

# Lars P E Yunker

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6653924/publications.pdf>

Version: 2024-02-01

15  
papers

917  
citations

933447

10  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1197  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-driving laboratory for accelerated discovery of thin-film materials. <i>Science Advances</i> , 2020, 6, eaaz8867.	10.3	306
2	ChemOS: Orchestrating autonomous experimentation. <i>Science Robotics</i> , 2018, 3, .	17.6	113
3	Practical approaches to the ESI-MS analysis of catalytic reactions. <i>Journal of Mass Spectrometry</i> , 2014, 49, 1-8.	1.6	107
4	Data-science driven autonomous process optimization. <i>Communications Chemistry</i> , 2021, 4, .	4.5	94
5	ChemOS: An orchestration software to democratize autonomous discovery. <i>PLoS ONE</i> , 2020, 15, e0229862.	2.5	77
6	Simultaneous Orthogonal Methods for the Real-Time Analysis of Catalytic Reactions. <i>ACS Catalysis</i> , 2016, 6, 6911-6917.	11.2	45
7	Real-Time Mass Spectrometric Investigations into the Mechanism of the Suzuki-Miyaura Reaction. <i>Organometallics</i> , 2018, 37, 4297-4308.	2.3	45
8	Automation isn't automatic. <i>Chemical Science</i> , 2021, 12, 15473-15490.	7.4	44
9	Automated solubility screening platform using computer vision. <i>IScience</i> , 2021, 24, 102176.	4.1	31
10	Competitive Ligand Exchange and Dissociation in Ru Indenyl Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 747-755.	4.0	20
11	Online High-Performance Liquid Chromatography Analysis of Buchwald-Hartwig Aminations from within an Inert Environment. <i>ACS Catalysis</i> , 2020, 10, 13236-13244.	11.2	10
12	Quantitative and convenient real-time reaction monitoring using stopped-flow benchtop NMR. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1061-1072.	3.7	10
13	PythoMS: A Python Framework To Simplify and Assist in the Processing and Interpretation of Mass Spectrometric Data. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 1295-1300.	5.4	9
14	Dynamic Ion Speciation during the Hydrolysis of Aryltrifluoroborates**. <i>Chemistry - A European Journal</i> , 2021, 27, 3812-3816.	3.3	4
15	A mechanistic investigation of the Suzuki polycondensation reaction using MS/MS methods. <i>Catalysis Science and Technology</i> , 2021, 11, 4406-4416.	4.1	1