

Ingrid Span

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

696
citations

623734

14
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

673
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the reaction mechanism of IspH protein by x-ray structure analysis. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1077-1081.	7.1	103
2	A Small Molecule That Switches a Ubiquitin Ligase From a Processive to a Distributive Enzymatic Mechanism. Journal of the American Chemical Society, 2015, 137, 12442-12445.	13.7	82
3	Structure of Active IspH Enzyme from <i>Escherichia coli</i> Provides Mechanistic Insights into Substrate Reduction. Angewandte Chemie - International Edition, 2009, 48, 5756-5759.	13.8	74
4	Time-resolved structural analysis of an RNA-cleaving DNA catalyst. Nature, 2022, 601, 144-149.	27.8	65
5	Are Free Radicals Involved in IspH Catalysis? An EPR and Crystallographic Investigation. Journal of the American Chemical Society, 2012, 134, 11225-11234.	13.7	45
6	Crystal Structures of Mutant IspH Proteins Reveal a Rotation of the Substrate's Hydroxymethyl Group during Catalysis. Journal of Molecular Biology, 2012, 416, 1-9.	4.2	40
7	Caught in the H ₂ Inactive State: Crystal Structure and Spectroscopy Reveal a Sulfur Bound to the Active Site of an O ₂ -Stable State of [FeFe] Hydrogenase. Angewandte Chemie - International Edition, 2020, 59, 16786-16794.	13.8	40
8	Asp1 Bifunctional Activity Modulates Spindle Function via Controlling Cellular Inositol Pyrophosphate Levels in <i>Schizosaccharomyces pombe</i> . Molecular and Cellular Biology, 2018, 38, .	2.3	38
9	Discovery of acetylene hydratase activity of the iron-sulfur protein IspH. Nature Communications, 2012, 3, 1042.	12.8	34
10	Reductive Dehydroxylation of Allyl Alcohols by IspH Protein. Angewandte Chemie - International Edition, 2010, 49, 8802-8809.	13.8	31
11	Structures of Fluoro, Amino, and Thiol Inhibitors Bound to the [Fe ₄ S ₄] Protein IspH. Angewandte Chemie - International Edition, 2013, 52, 2118-2121.	13.8	25
12	Molecular Features and Metal Ions That Influence 10-23 DNAzyme Activity. Molecules, 2020, 25, 3100.	3.8	22
13	Insights into the Binding of Pyridines to the Iron-Sulfur Enzyme IspH. Journal of the American Chemical Society, 2014, 136, 7926-7932.	13.7	20
14	Influence of monovalent metal ions on metal binding and catalytic activity of the 10-23 DNAzyme. Biological Chemistry, 2020, 402, 99-111.	2.5	14
15	Kristallstruktur und Spektroskopie offenbaren einen Schwefel-Liganden am aktiven Zentrum einer O ₂ -stabilen [FeFe]-Hydrogenase. Angewandte Chemie, 2020, 132, 16930.	2.0	6
16	Expanding crystallization tools for nucleic acid complexes using U1A protein variants. Journal of Structural Biology, 2020, 210, 107480.	2.8	6
17	Charge-Disproportionation Symmetry Breaking Creates a Heterodimeric Myoglobin Complex with Enhanced Affinity and Rapid Intracomplex Electron Transfer. Journal of the American Chemical Society, 2016, 138, 12615-12628.	13.7	5
18	The Asp1 pyrophosphatase from <i>S. pombe</i> hosts a [2Fe-2S] ₂ ⁺ cluster in vivo. Journal of Biological Inorganic Chemistry, 2021, 26, 93-108.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Spectroscopic characterization of the Co-substituted C-terminal domain of rubredoxin-2. <i>Biological Chemistry</i> , 2018, 399, 787-798.	2.5	3
20	Stability and Activity of the 10â€³ DNAzyme Under Molecular Crowding Conditions. <i>Methods in Molecular Biology</i> , 2022, 2439, 79-89.	0.9	0
21	Obtaining Crystals of Nucleic Acids in Complex with the Protein U1A Using the Soaking Method. <i>Methods in Molecular Biology</i> , 2022, 2439, 105-115.	0.9	0