

Jumi A Shin

List of Publications by Year in descending order

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papers

262
citations

933447

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21
all docs

21
docs citations

21
times ranked

375
citing authors

#	ARTICLE	IF	CITATIONS
1	Combining Rational Design and Continuous Evolution on Minimalist Proteins That Target the E-box DNA Site. ACS Chemical Biology, 2021, 16, 35-44.	3.4	8
2	Phage-Assisted Continuous Evolution (PACE): A Guide Focused on Evolving Protein-DNA Interactions. ACS Omega, 2020, 5, 26957-26966.	3.5	13
3	The Intrinsically Disordered Loop in the USF1 bHLHZ Domain Modulates Its DNA-Binding Sequence Specificity in Hereditary Asthma. Journal of Physical Chemistry B, 2019, 123, 9862-9871.	2.6	4
4	Peptide therapeutics that directly target transcription factors. Peptide Science, 2019, 111, e24048.	1.8	14
5	The DNA target determines the dimerization partner selected by bHLHZ-like hybrid proteins AhRJun and ArntFos. Molecular BioSystems, 2017, 13, 476-488.	2.9	8
6	Guiding principles for a successful multidisciplinary research collaboration. Future Science OA, 2015, 1, FSO7.	1.9	6
7	The Role of Ligand Density and Size in Mediating Quantum Dot Nuclear Transport. Small, 2014, 10, 4182-4192.	10.0	35
8	Forced homodimerization of the c-Fos leucine zipper in designed bHLHZ-like hybrid proteins MaxbHLH-Fos and ArntbHLH-Fos. Molecular BioSystems, 2012, 8, 1286.	2.9	5
9	Boundaries of the Origin of Replication: Creation of a pET-28a-Derived Vector with p15A Copy Control Allowing Compatible Coexistence with pET Vectors. PLoS ONE, 2012, 7, e47259.	2.5	18
10	Crystal Structure of the Minimalist Max-E47 Protein Chimera. PLoS ONE, 2012, 7, e32136.	2.5	12
11	Reengineering natural design by rational design and in vivo library selection: the HLH subdomain in bHLHZ proteins is a unique requirement for DNA-binding function. Protein Engineering, Design and Selection, 2010, 23, 337-346.	2.1	8
12	Max-E47, a Designed Minimalist Protein That Targets the E-Box DNA Site <i>in Vivo</i> and <i>in Vitro</i> . Journal of the American Chemical Society, 2009, 131, 7839-7848.	13.7	19
13	AhR/Arnt:XRE interaction: Turning false negatives into true positives in the modified yeast one-hybrid assay. Analytical Biochemistry, 2008, 382, 101-106.	2.4	8
14	Design of a single plasmid-based modified yeast one-hybrid system for investigation of in vivo protein-protein and protein-DNA interactions. BioTechniques, 2008, 45, 295-304.	1.8	14
15	Hybrids of the bHLH and bZIP Protein Motifs Display Different DNA-Binding Activities In Vivo vs. In Vitro. PLoS ONE, 2008, 3, e3514.	2.5	11
16	The GCN4 bZIP Targets Noncognate Gene Regulatory Sequences: A Quantitative Investigation of Binding at Full and Half Sites. Biochemistry, 2007, 46, 1663-1671.	2.5	17
17	Minimalist proteins: Design of new molecular recognition scaffolds. Pure and Applied Chemistry, 2004, 76, 1579-1590.	1.9	1
18	Sequence-specific recognition of DNA by hydrophobic, alanine-rich mutants of the basic region/leucine zipper motif investigated by fluorescence anisotropy. Biopolymers, 2002, 65, 10-20.	2.4	32

#	ARTICLE	IF	CITATIONS
19	Minimalist, Alanine-Based, Helical Protein Dimers Bind to Specific DNA Sites. Journal of the American Chemical Society, 2000, 122, 5638-5639.	13.7	28