

Bennett Addison

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Discovery, Biosynthesis and Stress-Related Accumulation of Dolabradiene-Derived Defenses in Maize. <i>Plant Physiology</i> , 2018, 176, 2677-2690.	4.8	94
2	β -Sheet Nanocrystalline Domains Formed from Phosphorylated Serine-Rich Motifs in Caddisfly Larval Silk: A Solid State NMR and XRD Study. <i>Biomacromolecules</i> , 2013, 14, 1140-1148.	5.4	69
3	Combining flagelliform and dragline spider silk motifs to produce tunable synthetic biopolymer fibers. <i>Biopolymers</i> , 2012, 97, 418-431.	2.4	67
4	Mechanical and Physical Properties of Recombinant Spider Silk Films Using Organic and Aqueous Solvents. <i>Biomacromolecules</i> , 2014, 15, 3158-3170.	5.4	64
5	Cell Migration and Bone Formation from Mesenchymal Stem Cell Spheroids in Alginate Hydrogels Are Regulated by Adhesive Ligand Density. <i>Biomacromolecules</i> , 2017, 18, 4331-4340.	5.4	62
6	Hierarchical spidroin micellar nanoparticles as the fundamental precursors of spider silks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11507-11512.	7.1	46
7	Functional Diversity of Diterpene Synthases in the Biofuel Crop Switchgrass. <i>Plant Physiology</i> , 2018, 178, 54-71.	4.8	44
8	Synthesis of Benzodihydrofurans by Asymmetric C-H Insertion Reactions of Donor/Donor Rhodium Carbenes. <i>Chemistry - A European Journal</i> , 2017, 23, 11843-11855.	3.3	43
9	Reversible Assembly of β -Sheet Nanocrystals within Caddisfly Silk. <i>Biomacromolecules</i> , 2014, 15, 1269-1275.	5.4	34
10	Condensed Tannin Reacts with SO ₂ during Wine Aging, Yielding Flavan-3-ol Sulfonates. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 9259-9268.	5.2	34
11	Surface and Wetting Properties of Embiopteran (Webspinner) Nanofiber Silk. <i>Langmuir</i> , 2016, 32, 4681-4687.	3.5	27
12	Biosynthesis of the oxygenated diterpene nezuol in the medicinal plant <i>Isodon rubescens</i> is catalyzed by a pair of diterpene synthases. <i>PLoS ONE</i> , 2017, 12, e0176507.	2.5	27
13	Gold nanoparticle-doped silk film as biocompatible SERS substrate. <i>RSC Advances</i> , 2015, 5, 1937-1942.	3.6	25
14	Structural characterization of nanofiber silk produced by embiopterans (web-spinners). <i>RSC Advances</i> , 2014, 4, 41301-41313.	3.6	20
15	Mechanically induced pyrogallol[4]arene hexamer assembly in the solid state extends the scope of molecular encapsulation. <i>Chemical Science</i> , 2017, 8, 7737-7745.	7.4	17
16	Substitution of Two Active-Site Residues Alters C ₉ -Hydroxylation in a Class-II Diterpene Synthase. <i>ChemBioChem</i> , 2016, 17, 2304-2307.	2.6	16
17	Cellobionic acid inhibition of cellobiohydrolase I and cellobiose dehydrogenase. <i>Biochemical Engineering Journal</i> , 2016, 109, 236-242.	3.6	15
18	Hybrid Chemomechanical Plastics Recycling: Solvent-Free, High-Speed Reactive Extrusion of Low-Density Polyethylene. <i>ChemSusChem</i> , 2021, 14, 4280-4290.	6.8	15

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19	Functional characterization of the cytochrome P450 monooxygenase CYP71AU87 indicates a role in marrubiin biosynthesis in the medicinal plant <i>Marrubium vulgare</i> . <i>BMC Plant Biology</i> , 2019, 19, 114.	3.6	14
20	Hydration-Induced ^{12}C -Sheet Crosslinking of ^{13}C -Helical-Rich Spider Prey-Wrapping Silk. <i>Advanced Functional Materials</i> , 2021, 31, 2007161.	14.9	14
21	Probing the binding modes and dynamics of histidine on fumed silica surfaces by solid-state NMR. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20349-20361.	2.8	12
22	Direct determination of cellulosic glucan content in starch-containing samples. <i>Cellulose</i> , 2021, 28, 1989-2002.	4.9	12
23	Selective One-Dimensional ^{13}C - ^{13}C Spin-Diffusion Solid-State Nuclear Magnetic Resonance Methods to Probe Spatial Arrangements in Biopolymers Including Plant Cell Walls, Peptides, and Spider Silk. <i>Journal of Physical Chemistry B</i> , 2020, 124, 9870-9883.	2.6	11
24	Antioxidant Sensing by Spiropyran: Substituent Effects and NMR Spectroscopic Studies. <i>Journal of Physical Chemistry B</i> , 2019, 123, 6799-6809.	2.6	10
25	Investigating the Atomic and Mesoscale Interactions that Facilitate Spider Silk Protein Pre-Assembly. <i>Biomacromolecules</i> , 2021, 22, 3377-3385.	5.4	6
26	^2H NMR reveals liquid state-like dynamics of arene guests inside hexameric pyrogallol[4]arene capsules in the solid state. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1361-1366.	4.5	1
27	Hierarchical Spidroin Micellar Nanoparticles as the Precursors of Spider Silks. <i>Microscopy and Microanalysis</i> , 2019, 25, 1346-1347.	0.4	0