Carsten A BrÃ¼hl

List of Publications by Year
in descending order

63 papers	5,677 citations	147801 31 h-index	133252 59 g-index
66 all docs	66 docs citations	66 times ranked	7049 citing authors

#	Article	IF	Citations
1	How will oil palm expansion affect biodiversity?. Trends in Ecology and Evolution, 2008, 23, 538-545.	8.7	1,052
2	Averting biodiversity collapse in tropical forest protected areas. Nature, 2012, 489, 290-294.	27.8	909
3	Biofuel Plantations on Forested Lands: Double Jeopardy for Biodiversity and Climate. Conservation Biology, 2009, 23, 348-358.	4.7	445
4	Fungicides: An Overlooked Pesticide Class?. Environmental Science & Technology, 2019, 53, 3347-3365.	10.0	374
5	Climatic drivers of hemispheric asymmetry in global patterns of ant species richness. Ecology Letters, 2009, 12, 324-333.	6.4	233
6	Terrestrial pesticide exposure of amphibians: An underestimated cause of global decline?. Scientific Reports, 2013, 3, 1135.	3.3	210
7	Global warming, elevational ranges and the vulnerability of tropical biota. Biological Conservation, 2011, 144, 548-557.	4.1	185
8	Biodiversity Decline as a Consequence of an Inappropriate Environmental Risk Assessment of Pesticides. Frontiers in Environmental Science, 2019, 7, .	3.3	184
9	Altitudinal distribution of leaf litter ants along a transect in primary forests on Mount Kinabalu, Sabah, Malaysia. Journal of Tropical Ecology, 1999, 15, 265-277.	1.1	143
10	Stratification of ants (Hymenoptera, Formicidae) in a primary rain forest in Sabah, Borneo. Journal of Tropical Ecology, 1998, 14, 285-297.	1.1	135
11	Amphibians at risk? Susceptibility of terrestrial amphibian life stages to pesticides. Environmental Toxicology and Chemistry, 2011, 30, 2465-2472.	4.3	107
12	Fuelling the biodiversity crisis: species loss of ground-dwelling forest ants in oil palm plantations in Sabah, Malaysia (Borneo). Biodiversity and Conservation, 2010, 19, 519-529.	2.6	104
13	Determinants of stingless bee nest density in lowland dipterocarp forests of Sabah, Malaysia. Oecologia, 2002, 131, 27-34.	2.0	95
14	Title is missing!. Biodiversity and Conservation, 2003, 12, 1371-1389.	2.6	94
15	Review on environmental alterations propagating from aquatic to terrestrial ecosystems. Science of the Total Environment, 2015, 538, 246-261.	8.0	88
16	Global diversity in light of climate change: the case of ants. Diversity and Distributions, 2011, 17, 652-662.	4.1	87
17	Nesting and nest trees of stingless bees (Apidae: Meliponini) in lowland dipterocarp forests in Sabah, Malaysia, with implications for forest management. Forest Ecology and Management, 2003, 172, 301-313.	3.2	86
18	The secret pollinators: an overview of moth pollination with a focus on Europe and North America. Arthropod-Plant Interactions, 2016, 10, 21-28.	1.1	76

