

# Thomas O Auer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8828580/publications.pdf>

Version: 2024-02-01

22  
papers

1,600  
citations

567281

15  
h-index

713466

21  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2671  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient CRISPR/Cas9-mediated knock-in in zebrafish by homology-independent DNA repair. <i>Genome Research</i> , 2014, 24, 142-153.	5.5	552
2	CRISPR/Cas9 and TALEN-mediated knock-in approaches in zebrafish. <i>Methods</i> , 2014, 69, 142-150.	3.8	149
3	Sexual circuitry in <i>Drosophila</i> . <i>Current Opinion in Neurobiology</i> , 2016, 38, 18-26.	4.2	141
4	Olfactory receptor and circuit evolution promote host specialization. <i>Nature</i> , 2020, 579, 402-408.	27.8	131
5	An expression atlas of variant ionotropic glutamate receptors identifies a molecular basis of carbonation sensing. <i>Nature Communications</i> , 2018, 9, 4252.	12.8	116
6	CRISPR/Cas9-mediated conversion of eGFP- into Gal4-transgenic lines in zebrafish. <i>Nature Protocols</i> , 2014, 9, 2823-2840.	12.0	62
7	2C-Cas9: a versatile tool for clonal analysis of gene function. <i>Genome Research</i> , 2016, 26, 681-692.	5.5	57
8	Genomic and Phenotypic Characterization of a Wild Medaka Population: Towards the Establishment of an Isogenic Population Genetic Resource in Fish. <i>G3: Genes, Genomes, Genetics</i> , 2014, 4, 433-445.	1.8	54
9	The dual developmental origin of spinal cerebrospinal fluid-contacting neurons gives rise to distinct functional subtypes. <i>Scientific Reports</i> , 2017, 7, 719.	3.3	52
10	Mate discrimination among subspecies through a conserved olfactory pathway. <i>Science Advances</i> , 2020, 6, eaba5279.	10.3	41
11	An interhemispheric neural circuit allowing binocular integration in the optic tectum. <i>Nature Communications</i> , 2019, 10, 5471.	12.8	35
12	An Attractive Reelin Gradient Establishes Synaptic Lamination in the Vertebrate Visual System. <i>Neuron</i> , 2018, 97, 1049-1062.e6.	8.1	34
13	Deletion of a kinesin I motor unmasks a mechanism of homeostatic branching control by neurotrophin-3. <i>ELife</i> , 2015, 4, .	6.0	30
14	Dynactin1 depletion leads to neuromuscular synapse instability and functional abnormalities. <i>Molecular Neurodegeneration</i> , 2019, 14, 27.	10.8	29
15	<i>Drosophila sechellia</i>: A Genetic Model for Behavioral Evolution and Neuroecology. <i>Annual Review of Genetics</i> , 2021, 55, 527-554.	7.6	28
16	Characterization of the Calcium Binding Protein Family in Zebrafish. <i>PLoS ONE</i> , 2013, 8, e53299.	2.5	28
17	Second-Generation<i>Drosophila</i>Chemical Tags: Sensitivity, Versatility, and Speed. <i>Genetics</i> , 2017, 205, 1399-1408.	2.9	25
18	Combining Computational Prediction of Cis-Regulatory Elements with a New Enhancer Assay to Efficiently Label Neuronal Structures in the Medaka Fish. <i>PLoS ONE</i> , 2011, 6, e19747.	2.5	11

#	ARTICLE	IF	CITATIONS
19	TReND in Africa: Toward a Truly Global (Neuro)science Community. <i>Neuron</i> , 2020, 107, 412-416.	8.1	8
20	Olfactory receptorâ€“dependent receptor repression in <i>Drosophila</i> . <i>Science Advances</i> , 2021, 7, .	10.3	8
21	Homology-Independent Integration of Plasmid DNA into the Zebrafish Genome. <i>Methods in Molecular Biology</i> , 2016, 1451, 31-51.	0.9	4
22	Cracking the encoding of human scent in the mosquito brain. <i>Trends in Neurosciences</i> , 2022, , .	8.6	0