

Justin A Jones

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

798
citations

759055

12
h-index

713332

21
g-index

22
all docs

22
docs citations

22
times ranked

837
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic spider silk: a modular fiber. <i>Trends in Biotechnology</i> , 2000, 18, 374-379.	4.9	238
2	Solid-State NMR Comparison of Various Spiders' Dragline Silk Fiber. <i>Biomacromolecules</i> , 2010, 11, 2039-2043.	2.6	65
3	<i>Nephila clavipes</i> Flagelliform Silk-Like GCX Motifs Contribute to Extensibility and Spacer Motifs Contribute to Strength in Synthetic Spider Silk Fibers. <i>Biomacromolecules</i> , 2013, 14, 1751-1760.	2.6	64
4	Mechanical and Physical Properties of Recombinant Spider Silk Films Using Organic and Aqueous Solvents. <i>Biomacromolecules</i> , 2014, 15, 3158-3170.	2.6	64
5	More Than Just Fibers: An Aqueous Method for the Production of Innovative Recombinant Spider Silk Protein Materials. <i>Biomacromolecules</i> , 2015, 16, 1418-1425.	2.6	58
6	Physical and biological regulation of neuron regenerative growth and network formation on recombinant dragline silks. <i>Biomaterials</i> , 2015, 48, 137-146.	5.7	48
7	CRISPR/Cas9 Initiated Transgenic Silkworms as a Natural Spinner of Spider Silk. <i>Biomacromolecules</i> , 2019, 20, 2252-2264.	2.6	47
8	Economic feasibility and environmental impact of synthetic spider silk production from <i>Escherichia coli</i> . <i>New Biotechnology</i> , 2018, 42, 12-18.	2.4	39
9	Sticky Situation: An Investigation of Robust Aqueous-Based Recombinant Spider Silk Protein Coatings and Adhesives. <i>Biomacromolecules</i> , 2016, 17, 3761-3772.	2.6	37
10	Secondary Structure Adopted by the Gly-Gly-X Repetitive Regions of Dragline Spider Silk. <i>International Journal of Molecular Sciences</i> , 2016, 17, 2023.	1.8	29
11	Distinct contributions of model MaSp1 and MaSp2 like peptides to the mechanical properties of synthetic major ampullate silk fibers as revealed in silico. <i>Nanotechnology, Science and Applications</i> , 2008, Volume 1, 9-16.	4.6	24
12	Silkworms with Spider Silklike Fibers Using Synthetic Silkworm Chow Containing Calcium Lignosulfonate, Carbon Nanotubes, and Graphene. <i>ACS Omega</i> , 2019, 4, 4832-4838.	1.6	14
13	The absence of detectable fetal microchimerism in nontransgenic goats (<i>Capra aegagrus hircus</i>) bearing transgenic offspring. <i>Journal of Animal Science</i> , 2012, 90, 481-488.	0.2	12
14	Efficient screening of high-signal and low-background antibody pairs in the bio-bar code assay using prion protein as the target. <i>Analytical Biochemistry</i> , 2008, 382, 60-62.	1.1	11
15	Large scale production of synthetic spider silk proteins in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2021, 183, 105839.	0.6	11
16	Method for the Destruction of Endotoxin in Synthetic Spider Silk Proteins. <i>Scientific Reports</i> , 2018, 8, 12166.	1.6	9
17	Utilizing Recombinant Spider Silk Proteins To Develop a Synthetic Bruchin's Membrane for Modeling the Retinal Pigment Epithelium. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4023-4036.	2.6	8
18	Production and Application of Syringomycin E as an Organic Fungicide Seed Protectant against <i>Pythium</i> Damping-off. <i>Journal of Phytopathology</i> , 2016, 164, 801-810.	0.5	7

#	ARTICLE	IF	CITATIONS
19	The next generation of protein superfibres: robust recombinant production and recovery of hagfish intermediate filament proteins with fibre spinning and mechanical structural characterizations. Microbial Biotechnology, 2021, 14, 1976-1989.	2.0	7
20	Importance of Heat and Pressure for Solubilization of Recombinant Spider Silk Proteins in Aqueous Solution. International Journal of Molecular Sciences, 2016, 17, 1955.	1.8	5
21	Silkworm Silk Fiber Bundles as Improved <i>In Vitro</i> Scaffolds for Skeletal Muscle. ACS Biomaterials Science and Engineering, 2020, 6, 6853-6863.	2.6	1
22	Material Formation of Recombinant Spider Silks through Aqueous Solvation using Heat and Pressure. Journal of Visualized Experiments, 2019, , .	0.2	0