounds. Journal of Physical Chemistry A, 2018, 122, 9267-9274.	2.5	14
27	Divergent and Multiâ€Stage Photoisomerization of Fourâ€Coordinated Boron Compounds with a Naphthylâ€Pyridyl/Thiazolyl Backbone. Chemistry - A European Journal, 2020, 26, 12403-12410.	3.3	14
28	Reversible Photoisomerization from Borepin to Boratanorcaradiene and Double Aryl Migration from Boron to Carbon. Angewandte Chemie, 2019, 131, 6755-6759.	2.0	13
29	Controlling Isomerization Selectivity in Chiral, Photochromic N,C-Chelate Organoboron Systems with Extended Ï€-Conjugation. Journal of Organic Chemistry, 2018, 83, 11970-11977.	3.2	12
30	Triaryl-Boron Functionalized Dinuclear Platinum Complexes Linked by Photoisomerizable Bpe Ligand: Luminescence and Isomerism. Inorganic Chemistry, 2017, 56, 12783-12794.	4.0	11
31	Transforming benzylideneamine N,C-chelate boron compounds to BN-cycloocta-/cyclohepta-trienes bearing a tetrasubstituted Bî€N unit via photoisomerization. Chemical Communications, 2018, 54, 8245-8248.	4.1	10
32	Accessing Two-Stage Regioselective Photoisomerization in Unsymmetrical N,C-Chelate Organoboron Compounds: Reactivity of B(ppz)(Mes)Ar. Organometallics, 2018, 37, 3360-3367.	2.3	9
33	Highly Stable Eu(III) and Tb(III) Complexes Based on Triarylboraneâ€Functionalized Cyclen Derivatives as Visual Temperature Probes and Whiteâ€Light Emitters. Advanced Optical Materials, 2016, 4, 1882-1892.	7.3	7
34	Photochemical Generation of Chiral N,B,Xâ€Heterocycles by Heteroaromatic Câ^'X Bond Scission (X=S, O) and Boron Insertion. Angewandte Chemie, 2018, 130, 9782-9787.	2.0	7
35	Binding Modes and Reactivity of Pyrido[2,1-a]isoindole as a Neutral Carbon Donor with Main-Group and Transition-Metal Elements. Organometallics, 2017, 36, 4054-4060.	2.3	5
36	Unusual Fragmentation and Transformation of an Nâ€Heterocyclic Carbene by a Stable Phosphoniumâ€“Borane periâ€Functionalized Naphthalene. Chemistry - A European Journal, 2016, 22, 2473-2480.	3.3	2

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37	Impact of intramolecular H bond and n-Ï€* interactions on photophysical and CO2 sensing properties of laterally appended D-Ï€-A triarylboron compounds. Tetrahedron, 2019, 75, 809-816.	1.9	2
38	Formation of an air-stable diborane via a stepwise BH3 addition of pyrido[1,2-a]isoindole with H2 evolution. Chemical Communications, 2021, 57, 9882-9885.	4.1	1
39	Thermal and Photolytic Transformation of NHCâ€“B,Nâ€Heterocycles: Controlled Generation of Blue Fluorescent 1,3â€Azaborinine Derivatives and 1â€‰Hâ€imidazo[1,2â€a]indoles by External Stimuli. Chemistry - A European Journal, 2015, 21, 13829-13829.	3.3	0
40	Innentitelbild: Reversible 1,1-Hydroborierung: Borylinsertion in eine C-N-Bindung und konkurrierende Eliminierung von entweder HBR2 oder R-H (Angew. Chem. 18/2015). Angewandte Chemie, 2015, 127, 5352-5352.	2.0	0
41	Frontispiz: Photochemical Generation of Chiral N,B,X-Heterocycles by Heteroaromatic Câ^'X Bond Scission (X=S, O) and Boron Insertion. Angewandte Chemie, 2018, 130, .	2.0	0
42	Frontispiece: Photochemical Generation of Chiral N,B,X-Heterocycles by Heteroaromatic Câ^'X Bond Scission (X=S, O) and Boron Insertion. Angewandte Chemie - International Edition, 2018, 57, .	13.8	0