

Cedric Dicko

List of Publications by Year in descending order

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34
papers

914
citations

430874

18
h-index

454955

30
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34
all docs

34
docs citations

34
times ranked

1162
citing authors

#	ARTICLE	IF	CITATIONS
1	Supercritical Carbon Dioxide Impregnation of Gold Nanoparticles Demonstrates a New Route for the Fabrication of Hybrid Silk Materials. <i>Insects</i> , 2022, 13, 18.	2.2	2
2	Site-Specific Introduction of Negative Charges on the Protein Surface for Improving Global Functions of Recombinant Fetal Hemoglobin. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 649007.	3.5	2
3	Conductive and enzyme-like silk fibers for soft sensing application. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111859.	10.1	9
4	3D Structure and Mechanics of Silk Sponge Scaffolds Is Governed by Larger Pore Sizes. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	8
5	NUrFâ€”Optimization of in situ UVâ€”vis and fluorescence and autonomous characterization techniques with small-angle neutron scattering instrumentation. <i>Review of Scientific Instruments</i> , 2020, 91, 075111.	1.3	2
6	Structural Diversity of Native Major Ampullate, Minor Ampullate, Cylindriform, and Flagelliform Silk Proteins in Solution. <i>Biomacromolecules</i> , 2020, 21, 3387-3393.	5.4	5
7	Manganese oxide functionalized silk fibers for enzyme mimic application. <i>Reactive and Functional Polymers</i> , 2020, 151, 104565.	4.1	3
8	Sonication enhances the stability of MnO ₂ nanoparticles on silk film template for enzyme mimic application. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105011.	8.2	14
9	Agâ€”Polymer Nanocomposites for Capture, Detection, and Destruction of Bacteria. <i>ACS Applied Nano Materials</i> , 2019, 2, 1655-1663.	5.0	27
10	Immobilisation of Î²-galactosidase within a lipid sponge phase: structure, stability and kinetics characterisation. <i>Nanoscale</i> , 2019, 11, 21291-21301.	5.6	16
11	The effect of fatty acid binding in the acid isomerizations of albumin investigated with a continuous acidification method. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 168, 109-116.	5.0	3
12	Enhanced extraction of flavonoids from <i>Odontonema strictum</i> leaves with antioxidant activity using supercritical carbon dioxide fluid combined with ethanol. <i>Journal of Supercritical Fluids</i> , 2018, 131, 66-71.	3.2	43
13	Time-Dependent pH Scanning of the Acid-Induced Unfolding of Human Serum Albumin Reveals Stabilization of the Native Form by Palmitic Acid Binding. <i>Journal of Physical Chemistry B</i> , 2017, 121, 4388-4399.	2.6	20
14	Cellulase cross-linked enzyme aggregates (CLEA) activities can be modulated and enhanced by precipitant selection. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 1645-1649.	3.2	19
15	Rapid fabrication and optimization of silk fibers supported and stabilized MnO ₂ catalysts. <i>Fibers and Polymers</i> , 2017, 18, 1660-1670.	2.1	6
16	Fabrication and Optimization of Stable, Optically Transparent, and Reusable pH-Responsive Silk Membranes. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1897.	4.1	0
17	Structural Response of Human Serum Albumin to Oxidation: Biological Buffer to Local Formation of Hypochlorite. <i>Journal of Physical Chemistry B</i> , 2016, 120, 12261-12271.	2.6	13
18	Differential scanning fluorimetry illuminates silk feedstock stability and processability. <i>Soft Matter</i> , 2016, 12, 255-262.	2.7	9

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19	Dimerization of Terminal Domains in Spiders Silk Proteins Is Controlled by Electrostatic Anisotropy and Modulated by Hydrophobic Patches. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 363-371.	5.2	22
20	Characterization and assembly of a GFP-tagged cylindrical silk into hexameric complexes. <i>Biopolymers</i> , 2014, 101, 378-390.	2.4	4
21	Combined SAXS/UV-vis/Raman as a Diagnostic and Structure Resolving Tool in Materials and Life Sciences Applications. <i>Journal of Physical Chemistry B</i> , 2014, 118, 2264-2273.	2.6	23
22	The silkmoth cocoon as humidity trap and waterproof barrier. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2013, 164, 645-652.	1.8	41
23	Behavior of silk protein at the air-water interface. <i>Soft Matter</i> , 2012, 8, 9705.	2.7	35
24	Distinct structural and optical regimes in natural silk spinning. <i>Biopolymers</i> , 2012, 97, 368-373.	2.4	18
25	A novel marine silk. <i>Die Naturwissenschaften</i> , 2012, 99, 3-10.	1.6	26
26	Small angle neutron scattering of native and reconstituted silk fibroin. <i>Soft Matter</i> , 2010, 6, 4389.	2.7	51
27	Structural Disorder in Silk Proteins Reveals the Emergence of Elastomerity. <i>Biomacromolecules</i> , 2008, 9, 216-221.	5.4	48
28	Breaking the 200 nm Limit for Routine Flow Linear Dichroism Measurements Using UV Synchrotron Radiation. <i>Biophysical Journal</i> , 2008, 95, 5974-5977.	0.5	24
29	Spidroins: Enhancing and Controlling Aggregation. <i>Advances in Protein Chemistry</i> , 2006, 73, 17-53.	4.4	40
30	Conformational polymorphism, stability and aggregation in spider dragline silks proteins. <i>International Journal of Biological Macromolecules</i> , 2005, 36, 215-224.	7.5	22
31	Spider Silk Protein Refolding Is Controlled by Changing pH. <i>Biomacromolecules</i> , 2004, 5, 704-710.	5.4	142
32	Structural Conformation of Spidroin in Solution: A Synchrotron Radiation Circular Dichroism Study. <i>Biomacromolecules</i> , 2004, 5, 758-767.	5.4	57
33	Secondary Structures and Conformational Changes in Flagelliform, Cylindrical, Major, and Minor Ampullate Silk Proteins. Temperature and Concentration Effects. <i>Biomacromolecules</i> , 2004, 5, 2105-2115.	5.4	64
34	Transition to a β -Sheet-Rich Structure in Spidroin in Vitro: The Effects of pH and Cations. <i>Biochemistry</i> , 2004, 43, 14080-14087.	2.5	96