

Lars Baltzer

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

549
citations

759233

12
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

579
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembly of synthetic peptides control conformation and optical properties of a zwitterionic polythiophene derivative. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10170-10174.	7.1	167
2	Design, synthesis and solution structure of a helix-loop-helix dimer—a template for the rational design of catalytically active polypeptides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995, , 2047-2056.	0.9	57
3	Designed, Functionalized Helix-Loop-Helix Motifs that Bind Human Carbonic Anhydrase II: A New Class of Synthetic Receptor Molecules. <i>Journal of the American Chemical Society</i> , 2004, 126, 4464-4465.	13.7	44
4	Structure and Function of an Aromatic Ensemble That Restricts the Dynamics of the Hydrophobic Core of a Designed Helix-Loop-Helix Dimer. <i>Journal of the American Chemical Society</i> , 1997, 119, 8598-8607.	13.7	40
5	Designed, Folded Polypeptide Scaffolds That Combine Key Biosensing Events of Recognition and Reporting. <i>Journal of Organic Chemistry</i> , 2002, 67, 3120-3123.	3.2	32
6	Incorporation of a single His residue by rational design enables thiol-ester hydrolysis by human glutathione transferase A1-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 13163-13167.	7.1	29
7	The Binding of Human Carbonic Anhydrase II by Functionalized Folded Polypeptide Receptors. <i>Chemistry and Biology</i> , 2005, 12, 1245-1252.	6.0	24
8	The Site-Selective Glycosylation of a Designed Helix-Loop-Helix Polypeptide Motif. <i>Journal of Organic Chemistry</i> , 1998, 63, 1366-1367.	3.2	21
9	Specific functionalization of CTAB stabilized anisotropic gold nanoparticles with polypeptides for folding-mediated self-assembly. <i>Journal of Materials Chemistry</i> , 2012, 22, 20368.	6.7	21
10	Powerful Protein Binders from Designed Polypeptides and Small Organic Molecules—A General Concept for Protein Recognition. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1823-1827.	13.8	19
11	Crossing borders to bind proteins—a new concept in protein recognition based on the conjugation of small organic molecules or short peptides to polypeptides from a designed set. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1653-1664.	3.7	18
12	Polypeptide Conjugate Binders that Discriminate between Two Isoforms of Human Carbonic Anhydrase in Human Blood. <i>ChemBioChem</i> , 2011, 12, 559-566.	2.6	12
13	Mixed pentafluorophenyl and o-fluorophenyl esters of aliphatic dicarboxylic acids: efficient tools for peptide and protein conjugation. <i>RSC Advances</i> , 2012, 2, 908-914.	3.6	12
14	The molecular recognition of phosphorylated proteins by designed polypeptides conjugated to a small molecule that binds phosphate. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 7697.	2.8	11
15	Improved molecular recognition of Carbonic Anhydrase IX by polypeptide conjugation to acetazolamide. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5838-5848.	3.0	8
16	Powerful Binders for the D-Dimer by Conjugation of the GPRP Peptide to Polypeptides from a Designed Set—Illustrating a General Route to New Binders for Proteins. <i>Bioconjugate Chemistry</i> , 2013, 24, 17-25.	3.6	6
17	Exploring Non-obvious Hydrophobic Binding Pockets on Protein Surfaces: Increasing Affinities in Peptide-Protein Interactions. <i>ChemBioChem</i> , 2017, 18, 1396-1407.	2.6	5
18	Conjugation of a Dipicolyl Chelate to Polypeptide Conjugates Increases Binding Affinities for Human Serum Albumin and Survival Times in Human Serum. <i>ChemBioChem</i> , 2017, 18, 1408-1414.	2.6	5

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19	High-affinity recognition of the human C-reactive protein independent of phosphocholine. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4644-4654.	2.8	4
20	Nucleophile selectivity in the acyl transfer reaction of a designed enzyme. <i>Biopolymers</i> , 2005, 79, 292-299.	2.4	3
21	A synthetic polypeptide conjugate from a 42-residue polypeptide and salicylhydroxamic acid binds human myeloperoxidase with high affinity. <i>Journal of Peptide Science</i> , 2012, 18, 731-739.	1.4	3
22	Acid-Base Catalysis in Designed Peptides. , 0, , 1079-1103.		0
23	Colorimetric sensing: Small 21/2009. <i>Small</i> , 2009, 5, NA-NA.	10.0	0