

# Martin Zimmer

## List of Publications by Year in descending order

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115  
papers

4,119  
citations

109321

35  
h-index

138484

58  
g-index

119  
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119  
docs citations

119  
times ranked

4369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mangrove Forests: Structure, Diversity, Ecosystem Processes and Threats. , 2022, , 116-127.		2
2	Plant species- and stage-specific differences in microbial decay of mangrove leaf litter: the older the better?. <i>Oecologia</i> , 2021, 195, 843-858.	2.0	25
3	Drivers of litter mass loss and faunal composition of detritus patches change over time. <i>Ecology and Evolution</i> , 2021, 11, 9642-9651.	1.9	3
4	Crab-driven processing does not explain leaf litter deposition in mangrove crab burrows. <i>Ecology and Evolution</i> , 2021, 11, 8856-8862.	1.9	5
5	Co-benefits of protecting mangroves for biodiversity conservation and carbon storage. <i>Nature Communications</i> , 2021, 12, 3875.	12.8	52
6	Are Crab-collectors in Mangroves of Northern Brazil (PA) Optimal Foragers?. <i>Wetlands</i> , 2021, 41, 1.	1.5	1
7	Flow and sediment dynamics around structures in mangrove ecosystems—a modeling perspective. , 2021, , 83-120.		4
8	Quantity and quality of organic matter in mangrove sediments. , 2021, , 369-391.		0
9	Phytoextraction Potential of <i>Rhizophora Apiculata</i> : A Case Study in Matang Mangrove Forest Reserve, Malaysia. <i>Tropical Conservation Science</i> , 2020, 13, 194008292094734.	1.2	7
10	Introducing the Mangrove Microbiome Initiative: Identifying Microbial Research Priorities and Approaches To Better Understand, Protect, and Rehabilitate Mangrove Ecosystems. <i>MSystems</i> , 2020, 5, .	3.8	40
11	Risk Assessment of Heavy Metal Concentrations in Sediments of Matang Mangrove Forest Reserve. <i>Tropical Conservation Science</i> , 2020, 13, 194008292093312.	1.2	9
12	Public Perceptions of Mangrove Forests Matter for Their Conservation. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	32
13	Sources of Particulate Organic Matter across Mangrove Forests and Adjacent Ecosystems in Different Geomorphic Settings. <i>Wetlands</i> , 2020, 40, 1047-1059.	1.5	11
14	Physical Litter Properties: Leaf Toughness and Tensile Strength. , 2020, , 187-193.		5
15	Cellulases. , 2020, , 397-403.		0
16	Phenol Oxidation. , 2020, , 433-437.		1
17	Interactive effects of temperature and nutrients on mangrove seedling growth and implications for establishment. <i>Marine Environmental Research</i> , 2019, 151, 104750.	2.5	11
18	Effects of temperature on carbon circulation in macroalgal food webs are mediated by herbivores. <i>Marine Biology</i> , 2019, 166, 1.	1.5	4

