

Kai Schwedtmann

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

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623188

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Direct conversion of white phosphorus to versatile phosphorus transfer reagents via oxidative ionation. <i>Nature Chemistry</i> , 2022, 14, 384-391.	6.6	31
2	Flowers of the plant genus <i>Hypericum</i> as versatile photoredox catalysts. <i>Green Chemistry</i> , 2021, 23, 881-888.	4.6	13
3	A convenient access to fluorophosphonium triflate salts by electrophilic fluorination and anion exchange. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2854-2864.	3.0	7
4	Design and Synthesis of Novel Symmetric Fluorene-2,7-Diamine Derivatives as Potent Hepatitis C Virus Inhibitors. <i>Pharmaceuticals</i> , 2021, 14, 292.	1.7	2
5	Pyrazolyl-substituted Phosphorus(III) compounds in synthesis. <i>Coordination Chemistry Reviews</i> , 2021, 436, 213829.	9.5	1
6	Bifunctional Fluorophosphonium Triflates as Intramolecular Frustrated Lewis Pairs: Reversible CO ₂ Sequestration and Binding of Carbonyls, Nitriles and Acetylenes. <i>Chemistry - A European Journal</i> , 2021, 27, 13709-13714.	1.7	9
7	Coordination of trivalent lanthanum and cerium, and tetravalent cerium and actinides (An = Th(IV), Tj ETQq1 1 0.784314 rgBT /Overlo Transactions, 2021, 50, 3550-3558.	1.6	7
8	Manipulating Estrogenic/Anti-Estrogenic Activity of Triphenylethylenes towards Development of Novel Anti-Neoplastic SERMs. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12575.	1.8	3
9	P ⁺ P Condensation and P ⁺ N/P ⁺ P Bond Metathesis: Facile Synthesis of Cationic Tri ⁺ and Tetraphosphanes. <i>Angewandte Chemie</i> , 2020, 132, 3613-3619.	1.6	4
10	P ⁺ P Condensation and P ⁺ N/P ⁺ P Bond Metathesis: Facile Synthesis of Cationic Tri ⁺ and Tetraphosphanes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3585-3591.	7.2	14
11	Coordination Chemistry and Methylation of Mixed ⁺ Substituted Tetraphosphetanes (RP ⁺ t Bu) ₂ (R=Ph, Py) Tj ETQq1,1 0.784314 rgB Transactions, 2020, 49, 1891-1896.	1.7	6
12	Coordination Chemistry and Methylation of Mixed ⁺ Substituted Tetraphosphetanes (RP ⁺ t Bu) ₂ (R=Ph, Py). <i>Chemistry - A European Journal</i> , 2020, 26, 11734-11741.	1.7	6
13	Facile synthesis of tellurium nano- and microstructures by trace HCl in ionic liquids. <i>Dalton Transactions</i> , 2020, 49, 1891-1896.	1.6	9
14	Innentitelbild: P ⁺ P Condensation and P ⁺ N/P ⁺ P Bond Metathesis: Facile Synthesis of Cationic Tri ⁺ and Tetraphosphanes (Angew. Chem. 9/2020). <i>Angewandte Chemie</i> , 2020, 132, 3366-3366.	1.6	0
15	Toward N,P-Doped π -Extended PAHs: A One-Pot Synthesis to Diannulated 1,4,2-Diazaphospholium Triflate Salts. <i>Journal of Organic Chemistry</i> , 2020, 85, 14420-14434.	1.7	3
16	Functionalization of Pentaphosphorus Cations by Complexation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18584-18590.	7.2	13
17	Amido Silicon Chalcogenide Compounds with Unprecedented Cluster Cores and Low Oxidation State Silicon Atoms. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4719-4726.	1.0	12
18	Formation of an imidazoliumyl-substituted [(L _C) ₄ P ₄] ⁴⁺ tetracation and transition metal mediated fragmentation and insertion reaction (L _C = NHC). <i>Chemical Science</i> , 2019, 10, 6868-6875.	3.7	20

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19	1,3- Δ Diphosphacyclobutene Cobalt Complexes. Chemistry - A European Journal, 2019, 25, 6180-6188.	1.7	7
20	Functionalization of Pentaphosphorus Cations by Complexation. Angewandte Chemie, 2019, 131, 18757-18763.	1.6	3
21	Controlled scrambling reactions to polyphosphanes <i>via</i> bond metathesis reactions. Chemical Science, 2019, 10, 11054-11063.	3.7	10
22	Recent Advances in Imidazolium-Substituted Phosphorus Compounds. Chemistry - an Asian Journal, 2018, 13, 1388-1405.	1.7	41
23	Understanding the Chemical Reactivity of Phosphonium-Based Ionic Liquids with Tellurium. Chemistry - A European Journal, 2018, 24, 9325-9332.	1.7	16
24	Isolation of Azadiphosphiridines and Diphosphenimines by Cycloaddition of Azides and a Cationic Diphosphene. Angewandte Chemie - International Edition, 2017, 56, 6218-6222.	7.2	14
25	Dissolution behaviour and activation of selenium in phosphonium based ionic liquids. Chemical Communications, 2017, 53, 7588-7591.	2.2	20
26	Isolation of Azadiphosphiridines and Diphosphenimines by Cycloaddition of Azides and a Cationic Diphosphene. Angewandte Chemie, 2017, 129, 6314-6318.	1.6	2
27	The Importance of Pore Size and Surface Polarity for Polysulfide Adsorption in Lithium Sulfur Batteries. Advanced Materials Interfaces, 2016, 3, 1600508.	1.9	76
28	Cationic 5-phosphonio-substituted N-heterocyclic carbenes. Dalton Transactions, 2016, 45, 11384-11396.	1.6	45
29	Tetra-cationic imidazolium-substituted phosphorus-sulfur heterocycles from a cationic organophosphorus sulfide. Chemical Communications, 2016, 52, 2023-2026.	2.2	18
30	$[(\text{Cl})\text{Im}(\text{Dipp})\text{P}(\text{Dipp})][\text{GaCl}_4]$: a polarized, cationic diphosphene. Chemical Communications, 2016, 52, 1409-1412.	2.2	23
31	Synthesis and EPR/UV/Vis-NIR Spectroelectrochemical Investigation of a Persistent Phosphanyl Radical Dication. Angewandte Chemie - International Edition, 2015, 54, 11054-11058.	7.2	33
32	NHC-Mediated Synthesis of an Asymmetric, Cationic Phosphoranide, a Phosphanide, and Coinage-Metal Phosphanido Complexes. Angewandte Chemie - International Edition, 2013, 52, 14204-14208.	7.2	79