

# Ulf Bickmeyer

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

1,435  
citations

361045

20  
h-index

377514

34  
g-index

71  
all docs

71  
docs citations

71  
times ranked

1758  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential modulation of 5-HT receptors in mouse CA1 hippocampal neurons. <i>European Journal of Neuroscience</i> , 2002, 16, 209-218.	1.2	99
2	An aerobic eukaryotic parasite with functional mitochondria that likely lacks a mitochondrial genome. <i>Science Advances</i> , 2019, 5, eaav1110.	4.7	76
3	Bromophenols, both present in marine organisms and in industrial flame retardants, disturb cellular Ca <sup>2+</sup> signaling in neuroendocrine cells (PC12). <i>Aquatic Toxicology</i> , 2006, 76, 37-45.	1.9	69
4	Endocytotic uptake of iron oxide nanoparticles by cultured brain microglial cells. <i>Acta Biomaterialia</i> , 2013, 9, 8454-8465.	4.1	64
5	The 5-Hydroxytryptamine(4a) Receptor Is Palmitoylated at Two Different Sites, and Acylation Is Critically Involved in Regulation of Receptor Constitutive Activity. <i>Journal of Biological Chemistry</i> , 2002, 277, 2534-2546.	1.6	62
6	Brominated pyrrole alkaloids from marine <i>Agelas</i> sponges reduce depolarization-induced cellular calcium elevation. <i>Toxicon</i> , 2004, 44, 45-51.	0.8	51
7	Effects of ocean acidification increase embryonic sensitivity to thermal extremes in Atlantic cod, <i>Gadus morhua</i> . <i>Global Change Biology</i> , 2017, 23, 1499-1510.	4.2	50
8	5-Hydroxytryptamine 4(a) receptor expressed in Sf9 cells is palmitoylated in an agonist-dependent manner. <i>Biochemical Journal</i> , 2001, 353, 627-634.	1.7	49
9	Form and function of F-actin during biomineralization revealed from live experiments on foraminifera. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 4111-4116.	3.3	44
10	Mode of action of membrane-disruptive lytic compounds from the marine dinoflagellate <i>Alexandrium tamarense</i> . <i>Toxicon</i> , 2011, 58, 247-258.	0.8	41
11	Electrophysiological Investigation of Different Methods of Anesthesia in Lobster and Crayfish. <i>PLoS ONE</i> , 2016, 11, e0162894.	1.1	36
12	Bromoageliferin and dibromoageliferin, secondary metabolites from the marine sponge <i>Agelas confifera</i> , inhibit voltage-operated, but not store-operated calcium entry in PC12 cells. <i>Toxicon</i> , 2005, 45, 627-632.	0.8	34
13	Functional neuroanatomy of the rhinophore of <i>Aplysia punctata</i> . <i>Frontiers in Zoology</i> , 2006, 3, 6.	0.9	33
14	Ageladine A, a pyrrole-imidazole alkaloid from marine sponges, is a pH sensitive membrane permeable dye. <i>Biochemical and Biophysical Research Communications</i> , 2008, 373, 419-422.	1.0	31
15	5-HT-receptor-induced changes of the intracellular cAMP level monitored by a hyperpolarization-activated cation channel. <i>Pflügers Archiv European Journal of Physiology</i> , 2002, 443, 418-426.	1.3	30
16	The physiological response of the marine platyhelminth <i>Macrostomum lignano</i> to different environmental oxygen concentrations. <i>Journal of Experimental Biology</i> , 2013, 216, 2741-51.	0.8	30
17	5-Hydroxytryptamine 4(a) receptor expressed in Sf9 cells is palmitoylated in an agonist-dependent manner. <i>Biochemical Journal</i> , 2001, 353, 627.	1.7	29
18	Adjustments of molecular key components of branchial ion and pH regulation in Atlantic cod ( <i>Gadus</i> ). <i>Biochemistry and Molecular Biology</i> , 2016, 193, 33-46.	0.7	26

