

Ping Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

780
citations

516710

16
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

738
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetically engineered pH-responsive silk sericin nanospheres with efficient therapeutic effect on ulcerative colitis. <i>Acta Biomaterialia</i> , 2022, 144, 81-95.	8.3	27
2	Chitin and cuticle proteins form the cuticular layer in the spinning duct of silkworm. <i>Acta Biomaterialia</i> , 2022, 145, 260-271.	8.3	11
3	Protein composites from silkworm cocoons as versatile biomaterials. <i>Acta Biomaterialia</i> , 2021, 121, 180-192.	8.3	29
4	Fabrication of a Silk Sericin Hydrogel System Delivering Human Lactoferrin Using Genetically Engineered Silk with Improved Bioavailability to Alleviate Chemotherapy-Induced Immunosuppression. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45175-45190.	8.0	12
5	Fiber Formation and Mechanical Properties of <i>Bombyx mori</i> Silk Are Regulated by Vacuolar-Type ATPase. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5532-5540.	5.2	4
6	Transgenic PDGF-BB/sericin hydrogel supports for cell proliferation and osteogenic differentiation. <i>Biomaterials Science</i> , 2020, 8, 657-672.	5.4	23
7	Comparative Fecal Metabolomes of Silkworms Being Fed Mulberry Leaf and Artificial Diet. <i>Insects</i> , 2020, 11, 851.	2.2	18
8	Ultrafine and High-Strength Silk Fibers Secreted by Bimolter Silkworms. <i>Polymers</i> , 2020, 12, 2537.	4.5	13
9	A silkworm based silk gland bioreactor for high-efficiency production of recombinant human lactoferrin with antibacterial and anti-inflammatory activities. <i>Journal of Biological Engineering</i> , 2019, 13, 61.	4.7	13
10	Genetic fabrication of functional silk mats with improved cell proliferation activity for medical applications. <i>Biomaterials Science</i> , 2019, 7, 4536-4546.	5.4	12
11	Structural and Mechanical Properties of Silk from Different Instars of <i>Bombyx mori</i> . <i>Biomacromolecules</i> , 2019, 20, 1203-1216.	5.4	58
12	Deep Insight into the Transcriptome of the Single Silk Gland of <i>Bombyx mori</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 2491.	4.1	11
13	Fibroinase and its physiological inhibitors involved in the regulation of silk gland development in the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 106, 19-27.	2.7	6
14	Comparative Proteome Analysis Reveals that Cuticular Proteins Analogous to Peritrophin Motif Proteins are Involved in the Regeneration of Chitin Layer in the Silk Gland of <i>Bombyx mori</i> at the Molting Stage. <i>Proteomics</i> , 2018, 18, e1700389.	2.2	12
15	Improved strength of silk fibers in <i>Bombyx mori</i> trimolters induced by an anti-juvenile hormone compound. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1148-1156.	2.4	15
16	Inhibition of silkworm vacuolar-type ATPase activity by its inhibitor Bafilomycin A1 induces caspase-dependent apoptosis in an embryonic cell line of silkworm. <i>Archives of Insect Biochemistry and Physiology</i> , 2018, 99, e21507.	1.5	7
17	Fabrication of the FGF1-functionalized sericin hydrogels with cell proliferation activity for biomedical application using genetically engineered <i>Bombyx mori</i> (<i>B. mori</i>) silk. <i>Acta Biomaterialia</i> , 2018, 79, 239-252.	8.3	46
18	Proteomics Provides Insight into the Interaction between Mulberry and Silkworm. <i>Journal of Proteome Research</i> , 2017, 16, 2472-2480.	3.7	16

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19	In vivo effects of metal ions on conformation and mechanical performance of silkworm silks. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 567-576.	2.4	44
20	Serine protease P-IIc is responsible for the digestion of yolk proteins at the late stage of silkworm embryogenesis. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 74, 42-49.	2.7	18
21	Analysis of proteome dynamics inside the silk gland lumen of <i>Bombyx mori</i> . <i>Scientific Reports</i> , 2016, 6, 21158.	3.3	36
22	Identification and Characterization of Novel Chitin-Binding Proteins from the Larval Cuticle of Silkworm, <i>Bombyx mori</i> . <i>Journal of Proteome Research</i> , 2016, 15, 1435-1445.	3.7	44
23	Large-scale production of bioactive recombinant human acidic fibroblast growth factor in transgenic silkworm cocoons. <i>Scientific Reports</i> , 2015, 5, 16323.	3.3	27
24	Modifying the Mechanical Properties of Silk Fiber by Genetically Disrupting the Ionic Environment for Silk Formation. <i>Biomacromolecules</i> , 2015, 16, 3119-3125.	5.4	44
25	Advanced silk material spun by a transgenic silkworm promotes cell proliferation for biomedical application. <i>Acta Biomaterialia</i> , 2014, 10, 4947-4955.	8.3	42
26	Comparative Proteomics Reveal Diverse Functions and Dynamic Changes of <i>Bombyx mori</i> Silk Proteins Spun from Different Development Stages. <i>Journal of Proteome Research</i> , 2013, 12, 5213-5222.	3.7	75
27	Shotgun proteomic analysis of the <i>Bombyx mori</i> anterior silk gland: An insight into the biosynthetic fiber spinning process. <i>Proteomics</i> , 2013, 13, 2657-2663.	2.2	30
28	Genome-wide identification and expression analysis of serine proteases and homologs in the silkworm <i>Bombyx mori</i> . <i>BMC Genomics</i> , 2010, 11, 405.	2.8	84