#	ARTICLE	IF	CITATIONS
19	Direct pesticide exposure of insects in nature conservation areas in Germany. Scientific Reports, 2021, 11, 24144.	3.3	63
20	Environmental and socioeconomic effects of mosquito control in Europe using the biocide Bacillus thuringiensis subsp. israelensis (Bti). Science of the Total Environment, 2020, 724, 137800.	8.0	62
21	Bats as bioindicators â€“ the need of a standardized method for acoustic bat activity surveys. Methods in Ecology and Evolution, 2012, 3, 503-508.	5.2	58
22	The Impact of Pesticides on Flowerâ€Visiting Insects: A Review with Regard to European Risk Assessment. Environmental Toxicology and Chemistry, 2019, 38, 2355-2370.	4.3	58
23	Constructed wetlands support bats in agricultural landscapes. Basic and Applied Ecology, 2012, 13, 196-203.	2.7	57
24	Agrochemicals in field margins â€“ An experimental field study to assess the impacts of pesticides and fertilizers on a natural plant community. Agriculture, Ecosystems and Environment, 2014, 193, 60-69.	5.3	55
25	Temporal coincidence of amphibian migration and pesticide applications on arable fields in spring. Basic and Applied Ecology, 2015, 16, 54-63.	2.7	43
26	The effects of agrochemicals on Lepidoptera, with a focus on moths, and their pollination service in field margin habitats. Agriculture, Ecosystems and Environment, 2015, 207, 153-162.	5.3	40
27	Agrochemicals in field marginsâ€"Field evaluation of plant reproduction effects. Agriculture, Ecosystems and Environment, 2014, 189, 82-91.	5.3	38
28	Bats at risk? Bat activity and insecticide residue analysis of food items in an apple orchard. Environmental Toxicology and Chemistry, 2012, 31, 1556-1563.	4.3	36
29	Adverse effects of mosquito control using Bacillus thuringiensis var. israelensis: Reduced chironomid abundances in mesocosm, semi-field and field studies. Ecotoxicology and Environmental Safety, 2019, 169, 786-796.	6.0	36
30	Non-target effects of a glyphosate-based herbicide on Common toad larvae (<i>Bufo bufo</i>,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	2.0	36
31	AGROCHEMICALS IN FIELD MARGINSâ€"ASSESSING THE IMPACTS OF HERBICIDES, INSECTICIDES, AND FERTILIZER ON THE COMMON BUTTERCUP (<i>RANUNCULUS ACRIS</i>). Environmental Toxicology and Chemistry, 2013, 32, 1124-1131.	4.3	35
32	Interspecific sensitivity of bees towards dimethoate and implications for environmental risk assessment. Scientific Reports, 2016, 6, 34439.	3.3	35
33	Decreasing Bacillus thuringiensis israelensis sensitivity of Chironomus riparius larvae with age indicates potential environmental risk for mosquito control. Scientific Reports, 2017, 7, 13565.	3.3	30
34	Biodiversity in European agricultural landscapes: transformative societal changes needed. Trends in Ecology and Evolution, 2021, 36, 1067-1070.	8.7	29
35	Influence of Habitat Fragmentation on the Genetic Variability in Leaf Litter Ant Populations in Tropical Rainforests of Sabah, Borneo. Biodiversity and Conservation, 2006, 15, 157-175.	2.6	26
36	Nocturnal Risks-High Bat Activity in the Agricultural Landscape Indicates Potential Pesticide Exposure. Frontiers in Environmental Science, 2017, 5, .	3.3	24

