Melissa L Zastrow

List of Publications by Year
in descending order

13	1,299	933447 10	1125743 13
papers	citations	h-index	g-index

13	13	13	1852
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential Effects of Transition Metals on Growth and Metal Uptake for Two DistinctLactobacillusSpecies. Microbiology Spectrum, 2022, 10, e0100621.	3.0	10
2	Transition Metals Induce Quenching of Monomeric Near-Infrared Fluorescent Proteins. Biochemistry, 2022, 61, 494-504.	2.5	8
3	HaloTag-Based Hybrid Targetable and Ratiometric Sensors for Intracellular Zinc. ACS Chemical Biology, 2020, 15, 396-406.	3.4	33
4	Liveâ€Cell Copperâ€Induced Fluorescence Quenching of the Flavinâ€Binding Fluorescent Protein CreiLOV. ChemBioChem, 2020, 21, 1356-1363.	2.6	9
5	A Crystallographic Examination of Predisposition versus Preorganization in de Novo Designed Metalloproteins. Journal of the American Chemical Society, 2016, 138, 11979-11988.	13.7	34
6	Reaction-Based Probes for Imaging Mobile Zinc in Live Cells and Tissues. ACS Sensors, 2016, 1, 32-39.	7.8	69
7	Modulation of extrasynaptic NMDA receptors by synaptic and tonic zinc. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2705-14.	7.1	109
8	A far-red emitting probe for unambiguous detection of mobile zinc in acidic vesicles and deep tissue. Chemical Science, 2015, 6, 1944-1948.	7.4	42
9	Protein Design: Toward Functional Metalloenzymes. Chemical Reviews, 2014, 114, 3495-3578.	47.7	379
10	Designing Hydrolytic Zinc Metalloenzymes. Biochemistry, 2014, 53, 957-978.	2.5	126
11	Designing functional metalloproteins: From structural to catalytic metal sites. Coordination Chemistry Reviews, 2013, 257, 2565-2588.	18.8	109
12	Influence of Active Site Location on Catalytic Activity in de Novo-Designed Zinc Metalloenzymes. Journal of the American Chemical Society, 2013, 135, 5895-5903.	13.7	78
13	Hydrolytic catalysis and structural stabilization in a designed metalloprotein. Nature Chemistry, 2012, 4, 118-123.	13.6	293