Cedric Dicko

List of Publications by Year
in descending order

34	914	430874 18	454955 30
papers	citations	h-index	g-index

34	34	34	1162
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spider Silk Protein Refolding Is Controlled by Changing pH. Biomacromolecules, 2004, 5, 704-710.	5.4	142
2	Transition to a Î²-Sheet-Rich Structure in Spidroin in Vitro:Â The Effects of pH and Cationsâ€. Biochemistry, 2004, 43, 14080-14087.	2.5	96
3	Secondary Structures and Conformational Changes in Flagelliform, Cylindrical, Major, and Minor Ampullate Silk Proteins. Temperature and Concentration Effects. Biomacromolecules, 2004, 5, 2105-2115.	5.4	64
4	Structural Conformation of Spidroin in Solution:Â A Synchrotron Radiation Circular Dichroism Study. Biomacromolecules, 2004, 5, 758-767.	5.4	57
5	Small angle neutron scattering of native and reconstituted silk fibroin. Soft Matter, 2010, 6, 4389.	2.7	51
6	Structural Disorder in Silk Proteins Reveals the Emergence of Elastomericity. Biomacromolecules, 2008, 9, 216-221.	5.4	48
7	Enhanced extraction of flavonoids from Odontonema strictum leaves with antioxidant activity using supercritical carbon dioxide fluid combined with ethanol. Journal of Supercritical Fluids, 2018, 131, 66-71.	3.2	43
8	The silkmoth cocoon as humidity trap and waterproof barrier. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 164, 645-652.	1.8	41
9	Î²â€Silks: Enhancing and Controlling Aggregation. Advances in Protein Chemistry, 2006, 73, 17-53.	4.4	40
10	Behavior of silk protein at the airâ€“water interface. Soft Matter, 2012, 8, 9705.	2.7	35
11	Agâ€“Polymer Nanocomposites for Capture, Detection, and Destruction of Bacteria. ACS Applied Nano Materials, 2019, 2, 1655-1663.	5.0	27
12	A novel marine silk. Die Naturwissenschaften, 2012, 99, 3-10.	1.6	26
13	Breaking the 200 nm Limit for Routine Flow Linear Dichroism Measurements Using UV Synchrotron Radiation. Biophysical Journal, 2008, 95, 5974-5977.	0.5	24
14	Combined SAXS/UVâ€“vis/Raman as a Diagnostic and Structure Resolving Tool in Materials and Life Sciences Applications. Journal of Physical Chemistry B, 2014, 118, 2264-2273.	2.6	23
15	Conformational polymorphism, stability and aggregation in spider dragline silks proteins. International Journal of Biological Macromolecules, 2005, 36, 215-224.	7.5	22
16	Dimerization of Terminal Domains in Spiders Silk Proteins Is Controlled by Electrostatic Anisotropy and Modulated by Hydrophobic Patches. ACS Biomaterials Science and Engineering, 2015, 1, 363-371.	5.2	22
17	Time-Dependent pH Scanning of the Acid-Induced Unfolding of Human Serum Albumin Reveals Stabilization of the Native Form by Palmitic Acid Binding. Journal of Physical Chemistry B, 2017, 121, 4388-4399.	2.6	20
18	Cellulase cross-linked enzyme aggregates (CLEA) activities can be modulated and enhanced by precipitant selection. Journal of Chemical Technology and Biotechnology, 2017, 92, 1645-1649.	3.2	19

#	Article	IF	Citations
19	Distinct structural and optical regimes in natural silk spinning. Biopolymers, 2012, 97, 368-373.	2.4	18
20	Immobilisation of Î²-galactosidase within a lipid sponge phase: structure, stability and kinetics characterisation. Nanoscale, 2019, 11, 21291-21301.	5.6	16
21	Sonication enhances the stability of MnO2 nanoparticles on silk film template for enzyme mimic application. Ultrasonics Sonochemistry, 2020, 64, 105011.	8.2	14
22	Structural Response of Human Serum Albumin to Oxidation: Biological Buffer to Local Formation of Hypochlorite. Journal of Physical Chemistry B, 2016, 120, 12261-12271.	2.6	13
23	Differential scanning fluorimetry illuminates silk feedstock stability and processability. Soft Matter, 2016, 12, 255-262.	2.7	9
24	Conductive and enzyme-like silk fibers for soft sensing application. Biosensors and Bioelectronics, 2020, 150, 111859.	10.1	9
25	3D Structure and Mechanics of Silk Sponge Scaffolds Is Governed by Larger Pore Sizes. Frontiers in Materials, 2020, 7, .	2.4	8
26	Rapid fabrication and optimization of silk fibers supported and stabilized MnO2 catalysts. Fibers and Polymers, 2017, 18, 1660-1670.	2.1	6
27	Structural Diversity of Native Major Ampullate, Minor Ampullate, Cylindriform, and Flagelliform Silk Proteins in Solution. Biomacromolecules, 2020, 21, 3387-3393.	5.4	5
28	Characterization and assembly of a GFPâ€tagged cylindriform silk into hexameric complexes. Biopolymers, 2014, 101, 378-390.	2.4	4
29	The effect of fatty acid binding in the acid isomerizations of albumin investigated with a continuous acidification method. Colloids and Surfaces B: Biointerfaces, 2018, 168, 109-116.	5.0	3
30	Manganese oxide functionalized silk fibers for enzyme mimic application. Reactive and Functional Polymers, 2020, 151, 104565.	4.1	3
31	NUrFâ€"Optimization of in situ UVâ€"vis and fluorescence and autonomous characterization techniques with small-angle neutron scattering instrumentation. Review of Scientific Instruments, 2020, 91, 075111.	1.3	2
32	Site-Specific Introduction of Negative Charges on the Protein Surface for Improving Global Functions of Recombinant Fetal Hemoglobin. Frontiers in Molecular Biosciences, 2021, 8, 649007.	3.5	2
33	Supercritical Carbon Dioxide Impregnation of Gold Nanoparticles Demonstrates a New Route for the Fabrication of Hybrid Silk Materials. Insects, 2022, 13, 18.	2.2	2
34	Fabrication and Optimization of Stable, Optically Transparent, and Reusable pH-Responsive Silk Membranes. International Journal of Molecular Sciences, 2016, 17, 1897.	4.1	0