Reinhard W KÃ¶ster

List of Publications by Year
in descending order

78	5,833	126907	76900
papers	citations	33 h-index	74 g-index

81	81	81	6705
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapid directed molecular evolution of fluorescent proteins in mammalian cells. Protein Science, 2022, 31, 728-751.	7.6	11
2	In vivo Imaging of Fully Active Brain Tissue in Awake Zebrafish Larvae and Juveniles by Skull and Skin Removal. Journal of Visualized Experiments, 2021, , .	0.3	4
3	Genetic Modeling of the Neurodegenerative Disease Spinocerebellar Ataxia Type 1 in Zebrafish. International Journal of Molecular Sciences, 2021, 22, 7351.	4.1	9
4	A novel inhibitor rescues cerebellar defects in a zebrafish model of Down syndromeâ€“associated kinase Dyrk1A overexpression. Journal of Biological Chemistry, 2021, 297, 100853.	3.4	4
5	Purkinje cells located in the adult zebrafish valvula cerebelli exhibit variable functional responses. Scientific Reports, 2021, 11, 18408.	3.3	11
6	Structural Analysis and Spatiotemporal Expression of Atxn1 Genes in Zebrafish Embryos and Larvae. International Journal of Molecular Sciences, 2021, 22, 11348.	4.1	2
7	Erinacine C Activates Transcription from a Consensus ETS DNA Binding Site in Astrocytic Cells in Addition to NGF Induction. Biomolecules, 2020, 10, 1440.	4.0	5
8	All-age whole mount in situ hybridization to reveal larval and juvenile expression patterns in zebrafish. PLoS ONE, 2020, 15, e0237167.	2.5	15
9	NeuroExaminer: an all-glass microfluidic device for whole-brain in vivo imaging in zebrafish. Communications Biology, 2020, 3, 311.	4.4	10
10	Development of a Larval Zebrafish Infection Model for Clostridioides difficile. Journal of Visualized Experiments, 2020, , .	0.3	2
11	Functionally distinct Purkinje cell types show temporal precision in encoding locomotion. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17330-17337.	7.1	20
12	Microtubules and motor proteins support zebrafish neuronal migration by directing cargo. Journal of Cell Biology, 2020, 219, .	5.2	8
13	S-Sulfocysteine Induces Seizure-Like Behaviors in Zebrafish. Frontiers in Pharmacology, 2019, 10, 122.	3.5	8
14	Platinum alkynyl complexes: Cellular uptake, inhibition of thioredoxin reductase and toxicity in zebrafish embryos. Inorganica Chimica Acta, 2019, 495, 118982.	2.4	11
15	Von Willebrand Factor Mediates Pneumococcal Aggregation and Adhesion in Blood Flow. Frontiers in Microbiology, 2019, 10, 511.	3.5	10
16	Modeling Neurodegenerative Spinocerebellar Ataxia Type 13 in Zebrafish Using a Purkinje Neuron Specific Tunable Coexpression System. Journal of Neuroscience, 2019, 39, 3948-3969.	3.6	31
17	Neurological Disease Modelling for Spinocerebellar Ataxia Using Zebrafish. Journal of Experimental Neuroscience, 2019, 13, 1179069519880051.	2.3	9
18	Lernen durch Lehren: Teach It Forward auf drei Wegen. , 2019, , 409-417.		0

