

Bennett Addison

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

546
citations

14
h-index

23
g-index

28
ext. papers

696
ext. citations

5.6
avg, IF

3.7
L-index

#	Paper	IF	Citations
27	Combining flagelliform and dragline spider silk motifs to produce tunable synthetic biopolymer fibers. <i>Biopolymers</i> , 2012 , 97, 418-31	2.2	57
26	βSheet nanocrystalline domains formed from phosphorylated serine-rich motifs in caddisfly larval silk: a solid state NMR and XRD study. <i>Biomacromolecules</i> , 2013 , 14, 1140-8	6.9	57
25	Discovery, Biosynthesis and Stress-Related Accumulation of Dolabradiene-Derived Defenses in Maize. <i>Plant Physiology</i> , 2018 , 176, 2677-2690	6.6	55
24	Mechanical and physical properties of recombinant spider silk films using organic and aqueous solvents. <i>Biomacromolecules</i> , 2014 , 15, 3158-70	6.9	54
23	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	6.9	44
22	Synthesis of Benzodihydrofurans by Asymmetric C-H Insertion Reactions of Donor/Donor Rhodium Carbenes. <i>Chemistry - A European Journal</i> , 2017 , 23, 11843-11855	4.8	33
21	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	11.5	30
20	Reversible assembly of βsheet nanocrystals within caddisfly silk. <i>Biomacromolecules</i> , 2014 , 15, 1269-75	6.9	27
19	Functional Diversity of Diterpene Synthases in the Biofuel Crop Switchgrass. <i>Plant Physiology</i> , 2018 , 178, 54-71	6.6	21
18	Surface and Wetting Properties of Embiopteran (Webspinner) Nanofiber Silk. <i>Langmuir</i> , 2016 , 32, 4681-74	7.4	21
17	Condensed Tannin Reacts with SO during Wine Aging, Yielding Flavan-3-ol Sulfonates. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 9259-9268	5.7	21
16	Gold nanoparticle-doped silk film as biocompatible SERS substrate. <i>RSC Advances</i> , 2015 , 5, 1937-1942	3.7	19
15	Structural characterization of nanofiber silk produced by embiopterans (webspinners). <i>RSC Advances</i> , 2014 , 4, 41301-41313	3.7	18
14	Biosynthesis of the oxygenated diterpene nezukol in the medicinal plant <i>Isodon rubescens</i> is catalyzed by a pair of diterpene synthases. <i>PLoS ONE</i> , 2017 , 12, e0176507	3.7	17
13	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	9.4	13
12	Cellobionic acid inhibition of cellobiohydrolase I and cellobiose dehydrogenase. <i>Biochemical Engineering Journal</i> , 2016 , 109, 236-242	4.2	12
11	Substitution of Two Active-Site Residues Alters C9-Hydroxylation in a Class II Diterpene Synthase. <i>ChemBioChem</i> , 2016 , 17, 2304-2307	3.8	9

10	Hydration-Induced Sheet Crosslinking of Helical-Rich Spider Prey-Wrapping Silk. <i>Advanced Functional Materials</i> , 2021 , 31, 2007161	15.6	7
9	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	5.3	6
8	Selective One-Dimensional C-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	3.4	6
7	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	3.6	5
6	Hybrid Chemomechanical Plastics Recycling: Solvent-free, High-Speed Reactive Extrusion of Low-Density Polyethylene. <i>ChemSusChem</i> , 2021 , 14, 4280-4290	8.3	5
5	Direct determination of cellulosic glucan content in starch-containing samples. <i>Cellulose</i> , 2021 , 28, 1989-2002	3.9	4
4	Antioxidant Sensing by Spiroyrans: Substituent Effects and NMR Spectroscopic Studies. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 6799-6809	3.4	3
3	¹ H 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	5.2	1
2	Investigating the Atomic and Mesoscale Interactions that Facilitate Spider Silk Protein Pre-Assembly. <i>Biomacromolecules</i> , 2021 , 22, 3377-3385	6.9	1
1	Hierarchical Spidroin Micellar Nanoparticles as the Precursors of Spider Silks. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1346-1347	0.5	