Qing Meng

List of Publications by Year
in descending order

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41	1,186	471371 17	395590 33
papers	citations	h-index	g-index

44	44	44	871
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The novel aciniform silk protein (AcSp2-v2) reveals the unique repetitive domain with high acid and thermal stability and self-assembly capability. International Journal of Biological Macromolecules, 2022, 202, 91-101.	3.6	4
2	C-Terminal Domains of Spider Silk Proteins Having Divergent Structures but Conserved Functional Roles. Biomacromolecules, 2022, 23, 1643-1651.	2.6	6
3	Customized Flagelliform Spidroins Form Spider Silk-like Fibers at pH 8.0 with Outstanding Tensile Strength. ACS Biomaterials Science and Engineering, 2022, 8, 119-127.	2.6	11
4	Characteristics of electrospun membranes in different spidroin/PCL ratios. Biomedical Materials (Bristol), 2021, 16, 065022.	1.7	3
5	The molecular structure of novel pyriform spidroin (PySp2) reveals extremely complex central repetitive region. International Journal of Biological Macromolecules, 2020, 145, 437-444.	3.6	14
6	Structural characterization and mechanical properties of chimeric Masp1/Flag minispidroins. Biochimie, 2020, 168, 251-258.	1.3	14
7	Characterization of the second type of aciniform spidroin (AcSp2) provides new insight into design for spidroin-based biomaterials. Acta Biomaterialia, 2020, 115, 210-219.	4.1	12
8	Expression and characterization of chimeric spidroins from flagelliformâ€•aciniform repetitive modules. Biopolymers, 2020, 111, e23404.	1.2	5
9	Novel Highly Soluble Chimeric Recombinant Spidroins with High Yield. International Journal of Molecular Sciences, 2020, 21, 6905.	1.8	11
10	Wet-Spinning Synthetic Fibers from Aggregate Glue: Aggregate Spidroin 1 (AgSp1). ACS Applied Bio Materials, 2020, 3, 5957-5965.	2.3	10
11	Tensile properties of synthetic pyriform spider silk fibers depend on the number of repetitive units as well as the presence of N- and C-terminal domains. International Journal of Biological Macromolecules, 2020, 154, 765-772.	3.6	28
12	Enterohemorrhagic E. coli effector NleL disrupts host NF-ÎºB signaling by targeting multiple host proteins. Journal of Molecular Cell Biology, 2020, 12, 318-321.	1.5	11
13	Evaluation of the potential of chimeric spidroins/poly(L-lactic-co-Îµ-caprolactone) (PLCL) nanofibrous scaffolds for tissue engineering. Materials Science and Engineering C, 2020, 111, 110752.	3.8	19
14	Properties of two spliceoforms of major ampullate spidroin 1 reveal unique functions of N-linker region. International Journal of Biological Macromolecules, 2020, 157, 67-74.	3.6	3
15	The three novel complete aciniform spidroin variants from Araneus ventricosus reveal diversity of gene sequences within specific spidroin type. International Journal of Biological Macromolecules, 2020, 157, 60-66.	3.6	12
16	Two novel tubuliform silk gene sequences from Araneus ventricosus provide evidence for multiple loci in genome. International Journal of Biological Macromolecules, 2020, 160, 806-813.	3.6	9
17	Tough synthetic spider-silk fibers obtained by titanium dioxide incorporation and formaldehyde cross-linking in a simple wet-spinning process. Biochimie, 2020, 175, 77-84.	1.3	12
18	Analysis of the Full-Length Pyriform Spidroin Gene Sequence. Genes, 2019, 10, 425.	1.0	21

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19	Engineered Ssp DnaX inteins for protein splicing with flanking proline residues. Saudi Journal of Biological Sciences, 2019, 26, 854-859.	1.8	5
20	Production and Properties of Triple Chimeric Spidroins. Biomacromolecules, 2018, 19, 2825-2833.	2.6	28
21	Molecular cloning and analysis of the full-length aciniform spidroin gene from Araneus ventricosus. International Journal of Biological Macromolecules, 2018, 117, 1352-1360.	3.6	23
22	Site specific labeling of two proteins in one system by atypical split inteins. International Journal of Biological Macromolecules, 2018, 109, 921-931.	3.6	6
23	Rab34 small GTPase is required for Hedgehog signaling and an early step of ciliary vesicle formation in the mouse. Journal of Cell Science, 2018, 131, .	1.2	21
24	Biomimetic spinning of artificial spider silk from a chimeric minispidroin. Nature Chemical Biology, 2017, 13, 262-264.	3.9	231
25	Mass spectrometry captures structural intermediates in protein fiber self-assembly. Chemical Communications, 2017, 53, 3319-3322.	2.2	22
26	The correlation between the length of repetitive domain and mechanical properties of the recombinant flagelliform spidroin. Biology Open, 2017, 6, 333-339.	0.6	17
27	Structural and Mechanical Roles for the C-Terminal Nonrepetitive Domain Become Apparent in Recombinant Spider Aciniform Silk. Biomacromolecules, 2017, 18, 3678-3686.	2.6	17
28	Characterization of full-length tubuliform spidroin gene from Araneus ventricosus. International Journal of Biological Macromolecules, 2017, 105, 702-710.	3.6	22
29	Degree of Biomimicry of Artificial Spider Silk Spinning Assessed by NMR Spectroscopy. Angewandte Chemie - International Edition, 2017, 56, 12571-12575.	7.2	25
30	Three Tctn proteins are functionally conserved in the regulation of neural tube patterning and Gli3 processing but not ciliogenesis and Hedgehog signaling in the mouse. Developmental Biology, 2017, 430, 156-165.	0.9	19
31	PKA-mediated Gli2 and Gli3 phosphorylation is inhibited by Hedgehog signaling in cilia and reduced in Talpid3 mutant. Developmental Biology, 2017, 429, 147-157.	0.9	28
32	Chimeric spider silk proteins mediated by intein result in artificial hybrid silks. Biopolymers, 2016, 105, 385-392.	1.2	14
33	A Dual Cleavage System for Protein Purification Based on Small Ubiquitin-Like Modifier and a Split Intein. Journal of Computational and Theoretical Nanoscience, 2016, 13, 8896-8901.	0.4	0
34	Diversified Structural Basis of a Conserved Molecular Mechanism for pHâ€Dependent Dimerization in Spider Silk Nâ€Terminal Domains. ChemBioChem, 2015, 16, 1720-1724.	1.3	38
35	Spider wrapping silk fibre architecture arising from its modular soluble protein precursor. Scientific Reports, 2015, 5, 11502.	1.6	39
36	Carbonic Anhydrase Generates CO2 and H+ That Drive Spider Silk Formation Via Opposite Effects on the Terminal Domains. PLoS Biology, 2014, 12, e1001921.	2.6	154

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37	Sequential pH-driven dimerization and stabilization of the N-terminal domain enables rapid spider silk formation. Nature Communications, 2014, 5, 3254.	5.8	134
38	Protein Trans-splicing Activities of Multiple Split Inteins Derived from Ssp GyrB Intein. , 2012, , .		0
39	Recombinant Minimalist Spider Wrapping Silk Proteins Capable of Native-Like Fiber Formation. PLoS ONE, 2012, 7, e50227.	1.1	59
40	Full-Length Minor Ampullate Spidroin Gene Sequence. PLoS ONE, 2012, 7, e52293.	1.1	71
41	Rare Group I Intron with Insertion Sequence Element in a Bacterial Ribonucleotide Reductase Gene. Journal of Bacteriology, 2007, 189, 2150-2154.	1.0	8