

Dagmar Voigt

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,549
citations

361296

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330025

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docs citations

66
times ranked

1402
citing authors

#	ARTICLE	IF	CITATIONS
1	A Self-Assembled Matrix System for Cell Bioengineering Applications in Different Dimensions, Scales, and Geometries. <i>Small</i> , 2022, 18, e2104758.	5.2	3
2	“Push and Pull” Biomechanics of the Pollination Apparatus of <i>Oncidium</i> spp.. <i>Frontiers in Mechanical Engineering</i> , 2021, 6, .	0.8	1
3	Eukaryotic Cell Biomimetics: Construction of Eukaryotic Cell Biomimetics: Hierarchical Polymersomes-Proteinosome Multicompartment with Enzymatic Reactions Modulated Protein Transportation (Small 7/2021). <i>Small</i> , 2021, 17, 2170026.	5.2	0
4	Convergent synthesis of diversified reversible network leads to liquid metal-containing conductive hydrogel adhesives. <i>Nature Communications</i> , 2021, 12, 2407.	5.8	70
5	Conductive Hydrogels with Dynamic Reversible Networks for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100012.	3.9	47
6	Cuticular Hydrocarbon Trails Released by Host Larvae Lose their Kairomonal Activity for Parasitoids by Solidification. <i>Journal of Chemical Ecology</i> , 2021, 47, 998-1013.	0.9	4
7	Construction of Eukaryotic Cell Biomimetics: Hierarchical Polymersomes-Proteinosome Multicompartment with Enzymatic Reactions Modulated Protein Transportation. <i>Small</i> , 2021, 17, e2005749.	5.2	26
8	A vegetable oil-based biopesticide with ovicidal activity against the two-spotted spider mite, <i>Tetranychus urticae</i> Koch. <i>Engineering in Life Sciences</i> , 2020, 20, 525-534.	2.0	5
9	Comparison of tarsal attachment in two closely related leaf beetle species. <i>Journal of Insect Physiology</i> , 2020, 127, 104158.	0.9	3
10	Robust, universal, and persistent bud secretion adhesion in horse-chestnut trees. <i>Scientific Reports</i> , 2020, 10, 16925.	1.6	8
11	Sperm-Particle Interactions and Their Prospects for Charge Mapping. <i>Advanced Biology</i> , 2019, 3, e1900061.	3.0	21
12	Charge Mapping: Sperm-Particle Interactions and Their Prospects for Charge Mapping (Adv. Biosys.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	3.6	0
13	Foothold matters: attachment on plant surfaces promotes the vitality of omnivorous mirid bugs <i>Dicyphus errans</i> . <i>Arthropod-Plant Interactions</i> , 2019, 13, 819-834.	0.5	6
14	Cytocompatible, Injectable, and Electroconductive Soft Adhesives with Hybrid Covalent/Noncovalent Dynamic Network. <i>Advanced Science</i> , 2019, 6, 1802077.	5.6	84
15	Evidence for a sexually selected function of the attachment system in bedbugs <i>Cimex lectularius</i> (Heteroptera, Cimicidae). <i>Journal of Experimental Biology</i> , 2019, 222, .	0.8	3
16	Ten years of “APIS”™ impact: 10 years in communication and advance toward understanding complex arthropod-plant interactions. <i>Arthropod-Plant Interactions</i> , 2019, 13, 153-155.	0.5	1
17	Anchoring of greenhouse whitefly eggs on different rose cultivars. <i>Arthropod-Plant Interactions</i> , 2019, 13, 335-348.	0.5	4
18	Inter- and intraspecific differences in leaf beetle attachment on rigid and compliant substrates. <i>Journal of Zoology</i> , 2019, 307, 1-8.	0.8	8

