

Ruth MÃ¼ller

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

2,402
citations

236925

25
h-index

243625

44
g-index

80
all docs

80
docs citations

80
times ranked

3092
citing authors

#	ARTICLE	IF	CITATIONS
1	Gender disparities in high-quality research revealed by Nature Index journals. PLoS ONE, 2018, 13, e0189136.	2.5	256
2	Pathways linking biodiversity to human health: A conceptual framework. Environment International, 2021, 150, 106420.	10.0	210
3	Impact of oceanic warming on the distribution of seaweeds in polar and cold-temperate waters. Botanica Marina, 2009, 52, 617-638.	1.2	195
4	Knowledge, attitude, and practice regarding dengue virus infection among inhabitants of Aceh, Indonesia: a cross-sectional study. BMC Infectious Diseases, 2018, 18, 96.	2.9	102
5	Interactive effects of radiation, temperature and salinity on different life history stages of the Arctic kelp <i>Alaria esculenta</i> (Phaeophyceae). Oecologia, 2009, 160, 483-492.	2.0	99
6	Interactive effects of UV radiation and temperature on microstages of Laminariales (Phaeophyceae) from the Arctic and North Sea. Climate Research, 2008, 37, 203-213.	1.1	74
7	Gene-drive suppression of mosquito populations in large cages as a bridge between lab and field. Nature Communications, 2021, 12, 4589.	12.8	59
8	A paternal methyl donor-rich diet altered cognitive and neural functions in offspring mice. Molecular Psychiatry, 2018, 23, 1345-1355.	7.9	53
9	Epigenetic alterations and decreasing insecticide sensitivity of the Asian tiger mosquito <i>Aedes albopictus</i> . Ecotoxicology and Environmental Safety, 2015, 122, 45-53.	6.0	51
10	Spatio-Temporal Distribution of Dengue and Lymphatic Filariasis Vectors along an Altitudinal Transect in Central Nepal. PLoS Neglected Tropical Diseases, 2014, 8, e3035.	3.0	48
11	Life stage-specific effects of the fungicide pyrimethanil and temperature on the snail <i>Physella acuta</i> (Draparnaud, 1805) disclose the pitfalls for the aquatic risk assessment under global climate change. Environmental Pollution, 2013, 174, 1-9.	7.5	45
12	Physiological responses of polar benthic algae to ultraviolet radiation. Botanica Marina, 2009, 52, 639-654.	1.2	43
13	Aquatic ecotoxicity of the fungicide pyrimethanil: Effect profile under optimal and thermal stress conditions. Environmental Pollution, 2012, 168, 161-169.	7.5	42
14	Does livestock protect from malaria or facilitate malaria prevalence? A cross-sectional study in endemic rural areas of Indonesia. Malaria Journal, 2018, 17, 302.	2.3	42
15	Thermal experiments with the Asian bush mosquito (<i>Aedes japonicus japonicus</i>) (Diptera: Culicidae) and implications for its distribution in Germany. Parasites and Vectors, 2018, 11, 81.	2.5	42
16	Spatial modelling of malaria cases associated with environmental factors in South Sumatra, Indonesia. Malaria Journal, 2018, 17, 87.	2.3	40
17	Community acceptance and willingness-to-pay for a hypothetical Zika vaccine: A cross-sectional study in Indonesia. Vaccine, 2019, 37, 1398-1406.	3.8	40
18	Acceptance and willingness to pay for a hypothetical vaccine against monkeypox viral infection among frontline physicians: A cross-sectional study in Indonesia. Vaccine, 2020, 38, 6800-6806.	3.8	40

