

Sheldon Park

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,421
citations

567281

15
h-index

454955

30
g-index

36
all docs

36
docs citations

36
times ranked

2341
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellular and Molecular Engineering of Glycan Sialylation in Heterologous Systems. <i>Molecules</i> , 2021, 26, 5950.	3.8	4
2	Inhibition of SARS-CoV-2 viral entry upon blocking N- and O-glycan elaboration. <i>ELife</i> , 2020, 9, .	6.0	165
3	Recent advances in the engineering and application of streptavidin-like molecules. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 7355-7365.	3.6	16
4	High Affinity Antibody Detection with a Bivalent Circularized Peptide Containing Antibody Binding Domains. <i>Biotechnology Journal</i> , 2019, 14, 1800647.	3.5	3
5	Engineered pH-dependent recycling antibodies enhance elimination of Staphylococcal enterotoxin B superantigen in mice. <i>MABs</i> , 2019, 11, 411-421.	5.2	4
6	Functional expression of monomeric streptavidin and fusion proteins in <i>Escherichia coli</i> : applications in flow cytometry and ELISA. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10079-10089.	3.6	7
7	Enhancement of Muramyl Dipeptide Dependent NOD2 Activity by a Self-Derived Peptide. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 1227-1238.	2.6	9
8	Super-resolution imaging of synaptic and Extra-synaptic AMPA receptors with different-sized fluorescent probes. <i>ELife</i> , 2017, 6, .	6.0	53
9	Cell labeling and proximity dependent biotinylation with engineered monomeric streptavidin. <i>Technology</i> , 2016, 04, 152-158.	1.4	5
10	Mapping the dynamics and nanoscale organization of synaptic adhesion proteins using monomeric streptavidin. <i>Nature Communications</i> , 2016, 7, 10773.	12.8	137
11	More than one way to skin a cat: In situ engineering of an antibody through photoconjugated C2 domain. <i>Biotechnology Journal</i> , 2015, 10, 508-509.	3.5	0
12	Selective TERS detection and imaging through controlled plasmonics. <i>Faraday Discussions</i> , 2015, 178, 221-235.	3.2	13
13	Postsynthetic Domain Assembly with NpuDnaE and SspDnaB Split Inteins. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 1137-1151.	2.9	9
14	Expression and purification of soluble monomeric streptavidin in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6285-6295.	3.6	30
15	Structure-based engineering of streptavidin monomer with a reduced biotin dissociation rate. <i>Proteins: Structure, Function and Bioinformatics</i> , 2013, 81, 1621-1633.	2.6	44
16	Streptavidin-biotin technology: improvements and innovations in chemical and biological applications. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9343-9353.	3.6	328
17	Epitope-Guided Engineering of Monobody Binders for <i>in Vivo</i> Inhibition of Erk-2 Signaling. <i>ACS Chemical Biology</i> , 2013, 8, 608-616.	3.4	14
18	Stable, high affinity streptavidin monomer for protein labeling and monovalent biotin detection. <i>Biotechnology and Bioengineering</i> , 2013, 110, 57-67.	3.3	104

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19	Epitope guided engineering of monobody binders for in vivo inhibition of Erk α 2 signaling. FASEB Journal, 2013, 27, 1042.2.	0.5	0
20	Biotin α ssisted folding of streptavidin on the yeast surface. Biotechnology Progress, 2012, 28, 276-283.	2.6	13
21	Engineered Streptavidin Monomer and Dimer with Improved Stability and Function. Biochemistry, 2011, 50, 8682-8691.	2.5	57
22	Flow cytometric analysis of genetic FRET detectors containing variable substrate sequences. Biotechnology Progress, 2010, 26, 1765-1771.	2.6	0
23	Disulfide trapping of protein complexes on the yeast surface. Biotechnology and Bioengineering, 2010, 106, 27-41.	3.3	10
24	Computational and mutagenesis studies of the streptavidin native dimer interface. Journal of Molecular Graphics and Modelling, 2010, 29, 295-308.	2.4	10
25	Structural coupling between FKBP12 and buried water. Proteins: Structure, Function and Bioinformatics, 2009, 74, 603-611.	2.6	63
26	Computational design of protein therapeutics. Drug Discovery Today: Technologies, 2008, 5, e43-e48.	4.0	24
27	Simulation of pH-dependent edge strand rearrangement in human α -2 microglobulin. Protein Science, 2006, 15, 200-207.	7.6	18
28	Limitations of yeast surface display in engineering proteins of high thermostability. Protein Engineering, Design and Selection, 2006, 19, 211-217.	2.1	51
29	Progress in the development and application of computational methods for probabilistic protein design. Computers and Chemical Engineering, 2005, 29, 407-421.	3.8	22
30	Statistical and molecular dynamics studies of buried waters in globular proteins. Proteins: Structure, Function and Bioinformatics, 2005, 60, 450-463.	2.6	100
31	Modulating the DNA Affinity of Elk-1 with Computationally Selected Mutations. Journal of Molecular Biology, 2005, 348, 75-83.	4.2	7
32	Advances in computational protein design. Current Opinion in Structural Biology, 2004, 14, 487-494.	5.7	90
33	7 α Computational protein design and discovery. Annual Reports on the Progress of Chemistry Section C, 2004, 100, 195-236.	4.4	8