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19	Gripping ease in southern green stink bugs <i>Nezara viridula</i> L. (Heteroptera: Pentatomidae): Coping with geometry, orientation and surface wettability of substrate. <i>Entomological Science</i> , 2019, 22, 105-118.	0.3	14
20	Attachment ability of the southern green stink bug, <i>Nezara viridula</i> (L.), on plant surfaces. <i>Arthropod-Plant Interactions</i> , 2018, 12, 415-421.	0.5	11
21	Herbivory-responsive calmodulin-like protein CML9 does not guide jasmonate-mediated defenses in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2018, 13, e0197633.	1.1	17
22	Changes in tarsal morphology and attachment ability to rough surfaces during ontogenesis in the beetle <i>Gastrophysa viridula</i> (Coleoptera, Chrysomelidae). <i>Arthropod Structure and Development</i> , 2017, 46, 130-137.	0.8	20
23	Attachment of honeybees and greenbottle flies to petal surfaces. <i>Arthropod-Plant Interactions</i> , 2017, 11, 171-192.	0.5	30
24	Functional morphology of tarsal adhesive pads and attachment ability in ticks <i>Ixodes ricinus</i> (Arachnida, Acari, Ixodidae). <i>Journal of Experimental Biology</i> , 2017, 220, 1984-1996.	0.8	16
25	Extracellular ice management in the frost hardy horsetail <i>Equisetum hyemale</i> L.. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2017, 234, 207-214.	0.6	15
26	How tight are beetle hugs? Attachment in mating leaf beetles. <i>Royal Society Open Science</i> , 2017, 4, 171108.	1.1	18
27	Strongest grip on the rod: tarsal morphology and attachment of Japanese pine sawyer beetles. <i>Zoological Letters</i> , 2017, 3, 16.	0.7	15
28	Plant pressure sensitive adhesives: similar chemical properties in distantly related plant lineages. <i>Planta</i> , 2016, 244, 145-154.	1.6	9
29	In situ visualization of spider mite-plant interfaces. <i>Journal of the Acarological Society of Japan</i> , 2016, 25, S119-S132.	0.4	4
30	Locomotion and attachment of leaf beetle larvae <i>Gastrophysa viridula</i> (Coleoptera, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (1.5	17
31	A universal glue: underwater adhesion of the secretion of the carnivorous flypaper plant <i>Roridula gorgonias</i> . <i>Interface Focus</i> , 2015, 5, 20140053.	1.5	12
32	Egg adhesion of the codling moth <i>Cydia pomonella</i> L. (Lepidoptera, Tortricidae) to various substrates: II. Fruit surfaces of different apple cultivars. <i>Arthropod-Plant Interactions</i> , 2014, 8, 57-77.	0.5	17
33	New results on sexual differences in tarsal adhesive setae of <i>Diabrotica virgifera virgifera</i> LeConte (Coleoptera, Chrysomelidae, Galerucinae). <i>European Journal of Environmental Sciences</i> , 2014, 4, 97-101.	0.6	4
34	Integument and defence in larva and prepupa of a sawfly living on a semi-aquatic plant. <i>Die Naturwissenschaften</i> , 2013, 100, 107-110.	0.6	3
35	Leaf beetle attachment on wrinkles: isotropic friction on anisotropic surfaces. <i>Journal of Experimental Biology</i> , 2012, 215, 1975-1982.	0.8	40
36	Leaf surface structures enable the endemic Namib desert grass <i>Stipagrostis sabulicola</i> to irrigate itself with fog water. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1965-1974.	1.5	158

