

# Kerstin Zawatzky

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

722  
citations

759233

12  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

963  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping the dark space of chemical reactions with extended nanomole synthesis and MALDI-TOF MS. Science, 2018, 361, .	12.6	126
2	Imaging the Absolute Configuration of a Chiral Epoxide in the Gas Phase. Science, 2013, 342, 1084-1086.	12.6	118
3	Ultrafast chiral separations for high throughput enantiopurity analysis. Chemical Communications, 2017, 53, 509-512.	4.1	117
4	Current challenges and future prospects in chromatographic method development for pharmaceutical research. TrAC - Trends in Analytical Chemistry, 2017, 95, 36-46.	11.4	98
5	MISER chiral supercritical fluid chromatography for high throughput analysis of enantiopurity. Journal of Chromatography A, 2016, 1429, 374-379.	3.7	46
6	Overcoming "speed limits" in high throughput chromatographic analysis. Journal of Chromatography A, 2017, 1499, 211-216.	3.7	41
7	In Situ Mass Spectrometric and Kinetic Investigations of Soai's Asymmetric Autocatalysis. Chemistry - A European Journal, 2020, 26, 15871-15880.	3.3	36
8	Toward structure-based predictive tools for the selection of chiral stationary phases for the chromatographic separation of enantiomers. Journal of Chromatography A, 2016, 1467, 206-213.	3.7	29
9	Development of an automated kinetic profiling system with online HPLC for reaction optimization. Reaction Chemistry and Engineering, 2019, 4, 1555-1558.	3.7	29
10	Unusual reversal of enantioselectivity in the asymmetric autocatalysis of pyrimidyl alkanol triggered by chiral aromatic alkanols and amines. Organic and Biomolecular Chemistry, 2017, 15, 555-558.	2.8	18
11	Coulomb Explosion Imaged Cryptochiral (1 <i>R</i> ,2 <i>R</i> )-2,3-Dideuteriooxirane: Unambiguous Access to the Absolute Configuration of (+)-Glyceraldehyde. Chemistry - A European Journal, 2014, 20, 5555-5558.	3.3	17
12	Facile kinetic profiling of chemical reactions using MISER chromatographic analysis. Tetrahedron, 2017, 73, 5048-5053.	1.9	16
13	Can the analyte-triggered asymmetric autocatalytic Soai reaction serve as a universal analytical tool for measuring enantiopurity and assigning absolute configuration?. Organic and Biomolecular Chemistry, 2017, 15, 96-101.	2.8	11
14	Absolute configuration assignment of a chiral molecule in the gas phase using foil-induced Coulomb explosion imaging. Physical Review A, 2014, 90, .	2.5	6
15	Using chromatogram averaging to improve quantitation of minor impurities. Journal of Chromatography A, 2016, 1465, 205-210.	3.7	5
16	Visualizing small differences using subtractive chromatographic analysis. Journal of Chromatography A, 2016, 1468, 245-249.	3.7	3
17	Synthesis of Cryptochiral (1 <i>R</i> ,2 <i>R</i> )-2,3-Dideuteriooxirane as Stereochemical Reference Compound and Chemical Correlation with D-(+)-Glyceraldehyde. Israel Journal of Chemistry, 2016, 56, 1082-1090.	2.3	3
18	Are fluorine-rich pharmaceuticals lost by partition into fluorous phases?. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 106-110.	2.8	2