Stefan H Geyer

List of Publications by Year
in descending order

41 papers	1,322 citations	567281 15 h-index	377865 34 g-index
42 all docs	42 docs citations	42 times ranked	1979 citing authors

#	Article	IF	Citations
1	Placentation defects are highly prevalent in embryonic lethal mouse mutants. Nature, 2018, 555, 463-468.	27.8	287
2	The dynamic anatomy and patterning of skin. Experimental Dermatology, 2016, 25, 92-98.	2.9	231
3	High-resolution episcopic microscopy: a rapid technique for high detailed 3D analysis of gene activity in the context of tissue architecture and morphology. Anatomy and Embryology, 2006, 211, 213-221.	1.5	147
4	Correlated Multimodal Imaging in Life Sciences: Expanding the Biomedical Horizon. Frontiers in Physics, 2020, 8, .	2.1	61
5	Comparative study of regenerative effects of mesenchymal stem cells derived from placental amnion, chorion and umbilical cord on dermal wounds. Placenta, 2018, 65, 37-46.	1.5	46
6	ÂµMRIâ€“HREM pipeline for highâ€throughput, highâ€resolution phenotyping of murine embryos. Journal of Anatomy, 2007, 211, 132-137.	1.5	45
7	A Specific CNOT1 Mutation Results in a Novel Syndrome of Pancreatic Agenesis and Holoprosencephaly through Impaired Pancreatic and Neurological Development. American Journal of Human Genetics, 2019, 104, 985-989.	6.2	43
8	Visualizing Vertebrate Embryos with Episcopic 3D Imaging Techniques. Scientific World Journal, The, 2009, 9, 1423-1437.	2.1	41
9	Phenotyping structural abnormalities in mouse embryos using high-resolution episcopic microscopy. DMM Disease Models and Mechanisms, 2014, 7, 1143-1152.	2.4	41
10	Highly variable penetrance of abnormal phenotypes in embryonic lethal knockout mice. Wellcome Open Research, 2016, 1, 1.	1.8	29
11	High-resolution Episcopic Microscopy (HREM) - Simple and Robust Protocols for Processing and Visualizing Organic Materials. Journal of Visualized Experiments, 2017, , .	0.3	25
12	A staging system for correct phenotype interpretation of mouse embryos harvested on embryonic day 14 (E14.5). Journal of Anatomy, 2017, 230, 710-719.	1.5	24
13	Some Mice Feature 5th Pharyngeal Arch Arteries and Double-Lumen Aortic Arch Malformations. Cells Tissues Organs, 2012, 196, 90-98.	2.3	23
14	High-Resolution Episcopic Microscopy (HREM): A Tool for Visualizing Skin Biopsies. Microscopy and Microanalysis, 2014, 20, 1356-1364.	0.4	21
15	Episcopic 3D Imaging Methods: Tools for Researching Gene Function. Current Genomics, 2008, 9, 282-289.	1.6	20
16	Visualising the Cardiovascular System of Embryos of Biomedical Model Organisms with High Resolution Episcopic Microscopy (HREM). Journal of Cardiovascular Development and Disease, 2018, 5, 58.	1.6	20
17	Morphology, topology and dimensions of the heart and arteries of genetically normal and mutant mouse embryos at stages S21â€“S23. Journal of Anatomy, 2017, 231, 600-614.	1.5	17
18	Common and distinct transcriptional signatures of mammalian embryonic lethality. Nature Communications, 2019, 10, 2792.	12.8	16

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19	Highly variable penetrance of abnormal phenotypes in embryonic lethal knockout mice. Wellcome Open Research, 0, 1, 1.	1.8	16
20	High-Resolution Episcopic Microscopy Data-Based Measurements of the Arteries of Mouse Embryos: Evaluation of Significance and Reproducibility under Routine Conditions. Cells Tissues Organs, 2012, 195, 524-534.	2.3	15
21	High-resolution episcopic microscopy (HREM): A useful technique for research in wound care. Annals of Anatomy, 2015, 197, 3-10.	1.9	15
22	High-Resolution Episcopic Microscopy (HREM): Looking Back on 13 Years of Successful Generation of Digital Volume Data of Organic Material for 3D Visualisation and 3D Display. Applied Sciences (Switzerland), 2019, 9, 3826.	2.5	14
23	Threeâ€dimensional description and mathematical characterization of the parasellar internal carotid artery in human infants. Journal of Anatomy, 2008, 212, 636-644.	1.5	13
24	The dermal arteries in the cutaneous angiosome of the descending genicular artery. Journal of Anatomy, 2018, 232, 979-986.	1.5	12
25	Metric characterization of the aortic arch of early mouse fetuses and of a fetus featuring a double lumen aortic arch malformation. Annals of Anatomy, 2013, 195, 175-182.	1.9	11
26	The Col4a2 em1(IMPC)Wtsi mouse line â€“ lessons from the deciphering the mechanisms of developmental disorders (DMDD) program. Biology Open, 2019, 8, .	1.2	11
27	High-Resolution Episcopic Imaging for Visualization of Dermal Arteries and Nerves of the Auricular Cymba Conchae in Humans. Frontiers in Neuroanatomy, 2020, 14, 22.	1.7	11
28	Three-Dimensional (3D) Visualisation of the Cardiovascular System of Mouse Embryos and Fetus. The Open Cardiovascular Imaging Journal, 2009, 1, 1-12.	0.3	10
29	Smooth Muscle Specific Ablation of CXCL12 in Mice Downregulates CXCR7 Associated with Defective Coronary Arteries and Cardiac Hypertrophy. International Journal of Molecular Sciences, 2021, 22, 5908.	4.1	8
30	The venous system of E14.5 mouse embryosâ€”reference data and examples for diagnosing malformations in embryos with gene deletions. Journal of Anatomy, 2022, 240, 11-22.	1.5	8
31	Cross-Modality Imaging of Murine Tumor Vasculatureâ€”a Feasibility Study. Molecular Imaging and Biology, 2021, 23, 874-893.	2.6	7
32	High-Resolution Episcopic Microscopy (HREM) in Multimodal Imaging Approaches. Biomedicines, 2021, 9, 1918.	3.2	7
33	Hypoglossal Nerve Abnormalities as Biomarkers for Central Nervous System Defects in Mouse Lines Producing Embryonically Lethal Offspring. Frontiers in Neuroanatomy, 2021, 15, 625716.	1.7	6
34	In-Silico Ear Model Based on Episcopic Images for Percutaneous Auricular Vagus Nerve Stimulation. , 2018, , .		5
35	Multimodality imaging beyond CLEM: Showcases of combined in-vivo preclinical imaging and ex-vivo microscopy to detect murine mural vascular lesions. Methods in Cell Biology, 2021, 162, 389-415.	1.1	5
36	Artefacts in Volume Data Generated with High Resolution Episcopic Microscopy (HREM). Biomedicines, 2021, 9, 1711.	3.2	5

#	Article	IF	Citations
37	High Resolution Episcopic Microscopy â€“ Current Applications. Current Biotechnology, 2012, 1, 281-286.	0.4	3
38	Models in researching cardiovascular morphogenesis. Birth Defects Research Part C: Embryo Today Reviews, 2012, 96, 163-175.	3.6	1
39	Visualizing 3D Embryo and Tissue Morphologyâ€”A Decade of Using High-Resolution Episcopic Microscopy (HREM) in Biomedical Imaging. Biomedicines, 2022, 10, 1123.	3.2	1
40	Author reply. Journal of Anatomy, 2021, , .	1.5	0
41	Embryonic Development of theÂCardiovascular System. Learning Materials in Biosciences, 2019, , 113-129.	0.4	0