PaweÅ‚ Dydio

List of Publications by Year
in descending order

36 papers	2,253 citations	279798 23 h-index	345221 36 g-index
47 all docs	47 docs citations	47 times ranked	2340 citing authors

#	Article	IF	Citations
1	Abiological catalysis by artificial haem proteins containing noble metals in place of iron. Nature, 2016, 534, 534-537.	27.8	360
2	Amide- and urea-functionalized pyrroles and benzopyrroles as synthetic, neutral anion receptors. Chemical Society Reviews, 2011, 40, 2971.	38.1	222
3	Supramolecular control of selectivity in transition-metal catalysis through substrate preorganization. Chemical Science, 2014, 5, 2135-2145.	7.4	185
4	Challenges and Opportunities in Multicatalysis. ACS Catalysis, 2021, 11, 3891-3915.	11.2	149
5	Chemoselective, Enzymatic Câ€“H Bond Amination Catalyzed by a Cytochrome P450 Containing an Ir(Me)-PIX Cofactor. Journal of the American Chemical Society, 2017, 139, 1750-1753.	13.7	147
6	Remote Supramolecular Control of Catalyst Selectivity in the Hydroformylation of Alkenes. Angewandte Chemie - International Edition, 2011, 50, 396-400.	13.8	139
7	â€œCofactorâ€•Controlled Enantioselective Catalysis. Journal of the American Chemical Society, 2011, 133, 17176-17179.	13.7	111
8	Beyond Iron: Iridium-Containing P450 Enzymes for Selective Cyclopropanations of Structurally Diverse Alkenes. ACS Central Science, 2017, 3, 302-308.	11.3	85
9	Precise Supramolecular Control of Selectivity in the Rh-Catalyzed Hydroformylation of Terminal and Internal Alkenes. Journal of the American Chemical Society, 2013, 135, 10817-10828.	13.7	82
10	Supramolecular Control of Selectivity in Hydroformylation of Vinyl Arenes: Easy Access to Valuable Î²â€Aldehyde Intermediates. Angewandte Chemie - International Edition, 2013, 52, 3878-3882.	13.8	70
11	Dual-catalytic transition metal systems for functionalization of unreactive sites of molecules. Nature Catalysis, 2019, 2, 114-122.	34.4	66
12	Beyond Classical Reactivity Patterns: Hydroformylation of Vinyl and Allyl Arenes to Valuable Î²- and Î³-Aldehyde Intermediates Using Supramolecular Catalysis. Journal of the American Chemical Society, 2014, 136, 8418-8429.	13.7	61
13	Anion receptors based on 7,7â€²-diamido-2,2â€²-diindolylmethane. Chemical Communications, 2009, , 4560.	4.1	56
14	7,7â€²-Diureido-2,2â€²-diindolylmethanes: Anion Receptors Effective in a Highly Competitive Solvent, Methanol. Organic Letters, 2010, 12, 1076-1078.	4.6	53
15	Synthesis, structure and the binding properties of the amide-based anion receptors derived from 1H-indole-7-amine. Tetrahedron, 2008, 64, 568-574.	1.9	41
16	Binuclear Pd(I)â€“Pd(I) Catalysis Assisted by Iodide Ligands for Selective Hydroformylation of Alkenes and Alkynes. Journal of the American Chemical Society, 2020, 142, 18251-18265.	13.7	39
17	Bishydrazide Derivatives of Isoindoline as Simple Anion Receptors. Journal of Organic Chemistry, 2009, 74, 1525-1530.	3.2	38
18	Dynamic Combinatorial Chemistry in Chemical Catalysis. Israel Journal of Chemistry, 2013, 53, 61-74.	2.3	37

#	Article	IF	Citations
19	Azuleneâ€Based Macrocyclic Receptors for Recognition and Sensing of Phosphate Anions. Chemistry - A European Journal, 2016, 22, 17673-17680.	3.3	35
20	Cofactor-Controlled Chirality of Tropoisomeric Ligand. Organometallics, 2016, 35, 1956-1963.	2.3	26
21	Selective Isomerizationâ€"Hydroformylation Sequence: A Strategy to Valuable Î±-Methyl-Branched Aldehydes from Terminal Olefins. ACS Catalysis, 2013, 3, 2939-2942.	11.2	25
22	7,7â€²â€Diaminoâ€2,2â€²â€diindolylmethane: A Building Block for Highly Efficient and Selective Anion Receptorsâ€"Studies in Solution and in the Solid State. Chemistry - A European Journal, 2012, 18, 13686-13701.	3.3	20
23	The Influence of Binding Site Geometry on Anionâ€Binding Selectivity: A Case Study of Macrocyclic Receptors Built on the Azulene Skeleton. Chemistry - A European Journal, 2018, 24, 11683-11692.	3.3	18
24	Effector responsive hydroformylation catalysis. Chemical Science, 2019, 10, 7389-7398.	7.4	16
25	Palladiumâ€Catalyzed Hydroformylation of Alkenes and Alkynes. European Journal of Organic Chemistry, 2021, 2021, 5985-5997.	2.4	15
26	Scalable and chromatography-free synthesis of 2-(2-formylalkyl)arenecarboxylic acid derivatives through the supramolecularly controlled hydroformylation of vinylarene-2-carboxylic acids. Nature Protocols, 2014, 9, 1183-1191.	12.0	13
27	Benzopyrrole derivatives as effective anion receptors in highly competitive solvents. Pure and Applied Chemistry, 2011, 83, 1543-1554.	1.9	11
28	Diamidonaphthalenodipyrrole-derived fluorescent sensors for anions. Sensors and Actuators B: Chemical, 2016, 237, 621-627.	7.8	11
29	Multicatalytic Approach to One-Pot Stereoselective Synthesis of Secondary Benzylic Alcohols. Organic Letters, 2021, 23, 3502-3506.	4.6	11
30	Recent Trends in Group 9 Catalyzed Câ€"H Borylation Reactions: Different Strategies To Control Site-, Regio-, and Stereoselectivity. Synthesis, 2022, 54, 3482-3498.	2.3	9
31	A hybrid macrocyclic anion receptor exploiting the pyrrole-2,5-diacetamide unit. RSC Advances, 2016, 6, 41568-41571.	3.6	7
32	Isoselective Hydroformylation of Propylene by Iodideâ€Assisted Palladium Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	7
33	Enantioselective Î±-Arylation of Primary Alcohols under Sequential One-Pot Catalysis. Journal of Organic Chemistry, 2021, 86, 9253-9262.	3.2	6
34	Teaching natural enzymes new radical tricks. Science, 2021, 374, 1558-1559.	12.6	1
35	Isoselective Hydroformylation of Propylene by Iodideâ€Assisted Palladium Catalysis. Angewandte Chemie, 2022, 134, .	2.0	0
36	Density Functional Theory Studies of the Catalyst Structureâ€"Activity and Selectivity Relationships in Rh(I)-Catalyzed Transfer Câ€"H Borylation of Alkenes. Organometallics, 2022, 41, 1649-1658.	2.3	0