#	Article	IF	Citations
19	Sequence defined antibodies improve the detection of cadherin 2 (N-cadherin) during zebrafish development. New Biotechnology, 2018, 45, 98-112.	4.4	12
20	Two New Cyathane Diterpenoids from Mycelial Cultures of the Medicinal Mushroom Hericium erinaceus and the Rare Species, Hericium flagellum. International Journal of Molecular Sciences, 2018, 19, 740.	4.1	47
21	Glycine is able to induce both a motility speed in- and decrease during zebrafish neuronal migration. Communicative and Integrative Biology, 2018, 11, 1-7.	1.4	8
22	Culture and Transfection of Zebrafish Primary Cells. Journal of Visualized Experiments, 2018, , .	0.3	2
23	Neurotransmitter-mediated activity spatially controls neuronal migration in the zebrafish cerebellum. PLoS Biology, 2018, 16, e2002226.	5.6	14
24	Embryonic zebrafish primary cell culture for transfection and live cellular and subcellular imaging. Developmental Biology, 2017, 430, 18-31.	2.0	13
25	Eppur Si Muove: Evidence for an External Granular Layer and Possibly Transit Amplification in the Teleostean Cerebellum. Frontiers in Neuroanatomy, 2016, 10, 49.	1.7	16
26	Corallocins Aâ€“C, Nerve Growth and Brain-Derived Neurotrophic Factor Inducing Metabolites from the Mushroom Hericium coralloides. Journal of Natural Products, 2016, 79, 2264-2269.	3.0	59
27	Caspase-mediated apoptosis induction in zebrafish cerebellar Purkinje neurons. Development (Cambridge), 2016, 143, 4279-4287.	2.5	14
28	Zebrafish jamâ€b2 Gal4â€enhancer trap line recapitulates endogenous jamâ€b2 expression in extraocular muscles. Developmental Dynamics, 2015, 244, 1574-1580.	1.8	3
29	Functional regionalization of the teleost cerebellum analyzed in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11846-11851.	7.1	84
30	Identification of the zebrafish red nucleus using Wheat Germ Agglutinin transneuronal tracing. Communicative and Integrative Biology, 2014, 7, e994383.	1.4	11
31	Usefulness of a Darwinian System in a Biotechnological Application: Evolution of Optical Window Fluorescent Protein Variants under Selective Pressure. PLoS ONE, 2014, 9, e107069.	2.5	3
32	Genetic tools for multicolor imaging in zebrafish larvae. Methods, 2013, 62, 279-291.	3.8	64
33	Studying cellular and subcellular dynamics in the developing zebrafish nervous system. Experimental Neurology, 2013, 242, 1-10.	4.1	14
34	Evaluation of arene ruthenium(<scp>ii</scp>) N-heterocyclic carbene complexes as organometallics interacting with thiol and selenol containing biomolecules. Dalton Transactions, 2013, 42, 1657-1666.	3.3	118
35	A comparative chemicalâ€“biological evaluation of titanium(iv) complexes with a salan or cyclopentadienyl ligand. Chemical Communications, 2013, 49, 4785.	4.1	55
36	TigarB causes mitochondrial dysfunction and neuronal loss in PINK1 deficiency. Annals of Neurology, 2013, 74, 837-847.	5.3	68

#	Article	IF	Citations
37	IAPs regulate the plasticity of cell migration by directly targeting Rac1 for degradation. EMBO Journal, 2012, 31, 14-28.	7.8	117
38	Silencer-delimited transgenesis: NRSE/RE1 sequences promote neural-specific transgene expression in a NRSF/REST-dependent manner. BMC Biology, 2012, 10, 93.	3.8	22
39	Automated Reporter Quantification In Vivo: High-Throughput Screening Method for Reporter-Based Assays in Zebrafish. PLoS ONE, 2012, 7, e29916.	2.5	96
40	Catalytic Azide Reduction in Biological Environments. ChemBioChem, 2012, 13, 1116-1120.	2.6	113
41	The long adventurous journey of rhombic lip cells in jawed vertebrates: a comparative developmental analysis. Frontiers in Neuroanatomy, 2011, 5, 27.	1.7	86
42	Targeting Olfactory Bulb Neurons Using Combined In Vivo Electroporation and Gal4-Based Enhancer Trap Zebrafish Lines. Journal of Visualized Experiments, 2011, , .	0.3	7
43	In vivo cell biology using Gal4 mediated multicolour subcellular labelling in zebrafish. Communicative and Integrative Biology, 2011, 4, 336-339.	1.4	9
44	The zebrafish cerebellar upper rhombic lip generates tegmental hindbrain nuclei by longâ€distance migration in an evolutionary conserved manner. Journal of Comparative Neurology, 2010, 518, 2794-2817.	1.6	79
45	The centrosome neither persistently leads migration nor determines the site of axonogenesis in migrating neurons in vivo. Journal of Cell Biology, 2010, 191, 1413-1413.	5.2	2
46	The centrosome neither persistently leads migration nor determines the site of axonogenesis in migrating neurons in vivo. Journal of Cell Biology, 2010, 191, 875-890.	5.2	145
47	Fluorescent protein imaging with multispectral optoacoustic tomography. Proceedings of SPIE, 2010, , .	0.8	0
48	Imaging the Cell Biology of Neuronal Migration in Zebrafish. , 2010, , 35-67.		0
49	Analysis of Gene Expression by In Situ Hybridization on Adult Zebrafish Brain Sections. Cold Spring Harbor Protocols, 2010, 2010, pdb.prot5382-pdb.prot5382.	0.3	3
50	Kita Driven Expression of Oncogenic HRAS Leads to Early Onset and Highly Penetrant Melanoma in Zebrafish. PLoS ONE, 2010, 5, e15170.	2.5	134
51	Cadherin-2 Controls Directional Chain Migration of Cerebellar Granule Neurons. PLoS Biology, 2009, 7, e1000240.	5.6	78
52	Complex I deficiency and dopaminergic neuronal cell loss in parkin-deficient zebrafish (Danio rerio). Brain, 2009, 132, 1613-1623.	7.6	173
53	Lunatic fringe promotes the lateral inhibition of neurogenesis. Development (Cambridge), 2009, 136, 2523-2533.	2.5	48
54	Multispectral opto-acoustic tomography of deep-seated fluorescent proteins in vivo. Nature Photonics, 2009, 3, 412-417.	31.4	632