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37	Shoe soles for the gripping robot: Searching for polymer-based materials maximising friction. <i>Robotics and Autonomous Systems</i> , 2012, 60, 1046-1055.	3.0	30
38	Egg adhesion of the codling moth <i>Cydia pomonella</i> L. (Lepidoptera, Tortricidae) to various substrates: I. Leaf surfaces of different apple cultivars. <i>Arthropod-Plant Interactions</i> , 2012, 6, 471-488.	0.5	21
39	Attachment ability of sawfly larvae to smooth surfaces. <i>Arthropod Structure and Development</i> , 2012, 41, 145-153.	0.8	18
40	Visualization of Small Water Droplets on Surfaces with Different Degree of Wettability by Using Cryo-Scanning Electron Microscopy. <i>Journal of Advanced Microscopy Research</i> , 2012, 7, 64-67.	0.3	4
41	On the laboratory rearing of green dock leaf beetles <i>Gastrophysa viridula</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58	1.5	10
42	Superhydrophobic cuticle with a "œpinning effect" in the larvae of the iris sawfly, <i>Rhadinoceraea micans</i> (Hymenoptera, Tenthredinidae). <i>Zoology</i> , 2011, 114, 265-271.	0.6	7
43	Crystalline wax coverage of the cuticle in easy bleeding sawfly larvae. <i>Arthropod Structure and Development</i> , 2011, 40, 186-189.	0.8	9
44	Always on the bright side: the climbing mechanism of <i>Galium aparine</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 2233-2239.	1.2	44
45	Desiccation resistance of adhesive secretion in the protocarnivorous plant <i>Roridula gorgonias</i> as an adaptation to periodically dry environment. <i>Planta</i> , 2010, 232, 1511-1515.	1.6	11
46	Locomotion in a sticky terrain. <i>Arthropod-Plant Interactions</i> , 2010, 4, 69-79.	0.5	36
47	Attachment ability of the codling moth <i>Cydia pomonella</i> L. to rough substrates. <i>Journal of Insect Physiology</i> , 2010, 56, 1966-1972.	0.9	31
48	Temporary stay at various environmental humidities affects attachment ability of Colorado potato beetles <i>Leptinotarsa decemlineata</i> (Coleoptera, Chrysomelidae). <i>Journal of Zoology</i> , 2010, 281, 227-231.	0.8	14
49	Extensive collection of femtolitre pad secretion droplets in the beetle <i>Leptinotarsa decemlineata</i> allows nanolitre microrheology. <i>Journal of the Royal Society Interface</i> , 2010, 7, 1745-1752.	1.5	32
50	Egg attachment of the asparagus beetle <i>Crioceris asparagi</i> to the crystalline waxy surface of <i>Asparagus officinalis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 895-903.	1.2	49
51	Cryo-scanning electron microscopy studies of pits in <i>Pinus Wallichiana</i> and <i>Mallotus Japonicus</i> . <i>IAWA Journal</i> , 2010, 31, 257-267.	2.7	4
52	Hierarchical organisation of the trap in the protocarnivorous plant <i>Roridula gorgonias</i> (Roridulaceae). <i>Journal of Experimental Biology</i> , 2009, 212, 3184-3191.	0.8	16
53	Tarsal morphology and attachment ability of the codling moth <i>Cydia pomonella</i> L. (Lepidoptera,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58	0.9	32
54	Tomato-aphid-hoverfly: a tritrophic interaction incompatible for pest management. <i>Arthropod-Plant Interactions</i> , 2009, 3, 141-149.	0.5	29

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55	Visualization of Epicuticular Grease on the Covering Wings in the Colorado Potato Beetle: A Scanning Probe Approach. <i>Nanoscience and Technology</i> , 2009, , 1-16.	1.5	6
56	Attachment force of the beetle <i>Cryptolaemus montrouzieri</i> (Coleoptera, Coccinellidae) on leaflet surfaces of mutants of the pea <i>Pisum sativum</i> (Fabaceae) with regular and reduced wax coverage. <i>Arthropod-Plant Interactions</i> , 2008, 2, 247-259.	0.5	57
57	Skating and diving: Changes in functional morphology of the setal and microtrichial cover during ontogenesis in <i>Aquarius paludum fabricius</i> (Heteroptera, Gerridae). <i>Journal of Morphology</i> , 2008, 269, 734-744.	0.6	15
58	Sexual dimorphism in the attachment ability of the Colorado potato beetle <i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae) to rough substrates. <i>Journal of Insect Physiology</i> , 2008, 54, 765-776.	0.9	165
59	An insect trap as habitat: cohesion-failure mechanism prevents adhesion of <i>Pameridea roridulae</i> bugs to the sticky surface of the plant <i>Roridula gorgonias</i> . <i>Journal of Experimental Biology</i> , 2008, 211, 2647-2657.	0.8	50
60	INSPIRAT – TOWARDS A BIOLOGICALLY INSPIRED CLIMBING ROBOT FOR THE INSPECTION OF LINEAR STRUCTURES. , 2008, , .		11
61	Insect Epicuticular Grease Visualised by Scanning Probe Microscopy. <i>Microscopy Today</i> , 2008, 16, 42-45.	0.2	31
62	Plant surface – bug interactions: <i>Dicyphus errans</i> stalking along trichomes. <i>Arthropod-Plant Interactions</i> , 2007, 1, 221-243.	0.5	98