#	Article	IF	Citations
37	Mosquito control based on Bacillus thuringiensis israelensis (Bti) interrupts artificial wetland food chains. Science of the Total Environment, 2019, 686, 1173-1184.	8.0	24
38	Amphibian population genetics in agricultural landscapes: does viniculture drive the population structuring of the European common frog (<i>Rana temporaria</i>)?. PeerJ, 2017, 5, e3520.	2.0	24
39	Evaluating the risk of pesticide exposure for amphibian species listed in Annex II of the European Union Habitats Directive. Biological Conservation, 2014, 176, 64-70.	4.1	21
40	An expert-based landscape permeability model for assessing the impact of agricultural management on amphibian migration. Basic and Applied Ecology, 2013, 14, 442-451.	2.7	20
41	How Does Changing Pesticide Usage Over Time Affect Migrating Amphibians: A Case Study on the Use of Glyphosate-Based Herbicides in German Agriculture Over 20 Years. Frontiers in Environmental Science, 2018, 6, .	3.3	20
42	Pesticide exposure affects reproductive capacity of common toads (Bufo bufo) in a viticultural landscape. Ecotoxicology, 2021, 30, 213-223.	2.4	19
43	Is Osmia bicornis an adequate regulatory surrogate? Comparing its acute contact sensitivity to Apis mellifera. PLoS ONE, 2019, 14, e0201081.	2.5	18
44	Diversity of Insects in Nature protected Areas (DINA): an interdisciplinary German research project. Biodiversity and Conservation, 2021, 30, 2605-2614.	2.6	15
45	Effects of herbicideâ€treated host plants on the development of <i>Mamestra brassicae</i> L. caterpillars. Environmental Toxicology and Chemistry, 2014, 33, 2633-2638.	4.3	14
46	European common frog Rana temporaria (Anura: Ranidae) larvae show subcellular responses under field-relevant Bacillus thuringiensis var. israelensis (Bti) exposure levels. Environmental Research, 2018, 162, 271-279.	7.5	14
47	The rejection of synthetic pesticides in organic farming has multiple benefits. Trends in Ecology and Evolution, 2022, 37, 113-114.	8.7	14
48	Characterization of field margins in intensified agroâ€ecosystemsâ€"why narrow margins should matter in terrestrial pesticide risk assessment and management. Integrated Environmental Assessment and Management, 2014, 10, 456-462.	2.9	13
49	Mosquito control actions affect chironomid diversity in temporary wetlands of the Upper Rhine Valley. Molecular Ecology, 2019, 28, 4300-4316.	3.9	10
50	Amphibians and plant-protection products: what research and action is needed?. Environmental Sciences Europe, 2016, 28, 17.	5.5	9
51	Indirect herbicide effects on biodiversity, ecosystem functions, and interactions with global changes. , 2021, , 231-272.		9
52	Dermal Fungicide Exposure at Realistic Field Rates Induces Lethal and Sublethal Effects on Juvenile European Common Frogs (<i>Rana temporaria</i>). Environmental Toxicology and Chemistry, 2021, 40, 1289-1297.	4.3	9
53	Interspecific sensitivity of European amphibians towards two pesticides and comparison to standard test species. Environmental Sciences Europe, 2021, 33, .	5.5	9
54	Assessing the Risk of Herbicides to Terrestrial Non-Target Plants Using Higher-Tier Studies. Human and Ecological Risk Assessment (HERA), 2015, 21, 2137-2154.	3.4	7

#	Article	IF	Citations
55	Avoidance behavior of juvenile common toads (Bufo bufo) in response to surface contamination by different pesticides. PLoS ONE, 2020, 15, e0242720.	2.5	7
56	Biological relevance of the magnitude of effects (considering mortality, subâ€lethal and reproductive) Tj ETQq0 0 0 rgBT /Overlock 10 Tf amphibians and reptiles. EFSA Supporting Publications, 2017, 14, 1251E.	0.7	6
57	Co-formulants and adjuvants affect the acute aquatic and terrestrial toxicity of a cycloxydim herbicide formulation to European common frogs (Rana temporaria). Science of the Total Environment, 2021, 789, 147865.	8.0	6
58	Direct herbicide effects on terrestrial nontarget organisms belowground and aboveground. , 2021, , 181-229.		5
59	Fungicide Exposure Induces Sensitivity Differences in Aquatic Life Stages of European Common Frogs (Rana temporaria). Journal of Herpetology, 2020, 54, .	0.5	5
60	Bottomâ€up effects of fungicides on tadpoles of the European common frog (<i>Rana temporaria</i>). Ecology and Evolution, 2021, 11, 4353-4365.	1.9	3
61	Influence of habitat fragmentation on the genetic variability in leaf litter ant populations in tropical rainforests of Sabah, Borneo. , 2006, , 143-161.		1
62	Fuelling the biodiversity crisis: species loss of ground-dwelling forest ants in oil palm plantations in Sabah, Malaysia (Borneo). Topics in Biodiversity and Conservation, 2009, , 207-217.	1.0	1
63	16th SETAC GLB (Society of Environmental Toxicology and Chemistry German LanguageBranch) Annual meeting held under the main theme â€œEcoTOXICOlogy andEnvironmental CHEMISTRY: crossing bordersâ€• from 18th to 20th September2011 at Landau. Environmental Sciences Europe, 2012, 24, .	5.5	0