

# Karl Z Demmans

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3805810/publications.pdf>

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12  
papers

314  
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1307594

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1281871

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g-index

12  
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12  
docs citations

12  
times ranked

363  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational development of iron catalysts for asymmetric transfer hydrogenation. Dalton Transactions, 2014, 43, 7650.	3.3	94
2	Asymmetric Transfer Hydrogenation of Ketones with Well-Defined Manganese(I) PNN and PNNP Complexes. Organometallics, 2018, 37, 4608-4618.	2.3	79
3	Rhodium complexes stabilized by phosphine-functionalized phosphonium ionic liquids used as higher alkene hydroformylation catalysts: influence of the phosphonium headgroup on catalytic activity. Dalton Transactions, 2012, 41, 13533.	3.3	35
4	From imine to amine: an unexpected left turn. Cis- $\eta^2$ iron( $\kappa^2$ ) PNNP $\kappa^2$ precatalysts for the asymmetric transfer hydrogenation of acetophenone. Chemical Science, 2017, 8, 6531-6541.	7.4	31
5	Aqueous biphasic iron-catalyzed asymmetric transfer hydrogenation of aromatic ketones. RSC Advances, 2016, 6, 88580-88587.	3.6	23
6	Directed Ligand Exchange on the Surface of PbS Nanocrystals: Implications for Incoherent Photon Conversion. ACS Applied Nano Materials, 2021, 4, 5655-5664.	5.0	16
7	The Green Chemistry Initiative's contributions to education at the University of Toronto and beyond. Green Chemistry Letters and Reviews, 2019, 12, 187-195.	4.7	9
8	Enantioselective Synthesis of Spirooxiranes: An Asymmetric Addition/Aldol/Spirocyclization Domino Cascade. Angewandte Chemie - International Edition, 2021, 60, 21189-21194.	13.8	9
9	Structure-based design of a photoswitchable affibody scaffold. Protein Science, 2021, 30, 2359-2372.	7.6	8
10	PbS Nanocrystals Made Using Excess Lead Chloride Have a Halide-Perovskite-Like Surface. Chemistry of Materials, 2021, 33, 9270-9284.	6.7	6
11	Enantioselective Synthesis of Spirooxiranes: An Asymmetric Addition/Aldol/Spirocyclization Domino Cascade. Angewandte Chemie, 2021, 133, 21359-21364.	2.0	3
12	Group VII and VIII Hydrogenation Catalysts. , 2021, , 657-714.		1