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19	Effects of crab burrows on sediment characteristics in a <i>Cerriops australis</i> -dominated mangrove forest. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 218, 334-339.	2.1	10
20	The value of small mangrove patches. <i>Science</i> , 2019, 363, 239-239.	12.6	54
21	Metabolic and oxidative stress responses of the jellyfish <i>Cassiopea</i> sp. to changes in seawater temperature. <i>Journal of Sea Research</i> , 2019, 145, 1-7.	1.6	21
22	Modelling of mangrove annual leaf litterfall with emphasis on the role of vegetation structure. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 218, 292-299.	2.1	9
23	Numerical modelling of hydraulics and sediment dynamics around mangrove seedlings: Implications for mangrove establishment and reforestation. <i>Estuarine, Coastal and Shelf Science</i> , 2019, 217, 81-95.	2.1	21
24	Detritus. , 2019, , 292-301.		5
25	Ecosystem Design: When Mangrove Ecology Meets Human Needs. <i>Coastal Research Library</i> , 2018, , 367-376.	0.4	11
26	High-Throughput Techniques As Support for Knowledge-Based Spatial Conservation Prioritization in Mangrove Ecosystems. <i>Coastal Research Library</i> , 2018, , 539-554.	0.4	1
27	Aboveground macrodetritivores and belowground soil processes: Insights on species redundancy. <i>Applied Soil Ecology</i> , 2018, 124, 83-87.	4.3	5
28	A Space-For-Time approach to study the effects of increasing temperature on leaf litter decomposition under natural conditions. <i>Soil Biology and Biochemistry</i> , 2018, 123, 250-256.	8.8	12
29	Discovery of a multispecies shark aggregation and parturition area in the Ba Estuary, Fiji Islands. <i>Ecology and Evolution</i> , 2018, 8, 7079-7093.	1.9	12
30	Influence of environmental conditions on the distribution of Amphipoda, Talitridae, in the lagoon complex of Ghar El Melh (north-east of Tunisia). <i>African Journal of Ecology</i> , 2017, 55, 451-464.	0.9	2
31	Priorities for research in soil ecology. <i>Pedobiologia</i> , 2017, 63, 1-7.	1.2	64
32	Cellular respiration, oxygen consumption, and trade-offs of the jellyfish <i>Cassiopea</i> sp. in response to temperature change. <i>Journal of Sea Research</i> , 2017, 128, 92-97.	1.6	31
33	The influence of crab burrows on sediment salinity in a <i>Rhizophora</i> -dominated mangrove forest in North Brazil during the dry season. <i>Hydrobiologia</i> , 2017, 803, 295-305.	2.0	14
34	Chemical changes in detrital matter upon digestive processes in a sesamid crab feeding on mangrove leaf litter. <i>Hydrobiologia</i> , 2017, 803, 307-315.	2.0	7
35	Muddy Waters: Unintentional Consequences of Blue Carbon Research Obscure Our Understanding of Organic Carbon Dynamics in Seagrass Ecosystems. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	30
36	Dataset of "true mangroves" plant species traits. <i>Biodiversity Data Journal</i> , 2017, 5, e22089.	0.8	14

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37	The Terrestrial Isopod Microbiome: An All-in-One Toolbox for Animal- <i>Microbe Interactions of Ecological Relevance</i> . <i>Frontiers in Microbiology</i> , 2016, 7, 1472.	3.5	79
38	Hierarchical toolbox: Ensuring scientific accuracy of citizen science for tropical coastal ecosystems. <i>Ecological Indicators</i> , 2016, 66, 242-250.	6.3	16
39	Effects of warming, nutrient enrichment and detritivore presence on litter breakdown and associated microbial decomposers in a simulated temperate woodland creek. <i>Hydrobiologia</i> , 2016, 770, 243-256.	2.0	15
40	Mangrove leaf transportation: Do mimic <i>Avicennia</i> and <i>Rhizophora</i> roots retain or donate leaves?. <i>Marine Ecology - Progress Series</i> , 2016, 551, 107-115.	1.9	8
41	Environment rather than genetic background explains intraspecific variation in the protein-precipitating capacity of phenolic compounds in beech litter. <i>Plant Ecology and Diversity</i> , 2015, 8, 73-79.	2.4	6
42	Lignocellulose degradation mechanisms across the Tree of Life. <i>Current Opinion in Chemical Biology</i> , 2015, 29, 108-119.	6.1	478
43	Sex- and habitat-specific movement of an omnivorous semi-terrestrial crab controls habitat connectivity and subsidies: a multi-parameter approach. <i>Oecologia</i> , 2015, 178, 999-1015.	2.0	23
44	Biodiversity of Talitridae family (Crustacea, Amphipoda) in some Tunisian coastal lagoons. <i>Zoological Studies</i> , 2015, 54, e17.	0.3	16
45	Sterile Surfaces of <i>Mnemiopsis leidyi</i> (Ctenophora) in Bacterial Suspension- <i>A Key to Invasion Success?</i> . <i>Open Journal of Marine Science</i> , 2015, 05, 237-246.	0.5	9
46	Litter traits and palatability to detritivores: a case study across bio-geographical boundaries. <i>Nauplius</i> , 2014, 22, 103-111.	0.3	24
47	Habitat-specific gut microbiota of the marine herbivore <i>Idotea balthica</i> (Isopoda). <i>Journal of Experimental Marine Biology and Ecology</i> , 2014, 455, 22-28.	1.5	16
48	Can terrestrial isopods (Isopoda: Oniscidea) make use of biodegradable plastics?. <i>Applied Soil Ecology</i> , 2014, 77, 72-79.	4.3	18
49	Effects of Warming and Nutrient Enrichment on How Grazing Pressure Affects Leaf Litter-Colonizing Bacteria. <i>Journal of Environmental Quality</i> , 2014, 43, 851-858.	2.0	9
50	Wind-Driven Dynamics of Beach-Cast Wrack in a Tide-Free System. <i>Open Journal of Marine Science</i> , 2014, 04, 68-79.	0.5	27
51	Decomposition of Leaf Litter in a U.S. Saltmarsh is Driven by Dominant Species, Not Species Complementarity. <i>Wetlands</i> , 2013, 33, 83-89.	1.5	17
52	Traits underpinning desiccation resistance explain distribution patterns of terrestrial isopods. <i>Oecologia</i> , 2013, 172, 667-677.	2.0	67
53	Amphipod diversity at three Tunisian lagoon complexes in relation to environmental conditions. <i>Journal of Natural History</i> , 2013, 47, 2849-2868.	0.5	18
54	Ability of invasive green crabs to handle prey in a recently colonized region. <i>Marine Ecology - Progress Series</i> , 2013, 483, 221-229.	1.9	5

