

Mark A Townley

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

701
citations

933447

10
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

392
citing authors

#	ARTICLE	IF	CITATIONS
1	Compounds in the droplets of the orb spider's viscid spiral. <i>Nature</i> , 1990, 345, 526-528.	27.8	206
2	Comparative study of orb web hygroscopicity and adhesive spiral composition in three araneid spiders. <i>The Journal of Experimental Zoology</i> , 1991, 259, 154-165.	1.4	102
3	Changes in composition of spider orb web sticky droplets with starvation and web removal, and synthesis of sticky droplet compounds. <i>Journal of Experimental Biology</i> , 2006, 209, 1463-1486.	1.7	76
4	The Adhesive Glycoprotein of the Orb Web of <i>Argiope Aurantia</i> (Araneae, Araneidae). <i>Materials Research Society Symposia Proceedings</i> , 1992, 292, 9.	0.1	42
5	VARIATION IN THE CHEMICAL COMPOSITION OF ORB WEBS BUILT BY THE SPIDER NEPHILA CLAVIPES (ARANEAE, TETRAGNATHIDAE). <i>Journal of Arachnology</i> , 2001, 29, 82-94.	0.5	42
6	Aggregate Silk Gland Secretions of Araneoid Spiders. , 2013, , 283-302.		40
7	Chemistry, Physical Properties, and Synthesis of Araneidae Orb Webs. , 1987, , 203-210.		29
8	ON THE USE OF AMPULLATE GLAND SILKS BY WOLF SPIDERS (ARANEAE, LYCOSIDAE) FOR ATTACHING THE EGG SAC TO THE SPINNERETS AND A PROPOSAL FOR DEFINING NUBBINS AND TARTIPORES. <i>Journal of Arachnology</i> , 2003, 31, 209-245.	0.5	26
9	Astacin family metallopeptidases and serine peptidase inhibitors in spider digestive fluid. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 143, 257-268.	1.6	26
10	Selected aspects of spinning apparatus development in <i>Araneus cavaticus</i> (Araneae, Araneidae). <i>Journal of Morphology</i> , 1991, 208, 175-191.	1.2	20
11	Fine structural analysis of secretory silk production in the black widow spider, <i>Latrodectus mactans</i> . <i>Korean Journal of Biological Sciences</i> , 1998, 2, 145-152.	0.1	16
12	Developmental changes in spider spinning fields: a comparison between <i>Mimetus</i> and <i>Araneus</i> (Araneae:) <i>Tj ETQq0,0,0 rgBT /Overlock 1</i>	1.6	15
13	Small Organic Solutes in Sticky Droplets from Orb Webs of the Spider <i>Zygiella atrica</i> (Araneae;) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 1</i> 2159-2174.	2.1	15
14	Functional Nanoassemblies with Mirror-Image Chiroptical Properties Templated by a Single Homochiral DNA Strand. <i>Chemistry of Materials</i> , 2020, 32, 2272-2281.	6.7	10
15	Silk Glands of Araneid Spiders. <i>ACS Symposium Series</i> , 1993, , 29-44.	0.5	9
16	Free amino acids in spider hemolymph. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 151, 286-295.	1.6	6
17	Phylogenetic affinities of <i>Phobetinus</i> to other pirate spider genera (Araneae: Mimetidae) as indicated by spinning field morphology. <i>Arthropod Structure and Development</i> , 2013, 42, 407-423.	1.4	6
18	From Spinning Silk to Spreading Saliva: Mouthpart Remodeling in <i>Manduca sexta</i> (Lepidoptera:) <i>Tj ETQq0 0 0,rgBT /Overlock 10</i>	1.7	6

#	ARTICLE	IF	CITATIONS
19	Comparative study of spinning field development in two species of araneophagic spiders (Araneae,) Tj ETQq1 1 0.784314 rgBT /Overl	0.7	5
20	Hers and his: Silk glands used in egg sac construction by female spiders potentially repurposed by a "modern" male spider. Scientific Reports, 2020, 10, 6663.	3.3	3
21	Temperature fluctuations during embryonic development implicated in a naturally occurring instance of abnormal spinnerets in the spider Australomimetes maculosus (Araneae, Mimetidae). Arthropod Structure and Development, 2020, 57, 100945.	1.4	1