

# Kai Schwedtmann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6207223/publications.pdf>

Version: 2024-02-01

32  
papers

583  
citations

623188

14  
h-index

610482

24  
g-index

36  
all docs

36  
docs citations

36  
times ranked

674  
citing authors

#	ARTICLE	IF	CITATIONS
1	NHC-Mediated Synthesis of an Asymmetric, Cationic Phosphoranide, a Phosphanide, and Coinage-Metal Phosphanido Complexes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14204-14208.	7.2	79
2	The Importance of Pore Size and Surface Polarity for Polysulfide Adsorption in Lithium Sulfur Batteries. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600508.	1.9	76
3	Cationic 5-phosponio-substituted N-heterocyclic carbenes. <i>Dalton Transactions</i> , 2016, 45, 11384-11396.	1.6	45
4	Recent Advances in Imidazoliumyl-Substituted Phosphorus Compounds. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1388-1405.	1.7	41
5	Synthesis and EPR/UV/Vis-NIR Spectroelectrochemical Investigation of a Persistent Phosphanyl Radical Dication. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11054-11058.	7.2	33
6	Direct conversion of white phosphorus to versatile phosphorus transfer reagents via oxidative onioation. <i>Nature Chemistry</i> , 2022, 14, 384-391.	6.6	31
7	$[(\text{Cl})\text{Im}(\text{Dipp})\text{P}(\text{Dipp})][\text{GaCl}_4]$ : a polarized, cationic diphosphene. <i>Chemical Communications</i> , 2016, 52, 1409-1412.	2.2	23
8	Dissolution behaviour and activation of selenium in phosphonium based ionic liquids. <i>Chemical Communications</i> , 2017, 53, 7588-7591.	2.2	20
9	Formation of an imidazoliumyl-substituted $[(\text{L})\text{C}]_4\text{P}_4$ tetracation and transition metal mediated fragmentation and insertion reaction ( $\text{L} = \text{NHC}$ ). <i>Chemical Science</i> , 2019, 10, 6868-6875.	3.7	20
10	Tetra-cationic imidazoliumyl-substituted phosphorus-sulfur heterocycles from a cationic organophosphorus sulfide. <i>Chemical Communications</i> , 2016, 52, 2023-2026.	2.2	18
11	Understanding the Chemical Reactivity of Phosphonium-Based Ionic Liquids with Tellurium. <i>Chemistry - A European Journal</i> , 2018, 24, 9325-9332.	1.7	16
12	Isolation of Azadiphosphiridines and Diphosphenimines by Cycloaddition of Azides and a Cationic Diphosphene. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6218-6222.	7.2	14
13	$\text{P}=\text{P}$ Condensation and $\text{P}=\text{N}/\text{P}=\text{P}$ Bond Metathesis: Facile Synthesis of Cationic Tri- and Tetraphosphanes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3585-3591.	7.2	14
14	Functionalization of Pentaphosphorus Cations by Complexation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18584-18590.	7.2	13
15	Flowers of the plant genus <i>Hypericum</i> as versatile photoredox catalysts. <i>Green Chemistry</i> , 2021, 23, 881-888.	4.6	13
16	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
17	Controlled scrambling reactions to polyphosphanes via bond metathesis reactions. <i>Chemical Science</i> , 2019, 10, 11054-11063.	3.7	10
18	Facile synthesis of tellurium nano- and microstructures by trace HCl in ionic liquids. <i>Dalton Transactions</i> , 2020, 49, 1891-1896.	1.6	9

#	ARTICLE	IF	CITATIONS
19	Bifunctional Fluorophosphonium Triflates as Intramolecular Frustrated Lewis Pairs: Reversible CO <sub>2</sub> Sequestration and Binding of Carbonyls, Nitriles and Acetylenes. Chemistry - A European Journal, 2021, 27, 13709-13714.	1.7	9
20	1,3-Bis(diphosphacyclobutene) Cobalt Complexes. Chemistry - A European Journal, 2019, 25, 6180-6188.	1.7	7
21	A convenient access to fluorophosphonium triflate salts by electrophilic fluorination and anion exchange. Inorganic Chemistry Frontiers, 2021, 8, 2854-2864.	3.0	7
22	Coordination of trivalent lanthanum and cerium, and tetravalent cerium and actinides (An = Th(IV), U, Np, Pu, Am, Cm, Bk, Cf, Es, Fm, Md, No, Lr). Dalton Transactions, 2021, 50, 3550-3558.	1.6	7
23	Coordination Chemistry and Methylation of Mixed-Substituted Tetraphosphetanes (RP <sub>2</sub> P <sub>2</sub> (i) t Bu) <sub>2</sub> (R=Ph, Py). Chemistry - A European Journal, 2020, 26, 11734-11741.	1.7	6
24	P <sup>+</sup> P Condensation and P <sup>+</sup> N/P <sup>+</sup> P Bond Metathesis: Facile Synthesis of Cationic Tri- and Tetraphosphanes. Angewandte Chemie, 2020, 132, 3613-3619.	1.6	4
25	Functionalization of Pentaphosphorus Cations by Complexation. Angewandte Chemie, 2019, 131, 18757-18763.	1.6	3
26	Toward N,P-Doped $\pi$ -Extended PAHs: A One-Pot Synthesis to Diannulated 1,4,2-Diazaphospholium Triflate Salts. Journal of Organic Chemistry, 2020, 85, 14420-14434.	1.7	3
27	Manipulating Estrogenic/Anti-Estrogenic Activity of Triphenylethylenes towards Development of Novel Anti-Neoplastic SERMs. International Journal of Molecular Sciences, 2021, 22, 12575.	1.8	3
28	Isolation of Azadiphosphiridines and Diphosphenimines by Cycloaddition of Azides and a Cationic Diphosphene. Angewandte Chemie, 2017, 129, 6314-6318.	1.6	2
29	Design and Synthesis of Novel Symmetric Fluorene-2,7-Diamine Derivatives as Potent Hepatitis C Virus Inhibitors. Pharmaceuticals, 2021, 14, 292.	1.7	2
30	Pyrazolyl-substituted Phosphorus(III) compounds in synthesis. Coordination Chemistry Reviews, 2021, 436, 213829.	9.5	1
31	Coordination Chemistry and Methylation of Mixed-Substituted Tetraphosphetanes (RP <sub>2</sub> P <sub>2</sub> t Bu) <sub>2</sub> (R=Ph, Tj ETQq) 1,1 0.784314 rgB 1.7 0	1.7	0
32	Innentitelbild: P <sup>+</sup> P Condensation and P <sup>+</sup> N/P <sup>+</sup> P Bond Metathesis: Facile Synthesis of Cationic Tri- and Tetraphosphanes (Angew. Chem. 9/2020). Angewandte Chemie, 2020, 132, 3366-3366.	1.6	0