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55	Predator/Prey-Interactions Promote Decomposition of Low-Quality Detritus. <i>Wetlands</i> , 2012, 32, 931-938.	1.5	8
56	Influence of Changing Plant Food Sources on the Gut Microbiota of Saltmarsh Detritivores. <i>Microbial Ecology</i> , 2012, 64, 814-825.	2.8	13
57	Drowned or Dry: A Cross-Habitat Comparison of Detrital Breakdown Processes. <i>Ecosystems</i> , 2012, 15, 477-491.	3.4	35
58	Acidification and warming affect both a calcifying predator and prey, but not their interaction. <i>Marine Ecology - Progress Series</i> , 2012, 450, 1-10.	1.9	62
59	Colonisation of Beach-Cast Macrophyte Wrack Patches by Talitrid Amphipods: A Primer. <i>Estuaries and Coasts</i> , 2011, 34, 863-871.	2.2	24
60	Effects of elevated seawater p CO <sub>2</sub> on gene expression patterns in the gills of the green crab, <i>Carcinus maenas</i> . <i>BMC Genomics</i> , 2011, 12, 488.	2.8	46
61	Different natural organic matter isolates cause similar stress response patterns in the freshwater amphipod, <i>Gammarus pulex</i> . <i>Environmental Science and Pollution Research</i> , 2010, 17, 261-269.	5.3	20
62	Sub-littoral and supra-littoral amphipods respond differently to acute thermal stress. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 155, 413-418.	1.6	35
63	Is activated hemocyanin instead of phenoloxidase involved in immune response in woodlice?. <i>Developmental and Comparative Immunology</i> , 2009, 33, 1055-1063.	2.3	39
64	Host-specificity of environmentally transmitted <i>Mycoplasma</i> -like isopod symbionts. <i>Environmental Microbiology</i> , 2008, 10, 2497-2504.	3.8	103
65	Selective consumption and digestion of litter microbes by <i>Porcellio scaber</i> (Isopoda: Oniscidea). <i>Pedobiologia</i> , 2008, 51, 335-342.	1.2	47
66	Reproductive patterns in syntopic terrestrial isopod species (Crustacea, Isopoda, Oniscidea) from Morocco. <i>Pedobiologia</i> , 2008, 52, 127-137.	1.2	20
67	Species-specific utilization of food sources by sympatric woodlice (Isopoda: Oniscidea). <i>Journal of Animal Ecology</i> , 2008, 69, 1071-1082.	2.8	7
68	Latitudinal variation in plant-herbivore interactions in European salt marshes. <i>Oikos</i> , 2007, 116, 543-549.	2.7	4
69	Molecular Characterization and Evolution of Arthropod-Pathogenic <i>Rickettsiella</i> Bacteria. <i>Applied and Environmental Microbiology</i> , 2007, 73, 5045-5047.	3.1	64
70	Latitudinal variation in plant-herbivore interactions in European salt marshes. <i>Oikos</i> , 2007, 116, 543-549.	2.7	52
71	Bacterial symbionts in the hepatopancreas of isopods: diversity and environmental transmission. <i>FEMS Microbiology Ecology</i> , 2007, 61, 141-152.	2.7	72
72	Detrital subsidy to the supratidal zone provides feeding habitat for intertidal crabs. <i>Estuaries and Coasts</i> , 2007, 30, 451-458.	2.2	31

