

Gaurav Amarpuri

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3667197/publications.pdf>

Version: 2024-02-01

7
papers

238
citations

1307594

7
h-index

1720034

7
g-index

7
all docs

7
docs citations

7
times ranked

270
citing authors

#	ARTICLE	IF	CITATIONS
1	Hygroscopic compounds in spider aggregate glue remove interfacial water to maintain adhesion in humid conditions. <i>Nature Communications</i> , 2018, 9, 1890.	12.8	75
2	Spiders Tune Glue Viscosity to Maximize Adhesion. <i>ACS Nano</i> , 2015, 9, 11472-11478.	14.6	58
3	Ubiquitous distribution of salts and proteins in spider glue enhances spider silk adhesion. <i>Scientific Reports</i> , 2015, 5, 9030.	3.3	37
4	Role of Hygroscopic Low Molecular Mass Compounds in Humidity Responsive Adhesion of Spider's Capture Silk. <i>Biomacromolecules</i> , 2018, 19, 3048-3057.	5.4	24
5	Adhesion modulation using glue droplet spreading in spider capture silk. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170228.	3.4	17
6	Supersaturation with water explains the unusual adhesion of aggregate glue in the webs of the moth-specialist spider, <i>Cyrtarachne akirai</i> . <i>Royal Society Open Science</i> , 2018, 5, 181296.	2.4	15
7	The moth specialist spider <i>Cyrtarachne akirai</i> uses prey scales to increase adhesion. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20190792.	3.4	12