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19	Effects of ultraviolet radiation and temperature on the ultrastructure of zoospores of the brown macroalga <i>Laminaria hyperborea</i> . <i>Plant Biology</i> , 2008, 10, 388-397.	3.8	39
20	Spatial Accessibility of Primary Care in England: A Cross-sectional Study Using a Floating Catchment Area Method. <i>Health Services Research</i> , 2018, 53, 1957-1978.	2.0	37
21	Particulate Matter Emissions of Four Different Cigarette Types of One Popular Brand: Influence of Tobacco Strength and Additives. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 263.	2.6	34
22	Simulated climate change conditions unveil the toxic potential of the fungicide pyrimethanil on the midge <i>Chironomus riparius</i> : a multigeneration experiment. <i>Ecology and Evolution</i> , 2012, 2, 196-210.	1.9	32
23	Knowledge and awareness of hepatitis B among households in Malaysia: a community-based cross-sectional survey. <i>BMC Public Health</i> , 2019, 19, 47.	2.9	32
24	Social determinants of malaria in an endemic area of Indonesia. <i>Malaria Journal</i> , 2019, 18, 134.	2.3	31
25	The ecophysiological plasticity of <i>Aedes aegypti</i> and <i>Aedes albopictus</i> concerning overwintering in cooler ecoregions is driven by local climate and acclimation capacity. <i>Science of the Total Environment</i> , 2021, 778, 146128.	8.0	29
26	Zoospores of Three Arctic Laminariales Under Different UV Radiation and Temperature Conditions: Exceptional Spectral Absorbance Properties and Lack of Phlorotannin Induction. <i>Photochemistry and Photobiology</i> , 2009, 85, 970-977.	2.5	27
27	Climate change: Does international research fulfill global demands and necessities?. <i>Environmental Sciences Europe</i> , 2020, 32, 137.	5.5	27
28	UV radiation and elevated temperatures induce formation of reactive oxygen species in gametophytes of cold-temperate/Arctic kelps (Laminariales, Phaeophyceae). <i>Phycological Research</i> , 2012, 60, 27-36.	1.6	26
29	Interactive effects of xenobiotic, abiotic and biotic stressors on <i>Daphnia pulex</i> —Results from a multiple stressor experiment with a fractional multifactorial design. <i>Aquatic Toxicology</i> , 2013, 138-139, 105-115.	4.0	25
30	Effects of diapause and cold acclimation on egg ultrastructure: new insights into the cold hardiness mechanisms of the Asian tiger mosquito <i>Aedes (Stegomyia) albopictus</i> . <i>Journal of Vector Ecology</i> , 2016, 41, 142-150.	1.0	24
31	Larval superiority of <i>Culex pipiens</i> to <i>Aedes albopictus</i> in a replacement series experiment: prospects for coexistence in Germany. <i>Parasites and Vectors</i> , 2018, 11, 80.	2.5	24
32	Does winter cold really limit the dengue vector <i>Aedes aegypti</i> in Europe?. <i>Parasites and Vectors</i> , 2020, 13, 178.	2.5	24
33	A Code of Ethics for Gene Drive Research. <i>CRISPR Journal</i> , 2021, 4, 19-24.	2.9	24
34	Community Willingness to Participate in a Dengue Study in Aceh Province, Indonesia. <i>PLoS ONE</i> , 2016, 11, e0159139.	2.5	22
35	Cold tolerance of the Asian tiger mosquito <i>Aedes albopictus</i> and its response to epigenetic alterations. <i>Journal of Insect Physiology</i> , 2017, 99, 113-121.	2.0	19
36	Vector-Borne Diseases. , 2019, , 67-90.		19

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37	Atropine-sensitive hippocampal theta oscillations are mediated by Cav2.3 R-type Ca ²⁺ channels. <i>Neuroscience</i> , 2012, 205, 125-139.	2.3	18
38	Threats of Zika virus transmission for Asia and its Hindu-Kush Himalayan region. <i>Infectious Diseases of Poverty</i> , 2018, 7, 40.	3.7	18
39	Impact of temperature and nutrition on the toxicity of the insecticide ß-cyhalothrin in full-lifecycle tests with the target mosquito species <i>Aedes albopictus</i> and <i>Culex pipiens</i> . <i>Journal of Pest Science</i> , 2014, 87, 739-750.	3.7	17
40	Particulate Matter in Second-Hand Smoke Emitted from Different Cigarette Sizes and Types of the Brand Vogue Mainly Smoked by Women. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 799.	2.6	17
41	Modelling seasonal dynamics, population stability, and pest control in <i>Aedes japonicus japonicus</i> (Diptera: Culicidae). <i>Parasites and Vectors</i> , 2019, 12, 142.	2.5	16
42	High particulate matter emission from additive-free Natural American Spirit cigarettes. <i>SpringerPlus</i> , 2016, 5, 1958.	1.2	15
43	Knowledge and attitude towards pregnancy-related issues of Zika virus infection among general practitioners in Indonesia. <i>BMC Infectious Diseases</i> , 2019, 19, 693.	2.9	15
44	The human motion VEP as a function of size and eccentricity of the stimulation field. <i>Documenta Ophthalmologica</i> , 1990, 76, 81-89.	2.2	14
45	Appropriate Larval Food Quality and Quantity for <i>Aedes albopictus</i> (Diptera: Culicidae). <i>Journal of Medical Entomology</i> , 2013, 50, 668-673.	1.8	14
46	Adaptive growth reduction in response to fish kairomones allows mosquito larvae (<i>Culex pipiens</i>) to reduce predation risk. <i>Aquatic Sciences</i> , 2016, 78, 303-314.	1.5	14
47	Mobile Measurements of Particulate Matter in a Car Cabin: Local Variations, Contrasting Data from Mobile versus Stationary Measurements and the Effect of an Opened versus a Closed Window. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2642.	2.6	14
48	Detecting the population dynamics of an autosomal sex ratio distorter transgene in malaria vector mosquitoes. <i>Journal of Applied Ecology</i> , 2020, 57, 2086-2096.	4.0	14
49	Motion VEPs with simultaneous measurement of perceived velocity. <i>Documenta Ophthalmologica</i> , 1998, 97, 121-134.	2.2	13
50	Phenotypic and epigenetic effects of vinclozolin in the gastropod <i>Physella acuta</i> . <i>Journal of Molluscan Studies</i> , 2016, 82, 320-327.	1.2	13
51	Epigenetics: A Hidden Target of Insecticides. <i>Advances in Insect Physiology</i> , 2017, , 313-324.	2.7	13
52	Particulate matter emissions of four types of one cigarette brand with and without additives: a laser spectrometric particulate matter analysis of secondhand smoke. <i>BMJ Open</i> , 2019, 9, e024400.	1.9	13
53	Long-term effects of the fungicide pyrimethanil on aquatic primary producers in macrophyte-dominated outdoor mesocosms in two European ecoregions. <i>Science of the Total Environment</i> , 2019, 665, 982-994.	8.0	13
54	High blood levels of lead in children aged 6-36 months in Kathmandu Valley, Nepal: A cross-sectional study of associated factors. <i>PLoS ONE</i> , 2017, 12, e0179233.	2.5	11