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73	Intertidal coarse woody debris: A spatial subsidy as shelter or feeding habitat for gastropods?. Estuarine, Coastal and Shelf Science, 2006, 66, 197-203.	2.1	24
74	Species-specific decomposition rates of beach-cast wrack in Barkley Sound, British Columbia, Canada. Marine Ecology - Progress Series, 2006, 328, 155-160.	1.9	70
75	Do woodlice and earthworms interact synergistically in leaf litter decomposition?. Functional Ecology, 2005, 19, 7-16.	3.6	69
76	Physiological properties of the gut lumen of terrestrial isopods (Isopoda: Oniscidea): adaptive to digesting lignocellulose?. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2005, 175, 275-283.	1.5	34
77	Degradation of Leaf Litter Phenolics by Aquatic and Terrestrial Isopods. Journal of Chemical Ecology, 2005, 31, 1933-1952.	1.8	11
78	Phenol Oxidation. , 2005, , 279-282.		3
79	Questions and possible new directions for research into the biology of terrestrial isopods. European Journal of Soil Biology, 2005, 41, 57-61.	3.2	16
80	Intermediate tidal stress promotes the detritivore-mediated decomposition of Spartina litter. European Journal of Soil Biology, 2005, 41, 135-141.	3.2	6
81	Immune response in Porcellio scaber (Isopoda: Oniscidea): copper revisited. European Journal of Soil Biology, 2005, 41, 77-83.	3.2	7
82	Cellulases. , 2005, , 249-254.		3
83	WRACK DEPOSITION ON DIFFERENT BEACH TYPES: SPATIAL AND TEMPORAL VARIATION IN THE PATTERN OF SUBSIDY. Ecology, 2005, 86, 1496-1507.	3.2	203
84	Leaf Toughness. , 2005, , 121-125.		21
85	â€œ <i>Candidatus</i> Hepatoplasma crinochetorum,â€•a New, Stalk-Forming Lineage of <i>Mollicutes</i> Colonizing the Midgut Glands of a Terrestrial Isopod. Applied and Environmental Microbiology, 2004, 70, 6166-6172.	3.1	81
86	Salt marsh litter and detritivores: A closer look at redundancy. Estuaries and Coasts, 2004, 27, 753-769.	1.7	58
87	? <i>Candidatus</i> Hepatocola porcellionum? gen. nov., sp. nov., a new, stalk-forming lineage of Rickettsiales colonizing the midgut glands of a terrestrial isopod. Archives of Microbiology, 2004, 181, 299-304.	2.2	64
88	Effects of temperature and precipitation on a flood plain isopod community: a field study. European Journal of Soil Biology, 2004, 40, 139-146.	3.2	24
89	Diet choice in an omnivorous salt-marsh crab: different food types, body size, and habitat complexity. Journal of Experimental Marine Biology and Ecology, 2003, 292, 103-116.	1.5	85
90	Courtship in long-legged flies (Diptera: Dolichopodidae): function and evolution of signals. Behavioral Ecology, 2003, 14, 526-530.	2.2	31