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19	Fish embryo vulnerability to combined acidification and warming coincides with low capacity for homeostatic regulation. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	26
20	Congener specific effects by polychlorinated biphenyls on catecholamine content and release in chromaffin cells. <i>Archives of Toxicology</i> , 1997, 71, 416-421.	1.9	24
21	Shrimp and microplastics: A case study with the Atlantic ditch shrimp <i>Palaemon varians</i> . <i>Ecotoxicology and Environmental Safety</i> , 2022, 234, 113394.	2.9	23
22	Effects of inorganic mercury (Hg <sup>2+</sup> ) on calcium channel currents and catecholamine release from bovine chromaffin cells. <i>Archives of Toxicology</i> , 1995, 69, 191-196.	1.9	22
23	Uptake of Fluorescent Iron Oxide Nanoparticles by Oligodendroglial OLN-93 Cells. <i>Neurochemical Research</i> , 2014, 39, 372-383.	1.6	22
24	Separate and combined effects of neurotoxic and lytic compounds of <i>Alexandrium</i> strains on <i>Mytilus edulis</i> feeding activity and hemocyte function. <i>Fish and Shellfish Immunology</i> , 2019, 84, 414-422.	1.6	21
25	Incorporated nematocysts in <i>Aeolidiella stephanieae</i> (Gastropoda, Opisthobranchia, Aeolidioidea) mature by acidification shown by the pH sensitive fluorescing alkaloid Ageladine A. <i>Toxicon</i> , 2012, 60, 1108-1116.	0.8	19
26	Omega AGA toxin IVA blocks high-voltage-activated calcium channel currents in cultured pars intercerebralis neurosecretory cells of adult locusta migratoria. <i>Neuroscience Letters</i> , 1994, 181, 113-116.	1.0	18
27	Inhibition of multidrug resistance transporters in the diatom <i>Thalassiosira rotula</i> facilitates dye staining. <i>Plant Physiology and Biochemistry</i> , 2008, 46, 100-103.	2.8	18
28	TOOTH IMPACT RATE ALTERATION IN THE SONG OF MALES OF <i>EPHIPPIGER EPHIPPIGER</i> (ORTHOPTERA, TETTIGONIIDAE) AND ITS CONSEQUENCES FOR PHONOTACTIC BEHAVIOUR OF FEMALES. <i>Bioacoustics</i> , 1991, 3, 1-16.	0.7	17
29	Effects of tetrandrine on calcium channel currents of bovine chromaffin cells. <i>Neuropharmacology</i> , 1994, 33, 885-890.	2.0	17
30	Inhibition of multidrug/xenobiotic resistance transporter by MK571 improves dye (Fura 2) accumulation in crustacean tissues from lobster, shrimp, and isopod. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 150, 368-371.	1.3	17
31	Calcium Channel Currents in Cultured Pars Intercerebralis Neurosecretory Cells of Adult <i>Locusta Migratoria</i> . <i>Journal of Experimental Biology</i> , 1994, 197, 393-398.	0.8	17
32	Spatial compartmentalization of free radical formation and mitochondrial heterogeneity in bivalve gills revealed by live-imaging techniques. <i>Frontiers in Zoology</i> , 2016, 13, 4.	0.9	16
33	Locust Medial Neurosecretory Cells <i>in vitro</i> : Morphology, Electrophysiological Properties and Effects of Temperature. <i>Journal of Experimental Biology</i> , 1993, 183, 323-339.	0.8	16
34	Development of calcium currents in cultures of mouse spinal cord and dorsal root ganglion neurones. <i>NeuroReport</i> , 1993, 4, 131-134.	0.6	15
35	The Alkaloid Ageladine A, Originally Isolated from Marine Sponges, Used for pH-Sensitive Imaging of Transparent Marine Animals. <i>Marine Drugs</i> , 2012, 10, 223-233.	2.2	15
36	Tetrandrine effects on calcium currents in cultured neurones of foetal mice. <i>NeuroReport</i> , 1993, 4, 938-940.	0.6	14