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55	Spatiotemporal Distribution of Dengue and Chikungunya in the Hindu Kush Himalayan Region: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6656.	2.6	11
56	DNA identification of species of the <i>Anopheles maculipennis</i> complex and first record of <i>An. daciae</i> in Belgium. <i>Medical and Veterinary Entomology</i> , 2021, 35, 442-450.	1.5	11
57	From a long-distance threat to the invasion front: a review of the invasive <i>Aedes</i> mosquito species in Belgium between 2007 and 2020. <i>Parasites and Vectors</i> , 2022, 15, .	2.5	10
58	Willingness to Participate and Associated Factors in a Zika Vaccine Trial in Indonesia: A Cross-Sectional Study. <i>Viruses</i> , 2018, 10, 648.	3.3	9
59	First Detections of <i>Culiseta longiareolata</i> (Diptera: Culicidae) in Belgium and the Netherlands. <i>Journal of Medical Entomology</i> , 2021, 58, 2524-2532.	1.8	9
60	BiKF AdaMus: a novel research project studying the response and adaptive potential of single species and communities to climate change in combination with other stressors. <i>Journal of Soils and Sediments</i> , 2010, 10, 718-721.	3.0	8
61	Herbicide effects of metazachlor on duckweed (<i>Lemna minor</i> and <i>Spirodela polyrhiza</i>) in test systems with different trophic status and complexity. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2010, 45, 95-101.	1.5	8
62	The impact of second-hand smoke on nitrogen oxides concentrations in a small interior. <i>Scientific Reports</i> , 2021, 11, 11703.	3.3	8
63	The knowledge, attitude and practice of community people on dengue fever in Central Nepal: a cross-sectional study. <i>BMC Infectious Diseases</i> , 2022, 22, 454.	2.9	8
64	Immediate and mid-term effects of pyrimethanil toxicity on microalgae by simulating an episodic contamination. <i>Chemosphere</i> , 2015, 120, 407-413.	8.2	7
65	Standardized Laboratory Feeding of Larval <i>Aedes japonicus japonicus</i> (Diptera: Culicidae). <i>Journal of Insect Science</i> , 2015, 15, 144.	1.5	6
66	Knowledge on exotic mosquitoes in Germany, and public acceptance and effectiveness of Bti and two self-prepared insecticides against <i>Aedes japonicus japonicus</i> . <i>Scientific Reports</i> , 2020, 10, 18901.	3.3	6
67	Particulate matter emissions of less harmful-looking super-slim size cigarettes appealing to women: a laser spectrometric analysis of second-hand smoke. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1069-1077.	5.3	5
68	Potential for a web-based management information system to improve malaria control: An exploratory study in the Lahat District, South Sumatra Province, Indonesia. <i>PLoS ONE</i> , 2020, 15, e0229838.	2.5	4
69	High Particulate Matter Burden of Cigarettes from the United Arab Emirates and Germany: Are There Country-Specific Differences?. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2415.	2.6	4
70	STtech: sampling and transport techniques for <i>Aedes</i> eggs during a sampling campaign in a low-resource setting. <i>Entomologia Experimentalis Et Applicata</i> , 2021, 169, 374-383.	1.4	4
71	DNA Identification and Diversity of the Vector Mosquitoes <i>Culex pipiens</i> s.s. and <i>Culex torrentium</i> in Belgium (Diptera: Culicidae). <i>Diversity</i> , 2022, 14, 486.	1.7	4
72	Two fatal autochthonous cases of airport malaria, Belgium, 2020. <i>Eurosurveillance</i> , 2022, 27, .	7.0	3

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73	The Ecotoxicity of Pyrimethanil for Aquatic Biota. , 2015, , .		2
74	Aquatic mesocosms exposed to a fungicide in warm and cold temperate European climate zones: Long-term macroinvertebrate response. Science of the Total Environment, 2019, 681, 133-142.	8.0	1
75	Gender and workforce in urology - use of the BG Index to Assess Female Career Promotion in Academic Urology. Urology Journal, 2020, 17, 86-90.	0.4	0