

Günter Vogt

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

2,147
citations

218677

26
h-index

243625

44
g-index

61
all docs

61
docs citations

61
times ranked

1446
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of different phenotypes from the same genotype in the same environment by developmental variation. <i>Journal of Experimental Biology</i> , 2008, 211, 510-523.	1.7	197
2	Parthenogenesis in an outsider crayfish. <i>Nature</i> , 2003, 421, 806-806.	27.8	181
3	Functional cytology of the hepatopancreas of decapod crustaceans. <i>Journal of Morphology</i> , 2019, 280, 1405-1444.	1.2	137
4	Midgut gland as monitor organ for the nutritional value of diets in <i>Penaeus monodon</i> (Decapoda). <i>Aquaculture</i> , 1985, 48, 1-12.	3.5	133
5	Life stages and reproductive components of the Marmorkrebs (marbled crayfish), the first parthenogenetic decapod crustacean. <i>Journal of Morphology</i> , 2004, 261, 286-311.	1.2	125
6	Stochastic developmental variation, an epigenetic source of phenotypic diversity with far-reaching biological consequences. <i>Journal of Biosciences</i> , 2015, 40, 159-204.	1.1	118
7	Abbreviation of larval development and extension of brood care as key features of the evolution of freshwater Decapoda. <i>Biological Reviews</i> , 2013, 88, 81-116.	10.4	95
8	Accumulation and excretion of metal granules in the prawn, <i>Penaeus monodon</i> , exposed to water-borne copper, lead, iron and calcium. <i>Aquatic Toxicology</i> , 1994, 28, 223-241.	4.0	76
9	Facilitation of environmental adaptation and evolution by epigenetic phenotype variation: insights from clonal, invasive, polyploid, and domesticated animals. <i>Environmental Epigenetics</i> , 2017, 3, dx002.	1.8	74
10	The marbled crayfish as a paradigm for saltational speciation by autopolyploidy and parthenogenesis in animals. <i>Biology Open</i> , 2015, 4, 1583-1594.	1.2	70
11	Brood care in freshwater crayfish and relationship with the offspring's sensory deficiencies. <i>Journal of Morphology</i> , 2004, 262, 566-582.	1.2	69
12	Investigation of hatching and early post-embryonic life of freshwater crayfish by in vitro culture, behavioral analysis, and light and electron microscopy. <i>Journal of Morphology</i> , 2008, 269, 790-811.	1.2	50
13	Monitoring of environmental pollutants such as pesticides in prawn aquaculture by histological diagnosis. <i>Aquaculture</i> , 1987, 67, 157-164.	3.5	49
14	Suitability of the clonal marbled crayfish for biogerontological research: a review and perspective, with remarks on some further crustaceans. <i>Biogerontology</i> , 2010, 11, 643-669.	3.9	47
15	How to minimize formation and growth of tumours: Potential benefits of decapod crustaceans for cancer research. <i>International Journal of Cancer</i> , 2008, 123, 2727-2734.	5.1	42
16	Differentiation of B-cells in the Hepatopancreas of the Prawn <i>Penaeus monodon</i> . <i>Acta Zoologica</i> , 1993, 74, 51-60.	0.8	39
17	Hidden Treasures in Stem Cells of Indeterminately Growing Bilaterian Invertebrates. <i>Stem Cell Reviews and Reports</i> , 2012, 8, 305-317.	5.6	39
18	Investigating the genetic and epigenetic basis of big biological questions with the parthenogenetic marbled crayfish: A review and perspectives. <i>Journal of Biosciences</i> , 2018, 43, 189-223.	1.1	38