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91	Leaf litter-colonizing microbiota: supplementary food source or indicator of food quality for <i>Porcellio scaber</i> (Isopoda: Oniscidea)? <i>European Journal of Soil Biology</i> , 2003, 39, 209-216.	3.2	61
92	Balancing nutritional requirements for copper in the common woodlouse, <i>Porcellio scaber</i> (Isopoda: Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.3	19
93	Bacterial endosymbionts in <i>Asellus aquaticus</i> (Isopoda) and <i>Gammarus pulex</i> (Amphipoda) and their contribution to digestion. <i>Limnology and Oceanography</i> , 2003, 48, 2208-2213.	3.1	50
94	Postembryonic ontogenetic development in <i>Porcellio scaber</i> (Isopoda: Oniscidea): the significance of food. <i>Invertebrate Reproduction and Development</i> , 2002, 42, 75-82.	0.8	11
95	Is decomposition of woodland leaf litter influenced by its species richness? <i>Soil Biology and Biochemistry</i> , 2002, 34, 277-284.	8.8	75
96	The role of coprophagy in nutrient release from feces of phytophagous insects. <i>Soil Biology and Biochemistry</i> , 2002, 34, 1093-1099.	8.8	41
97	Does <i>Porcellio scaber</i> (Isopoda: Oniscidea) gain from coprophagy? <i>Soil Biology and Biochemistry</i> , 2002, 34, 1253-1259.	8.8	31
98	Cellulose digestion and phenol oxidation in coastal isopods (Crustacea: Isopoda). <i>Marine Biology</i> , 2002, 140, 1207-1213.	1.5	49
99	Nutrition in terrestrial isopods (Isopoda: Oniscidea): an evolutionary-ecological approach. <i>Biological Reviews</i> , 2002, 77, 455-493.	10.4	200
100	Species-specific patterns of litter processing by terrestrial isopods (Isopoda: Oniscidea) in high intertidal salt marshes and coastal forests. <i>Functional Ecology</i> , 2002, 16, 596-607.	3.6	57
101	Hepatopancreatic endosymbionts in coastal isopods (Crustacea: Isopoda), and their contribution to digestion. <i>Marine Biology</i> , 2001, 138, 955-963.	1.5	62
102	Suppression of Soil Microorganisms by Emissions of a Magnesite Plant in the Slovak Republic. <i>Water, Air, and Soil Pollution</i> , 2001, 125, 121-132.	2.4	25
103	Responses of the parthenogenetic isopod, <i>Trichoniscus pusillus</i> (Isopoda: Oniscidea), to changes in food quality. <i>Pedobiologia</i> , 2000, 44, 75-85.	1.2	35
104	Correspondence analytical evaluation of factors that influence soil macro-arthropod distribution in abandoned grassland. <i>Pedobiologia</i> , 2000, 44, 695-704.	1.2	24
105	Hemolymph homeostasis in relation to diel feeding activity and microclimate in the prototypal land isopod <i>Ligia pallasii</i> . <i>Canadian Journal of Zoology</i> , 2000, 78, 588-595.	1.0	8
106	Feeding preferences of supralittoral isopods and amphipods. <i>Canadian Journal of Zoology</i> , 2000, 78, 1918-1929.	1.0	97
107	Species-specific utilization of food sources by sympatric woodlice (Isopoda: Oniscidea). <i>Journal of Animal Ecology</i> , 2000, 69, 1071-1082.	2.8	53
108	Hemolymph homeostasis in relation to diel feeding activity and microclimate in the prototypal land isopod <i>Ligia pallasii</i> . <i>Canadian Journal of Zoology</i> , 2000, 78, 588-595.	1.0	2

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109	The Fate and Effects of Ingested Hydrolyzable Tannins in Porcellio scaber. Journal of Chemical Ecology, 1999, 25, 611-628.	1.8	60
110	Relationships between woodlice (Isopoda: Oniscidea) and microbial density and activity in the field. Biology and Fertility of Soils, 1999, 30, 117-123.	4.3	43
111	Microorganisms and Cellulose Digestion in the Gut of the Woodlouse Porcellio scaber. Journal of Chemical Ecology, 1998, 24, 1397-1408.	1.8	82
112	Combined methods for the determination of microbial activity of leaf litter. European Journal of Soil Biology, 1998, 34, 105-110.	3.2	22
113	Surfactants in the gut fluids of Porcellio scaber (Isopoda: Oniscidea), and their interactions with phenolics. Journal of Insect Physiology, 1997, 43, 1009-1014.	2.0	27
114	Does leaf litter quality influence population parameters of the common woodlouse, Porcellio scaber (Crustacea: Isopoda)?. Biology and Fertility of Soils, 1997, 24, 435-441.	4.3	66
115	Do woodlice (Isopoda: Oniscidea) produce endogenous cellulases?. Biology and Fertility of Soils, 1997, 26, 155-156.	4.3	14