#	Article	IF	Citations
55	In vivo synthesis of meganuclease for generating transgenic zebrafish Danio rerio. Journal of Fish Biology, 2009, 74, 452-457.	1.6	9
56	Global Repression of Cancer Gene Expression in a Zebrafish Model of Melanoma Is Linked to Epigenetic Regulation. Zebrafish, 2009, 6, 417-424.	1.1	48
57	Optimized Gal4 genetics for permanent gene expression mapping in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13365-13370.	7.1	275
58	Culturing and Transfecting Zebrafish PAC2 Fibroblast Cells. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5235.	0.3	9
59	A zebrafish model of tauopathy allows in vivo imaging of neuronal cell death and drug evaluation. Journal of Clinical Investigation, 2009, 119, 1382-1395.	8.2	238
60	Polysialyltransferase expression is linked to neuronal migration in the developing and adult zebrafish. Developmental Dynamics, 2008, 237, 276-285.	1.8	28
61	Novel caspaseâ€suicide proteins for tamoxifenâ€inducible apoptosis. Genesis, 2008, 46, 530-536.	1.6	18
62	The zebrafish cerebellar rhombic lip is spatially patterned in producing granule cell populations of different functional compartments. Developmental Biology, 2008, 313, 167-180.	2.0	77
63	Preparation of Zebrafish Embryos for Transmission Electron Microscopy. Cold Spring Harbor Protocols, 2007, 2007, pdb.prot4772-pdb.prot4772.	0.3	4
64	In Vivo Time-Lapse Imaging of Zebrafish Embryonic Development. Cold Spring Harbor Protocols, 2007, 2007, pdb.prot4816-pdb.prot4816.	0.3	46
65	In Vivo Retrograde Labeling of Neurons in the Zebrafish Embryo or Larva with Rhodamine Dextran. Cold Spring Harbor Protocols, 2007, 2007, pdb.prot4832.	0.3	1
66	FGF Signaling Mediates Regeneration of the Differentiating Cerebellum through Repatterning of the Anterior Hindbrain and Reinitiation of Neuronal Migration. Journal of Neuroscience, 2006, 26, 7293-7304.	3.6	58
67	Multicolor in vivo time-lapse imaging at cellular resolution by stereomicroscopy. Developmental Dynamics, 2006, 235, 1100-06.	1.8	7
68	Quantum dots are powerful multipurpose vital labeling agents in zebrafish embryos. Developmental Dynamics, 2005, 234, 670-681.	1.8	100
69	Time-Lapse Microscopy of Brain Development. Methods in Cell Biology, 2004, 76, 207-235.	1.1	23
70	Intracardiac fluid forces are an essential epigenetic factor for embryonic cardiogenesis. Nature, 2003, 421, 172-177.	27.8	943
71	The teleost fish medaka (Oryzias latipes) as genetic model to study gravity dependent bone homeostasis in vivo. Advances in Space Research, 2003, 32, 1459-1465.	2.6	27
72	Tracing Transgene Expression in Living Zebrafish Embryos. Developmental Biology, 2001, 233, 329-346.	2.0	300

#	Article	IF	Citations
73	Direct imaging of in vivo neuronal migration in the developing cerebellum. Current Biology, 2001, 11, 1858-1863.	3.9	126
74	Ectopic Sox3 activity elicits sensory placode formation. Mechanisms of Development, 2000, 95, 175-187.	1.7	98
75	A genetic screen for mutations affecting embryonic development in medaka fish (Oryzias latipes). Mechanisms of Development, 2000, 97, 133-139.	1.7	135
76	Six3, a medaka homologue of the Drosophila homeobox gene sine oculis is expressed in the anterior embryonic shield and the developing eye. Mechanisms of Development, 1998, 74, 159-164.	1.7	145
77	Ectopic lens induction in fish in response to the murine homeobox gene Six3. Mechanisms of Development, 1996, 60, 233-239.	1.7	190
78	Neurotrophin-6 is a new member of the nerve growth factor family. Nature, 1994, 372, 266-269.	27.8	392