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19	Marmorkrebs: Natural crayfish clone as emerging model for various biological disciplines. <i>Journal of Biosciences</i> , 2011, 36, 377-382.	1.1	37
20	Structure, function and development of the digestive system in malacostracan crustaceans and adaptation to different lifestyles. <i>Cell and Tissue Research</i> , 2019, 377, 415-443.	2.9	35
21	<i>Leucaena leucocephala</i> leaves in formulated feed for <i>Penaeus monodon</i> : a concrete example of the application of histology in nutrition research. <i>Aquaculture</i> , 1986, 59, 209-234.	3.5	34
22	Epigenetic variation in animal populations: Sources, extent, phenotypic implications, and ecological and evolutionary relevance. <i>Journal of Biosciences</i> , 2021, 46, 1.	1.1	34
23	Cytopathology and immune response in the hepatopancreas of decapod crustaceans. <i>Diseases of Aquatic Organisms</i> , 2020, 138, 41-88.	1.0	34
24	Structural specialties, curiosities, and record-breaking features of crustacean reproduction. <i>Journal of Morphology</i> , 2016, 277, 1399-1422.	1.2	30
25	Exposure of the eggs to 17 β -methyl testosterone reduced hatching success and growth and elicited teratogenic effects in postembryonic life stages of crayfish. <i>Aquatic Toxicology</i> , 2007, 85, 291-296.	4.0	29
26	Activation of pro-astacin. <i>FEBS Journal</i> , 2001, 268, 2540-2546.	0.2	28
27	Synthesis of digestive enzymes, food processing, and nutrient absorption in decapod crustaceans: a comparison to the mammalian model of digestion. <i>Zoology</i> , 2021, 147, 125945.	1.2	27
28	Symmetry variation in the heart-descending artery system of the parthenogenetic marbled crayfish. <i>Journal of Morphology</i> , 2009, 270, 221-226.	1.2	23
29	Determination of the DNA methylation level of the marbled crayfish: An increase in sample throughput by an optimised sample preparation. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 850, 548-552.	2.3	20
30	Morphology and physiology of digestive epithelia in Decapod crustaceans. <i>Pflügers Archiv European Journal of Physiology</i> , 1996, 431, R239-R240.	2.8	19
31	Life stages and tentative life cycle of <i>Psorospermium haeckeli</i> , a species of the novel DRIPs clade from the animal-fungal dichotomy. <i>The Journal of Experimental Zoology</i> , 1999, 283, 31-42.	1.4	19
32	Hypogean life-style fuelled by oil. <i>Die Naturwissenschaften</i> , 1999, 86, 43-45.	1.6	17
33	Morphological characterization and genotyping of the marbled crayfish and new evidence on its origin. <i>Zootaxa</i> , 2018, 4524, 329.	0.5	17
34	Annotated bibliography of the parthenogenetic marbled crayfish <i>Procambarus virginalis</i> , a new research model, potent invader and popular pet. <i>Zootaxa</i> , 2018, 4418, 301-352.	0.5	17
35	Bimodal annual reproductive pattern in laboratory-reared marbled crayfish. <i>Invertebrate Reproduction and Development</i> , 2015, 59, 218-223.	0.8	16
36	The dimension of biological change caused by autotriploidy: A meta-analysis with triploid crayfish <i>Procambarus virginalis</i> and its diploid parent <i>Procambarus fallax</i> . <i>Zoologischer Anzeiger</i> , 2019, 281, 53-67.	0.9	13

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37	A compilation of longevity data in decapod crustaceans. <i>Nauplius</i> , 0, 27, .	0.3	13
38	Infraorder Astacidea Latreille, 1802 p.p.: the freshwater crayfish. , 2010, , 269-423.		11
39	Disentangling the environmentally induced and stochastic developmental components of phenotypic variation. , 2020, , 207-251.		10
40	Studying phenotypic variation and DNA methylation across development, ecology and evolution in the clonal marbled crayfish: a paradigm for investigating epigenotype-phenotype relationships in macro-invertebrates. <i>Die Naturwissenschaften</i> , 2022, 109, 16.	1.6	10
41	Oleospheres of the cave-dwelling shrimp <i>Troglocaris schmidtii</i> : A unique mode of extracellular lipid storage. <i>Journal of Morphology</i> , 1992, 211, 31-39.	1.2	8
42	Spontaneous formation of intercellular bile canaliculi and hybrid biliary-pancreatic canaliculi in co-culture of hepatocytes and exocrine pancreas cells from carp. <i>Cell and Tissue Research</i> , 1997, 289, 191-194.	2.9	8
43	Investigating the genetic and epigenetic basis of big biological questions with the parthenogenetic marbled crayfish: A review and perspectives. <i>Journal of Biosciences</i> , 2018, 43, 189-223.	1.1	8
44	Evolution of Epigenetic Mechanisms in Animals and Their Role in Speciation. , 2017, , 409-426.		7
45	Estimating the young evolutionary age of marbled crayfish from museum samples. <i>Journal of Natural History</i> , 2019, 53, 2353-2363.	0.5	7
46	Evaluation of the suitability of the parthenogenetic marbled crayfish for aquaculture: potential benefits versus conservation concerns. <i>Hydrobiologia</i> , 2021, 848, 285-298.	2.0	7
47	In vivo decondensation of chromatin and nucleolar fibrillar component by <i>Leucaena leucocephala</i> ingredient. <i>Biology of the Cell</i> , 1991, 72, 211-215.	2.0	4
48	Cell Biology Research on Stem Cells, Aging, Cancer Resistance, and Epigenetics in Marbled Crayfish and Relatives: Potential Benefits for Human Biology and Medicine. , 2015, , 115-158.		4
49	Direct Development and Posthatching Brood Care as Key Features of the Evolution of Freshwater Decapoda and Challenges for Conservation. , 2016, , 169-198.		4
50	Cytology, function and dynamics of stem and progenitor cells in decapod crustaceans. <i>Biological Reviews</i> , 2022, 97, 817-850.	10.4	4
51	Paradigm shifts in animal epigenetics: Research on non-model species leads to new insights into dependencies, functions and inheritance of DNA methylation. <i>BioEssays</i> , 2022, 44, .	2.5	4
52	Epigenetic variation in animal populations: Sources, extent, phenotypic implications, and ecological and evolutionary relevance. <i>Journal of Biosciences</i> , 2021, 46, .	1.1	2
53	Infraorder Astacidea Latreille, 1802 P.P.: The Freshwater Crayfish. , 0, , 269-424.		1
54	Organogenesis. , 2020, , 80-112.		1

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55	Spermatogenesis and Spermiogenesis in Crustaceans. , 2018, , 330-335.		0
56	<p>How should we treat autoploid and parthenogenetic animals taxonomically?</p> . Zootaxa, 2019, 4695, 76-82.	0.5	0