

Homme W Hellinga

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,259
citations

759233

12
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Construction of a fluorescent biosensor family. <i>Protein Science</i> , 2009, 11, 2655-2675.	7.6	282
2	Engineering Biosensors by Introducing Fluorescent Allosteric Signal Transducers: A Construction of a Novel Glucose Sensor. <i>Journal of the American Chemical Society</i> , 1998, 120, 7-11.	13.7	194
3	Design of Bioelectronic Interfaces by Exploiting Hinge-Bending Motions in Proteins. <i>Science</i> , 2001, 293, 1641-1644.	12.6	139
4	Manipulation of ligand binding affinity by exploitation of conformational coupling. , 2001, 8, 795-798.		137
5	Thermodynamic Analysis of Ligand-Induced Changes in Protein Thermal Unfolding Applied to High-Throughput Determination of Ligand Affinities with Extrinsic Fluorescent Dyes. <i>Biochemistry</i> , 2010, 49, 10831-10841.	2.5	103
6	Multifactorial Determinants of Protein Expression in Prokaryotic Open Reading Frames. <i>Journal of Molecular Biology</i> , 2010, 402, 905-918.	4.2	87
7	Construction of a Novel Redox Protein by Rational Design: A Conversion of a Disulfide Bridge into a Mononuclear Iron-Sulfur Center. <i>Biochemistry</i> , 1998, 37, 7070-7076.	2.5	73
8	Protein fabrication automation. <i>Protein Science</i> , 2007, 16, 379-390.	7.6	56
9	Construction of a Family of Cys2His2Zinc Binding Sites in the Hydrophobic Core of Thioredoxin by Structure-Based Design. <i>Biochemistry</i> , 1998, 37, 8269-8277.	2.5	51
10	Dissection of the protein G B1 domain binding site for human IgG Fc fragment. <i>Protein Science</i> , 1999, 8, 1643-1648.	7.6	47
11	Interplay of catalysis, fidelity, threading, and processivity in the exo- and endonucleolytic reactions of human exonuclease I. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6010-6015.	7.1	36
12	NMR studies of structure, hydrogen exchange, and main-chain dynamics in a disrupted core mutant of thioredoxin. <i>Protein Science</i> , 1996, 5, 2552-2565.	7.6	22
13	Structural Analysis of Semi-specific Oligosaccharide Recognition by a Cellulose-binding Protein of <i>Thermotoga maritima</i> Reveals Adaptations for Functional Diversification of the Oligopeptide Periplasmic Binding Protein Fold. <i>Journal of Biological Chemistry</i> , 2009, 284, 33217-33223.	3.4	22
14	Describing Complex Structure-Function Relationships in Biomolecules at Equilibrium. <i>Journal of Molecular Biology</i> , 2020, 432, 1926-1951.	4.2	7
15	Harnessing Environmental Ca ²⁺ for Extracellular Protein Thermostabilization. <i>Biochemistry</i> , 2020, 59, 3725-3740.	2.5	2
16	Discovery of Thermostable, Fluorescently Responsive Glucose Biosensors by Structure-Assisted Function Extrapolation. <i>Biochemistry</i> , 2022, , .	2.5	1