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37	Measuring Ca <sup>2+</sup> -signalling at fertilization in the sea urchin <i>Psammechinus miliaris</i> : Alterations of this Ca <sup>2+</sup> -signal by copper and 2,4,6-tribromophenol. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 150, 261-269.	1.3	14
38	The bimodal auditory-vibratory system of the thoracic ventral nerve cord in <i>Locusta migratoria</i> (Acrididae, Locustinae, Oedipodini). <i>The Journal of Experimental Zoology</i> , 1992, 264, 381-394.	1.4	13
39	The marine secondary metabolites 2,4-dibromophenol and 2,4,6-tribromophenol differentially modulate voltage dependent ion currents in neuroendocrine (PC12) cells. <i>Aquatic Toxicology</i> , 2006, 79, 384-390.	1.9	13
40	Disturbance of voltage-induced cellular calcium entry by marine dimeric and tetrameric pyrrole-imidazole alkaloids. <i>Toxicon</i> , 2007, 50, 490-497.	0.8	13
41	Tracking of fast moving neuronal vesicles with ageladine A. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 489-494.	1.0	13
42	Exposure to dissolved TNT causes multilevel biological effects in Baltic mussels ( <i>Mytilus</i> spp.). <i>Marine Environmental Research</i> , 2021, 167, 105264.	1.1	13
43	Blockade of voltage-operated calcium channels, increase in spontaneous catecholamine release and elevation of intracellular calcium levels in bovine chromaffin cells by the plant alkaloid tetrandrine. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1998, 357, 441-445.	1.4	12
44	CO <sub>2</sub> -induced fertilization impairment in <i>Strongylocentrotus droebachiensis</i> collected in the Arctic. <i>Helgoland Marine Research</i> , 2014, 68, 341-356.	1.3	12
45	Copper and cadmium administration induce toxicity and oxidative stress in the marine flatworm <i>Macrostomum lignano</i> . <i>Aquatic Toxicology</i> , 2020, 221, 105428.	1.9	12
46	Acoustic behaviour of <i>Ephippiger ephippiger fiebig</i> (Orthoptera, Tettigoniidae) within a habitat of Southern France. <i>Behavioural Processes</i> , 1991, 23, 125-135.	0.5	11
47	Perspectives on the synthesis and use of ageladine A. <i>Tetrahedron Letters</i> , 2015, 56, 4363-4366.	0.7	11
48	A secondary metabolite, 4,5-dibromopyrrole-2-carboxylic acid, from marine sponges of the genus <i>Agelas</i> alters cellular calcium signals. <i>Environmental Toxicology and Pharmacology</i> , 2005, 19, 423-427.	2.0	10
49	Foraminiferal Ultrastructure: A perspective From Fluorescent and Fluorogenic Probes. <i>Journal of Geophysical Research C: Biogeosciences</i> , 2019, 124, 2823-2850.	1.3	10
50	Effects of deltamethrin on catecholamine secretion of bovine chromaffin cells. <i>Archives of Toxicology</i> , 1994, 68, 532-534.	1.9	9
51	The Chemically Synthesized Ageladine A-Derivative LysoGlow84 Stains Lysosomes in Viable Mammalian Brain Cells and Specific Structures in the Marine Flatworm <i>Macrostomum lignano</i> . <i>Marine Drugs</i> , 2015, 13, 920-935.	2.2	9
52	Siphonodictyal B1 from a Marine Sponge Increases Intracellular Calcium Levels Comparable to the Ca <sup>2+</sup> -ATPase (SERCA) Inhibitor Thapsigargin. <i>Marine Biotechnology</i> , 2010, 12, 267-272.	1.1	8
53	Reporter Dyes Demonstrate Functional Expression of Multidrug Resistance Proteins in the Marine Flatworm <i>Macrostomum lignano</i> : The Sponge-Derived Dye Ageladine A Is Not a Substrate of These Transporters. <i>Marine Drugs</i> , 2013, 11, 3951-3969.	2.2	7
54	Tetrandrine blocks voltage-dependent calcium entry and inhibits the bradykinin-induced elevation of intracellular calcium in NG108-15 cells. <i>NeuroToxicology</i> , 1996, 17, 335-41.	1.4	7

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55	Enhancement of photosynthesis in <i>Synechococcus bacillaris</i> by sponge-derived Ageladine A. PLoS ONE, 2019, 14, e0213771.	1.1	6
56	Sponge-derived Ageladine A affects the in vivo fluorescence emission spectra of microalgae. PLoS ONE, 2020, 15, e0242464.	1.1	6
57	Fluorescence measurements of the marine flatworm <i>Macrostomum lignano</i> during exposure to TNT and its derivatives 2-ADNT and 4-ADNT. Marine Environmental Research, 2020, 161, 105041.	1.1	5
58	In Vitro Effects of Paralytic Shellfish Toxins and Lytic Extracellular Compounds Produced by <i>Alexandrium</i> Strains on Hemocyte Integrity and Function in <i>Mytilus edulis</i> . Toxins, 2021, 13, 544.	1.5	5
59	Gymnodimine A and 13-desMethyl Spirolide C Alter Intracellular Calcium Levels via Acetylcholine Receptors. Toxins, 2020, 12, 751.	1.5	4
60	SiR-actin-labelled granules in foraminifera: patterns, dynamics, and hypotheses. Biogeosciences, 2020, 17, 995-1011.	1.3	4
61	Functional neuroanatomy of the rhinophore of <i>Archidoris pseudoargus</i> . Helgoland Marine Research, 2007, 61, 135-142.	1.3	3
62	Multidrug resistance transporter in the midgut gland and the brain of crustaceans. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2008, 151, S2-S3.	0.8	2
63	Permanent ectoplasmic structures in deep-sea <i>Cibicides</i> and <i>Cibicidoides</i> taxa – long-term observations at in situ pressure. Biogeosciences, 2021, 18, 3903-3915.	1.3	2
64	Importance of Tooth Impact Rate in Acoustic Communication in Bushcrickets. , 1990, , 248-253.		2
65	Activating convergent signal pathways in respiratory neurons of the ventral medullary group. Respiratory Research, 2001, 2, 4.1.	1.4	1
66	Effects of sponge-derived Ageladine A on the photosynthesis of different microalgal species and strains. PLoS ONE, 2020, 15, e0244095.	1.1	1
67	Brominated pyrrole alkaloids from marine <i>Agelas</i> sponges reduce depolarization-induced cellular calcium elevation. Toxicon, 2004, 44, 45-45.	0.8	0