

# Carl Mensch

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

518  
citations

759233

12  
h-index

752698

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

832  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of the Cu(I)-catalyzed benzylic oxygenation of (aryl)(heteroaryl)methanes with oxygen. <i>Chemical Science</i> , 2016, 7, 346-357.	7.4	86
2	Zn-Catalyzed <i>tert</i> -Butyl Nicotinate-Directed Amide Cleavage as a Biomimic of Metallo-Exopeptidase Activity. <i>ACS Catalysis</i> , 2018, 8, 203-218.	11.2	67
3	Metal ions shape $\alpha$ -synuclein. <i>Scientific Reports</i> , 2020, 10, 16293.	3.3	55
4	Base metal-catalyzed benzylic oxidation of (aryl)(heteroaryl)methanes with molecular oxygen. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 144-153.	2.2	48
5	Ramachandran mapping of peptide conformation using a large database of computed Raman and Raman optical activity spectra. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31757-31768.	2.8	38
6	Raman optical activity of human $\alpha$ -synuclein in intrinsically disordered, micelle-bound $\alpha$ -helical, molten globule and oligomeric $\beta$ -sheet state. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 910-918.	2.5	36
7	The effect of reactive oxygen and nitrogen species on the structure of cytoglobin: A potential tumor suppressor. <i>Redox Biology</i> , 2018, 19, 1-10.	9.0	31
8	The effect of protein backbone hydration on the amide vibrations in Raman and Raman optical activity spectra. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1988-2005.	2.8	18
9	Studying the Glycan Moiety of RNase B by Means of Raman and Raman Optical Activity. <i>ChemPhysChem</i> , 2014, 15, 2252-2254.	2.1	16
10	Solution Structure of Mannobioses Unravelling by Means of Raman Optical Activity. <i>ChemPhysChem</i> , 2019, 20, 695-705.	2.1	16
11	Carbamate Synthesis Using a Shelf-Stable and Renewable C <sub>1</sub> Reactant. <i>ChemSusChem</i> , 2019, 12, 3103-3114.	6.8	16
12	Is Raman Optical Activity Spectroscopy Sensitive to $\alpha$ -Turns in Proteins? Secondary Structure and Side-Chain Dependence. <i>ChemPhysChem</i> , 2018, 19, 3134-3143.	2.1	12
13	Direct Measurements of the Crowding Effect in Proteins by Means of Raman Optical Activity. <i>Journal of Physical Chemistry B</i> , 2016, 120, 886-890.	2.6	11
14	Conformational Disorder and Dynamics of Proteins Sensed by Raman Optical Activity. <i>ACS Omega</i> , 2018, 3, 12944-12955.	3.5	11
15	The Influence of the Amino Acid Side Chains on the Raman Optical Activity Spectra of Proteins. <i>ChemPhysChem</i> , 2019, 20, 42-54.	2.1	11
16	1,3,7-Triazapyrene-Based <i>ortho</i> -Carborane Fluorophores: Convenient Synthesis, Theoretical Studies, and Aggregation-Induced Emission Properties. <i>Organometallics</i> , 2021, 40, 2792-2807.	2.3	6
17	Selective Nickel-Catalyzed Hydrodeacetoxylation of Aryl Acetates. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	5
18	Synthesis of Heterocycles <i>via</i> Aerobic Ni-Catalyzed Imidoxylation of Aromatic 1,2-Bis-nucleophiles with Isocyanides. <i>ACS Catalysis</i> , 2022, 12, 6857-6873.	11.2	5

#	ARTICLE	IF	CITATIONS
19	The Influence of the Amino Acid Side Chains on the Raman Optical Activity Spectra of Proteins. ChemPhysChem, 2019, 20, 5-5.	2.1	2
20	Selective Nickel-Catalyzed Hydrodeacetoxylation of Aryl Acetates. Angewandte Chemie, 0, , .	2.0	0