

# Anna C Brezny

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3833197/publications.pdf>

Version: 2024-02-01

10  
papers

393  
citations

1163117

8  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

513  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of Catalytic O <sub>2</sub> Reduction by Iron Tetraphenylporphyrin. <i>Journal of the American Chemical Society</i> , 2019, 141, 8315-8326.	13.7	99
2	Recent Developments in the Scope, Practicality, and Mechanistic Understanding of Enantioselective Hydroformylation. <i>Accounts of Chemical Research</i> , 2018, 51, 2344-2354.	15.6	94
3	Unexpected CO Dependencies, Catalyst Speciation, and Single Turnover Hydrogenolysis Studies of Hydroformylation via High Pressure NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 2778-2785.	13.7	45
4	Selectivity-Determining Steps in O <sub>2</sub> Reduction Catalyzed by Iron(tetramesitylporphyrin). <i>Journal of the American Chemical Society</i> , 2020, 142, 4108-4113.	13.7	41
5	Development of a Comprehensive Microkinetic Model for Rh(bis(diazaphospholane))-Catalyzed Hydroformylation. <i>ACS Catalysis</i> , 2019, 9, 2501-2513.	11.2	38
6	Interception and Characterization of Catalyst Species in Rhodium Bis(diazaphospholane)-Catalyzed Hydroformylation of Octene, Vinyl Acetate, Allyl Cyanide, and 1-Phenyl-1,3-butadiene. <i>Journal of the American Chemical Society</i> , 2015, 137, 14208-14219.	13.7	36
7	Multiple selectivity-determining mechanisms of H <sub>2</sub> O <sub>2</sub> formation in iron porphyrin-catalysed oxygen reduction. <i>Chemical Communications</i> , 2021, 57, 1202-1205.	4.1	18
8	Backbone-Modified Bis(diazaphospholanes) for Regioselective Rhodium-Catalyzed Hydroformylation of Alkenes. <i>Organometallics</i> , 2017, 36, 3142-3151.	2.3	12
9	Câ€H oxidation in fluorenyl benzoates does not proceed through a stepwise pathway: revisiting asynchronous proton-coupled electron transfer. <i>Chemical Science</i> , 2021, 12, 13127-13136.	7.4	7
10	Different Kinetic Reactivities of Electrons in Distinct TiO <sub>2</sub> Nanoparticle Trap States. <i>Journal of Physical Chemistry C</i> , 2021, 125, 680-690.	3.1	3