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	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
2	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
3	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
4	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
5	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
6	Cross-Modality Imaging of Murine Tumor Vasculatureâ€"a Feasibility Study. Molecular Imaging and Biology, 2021, 23, 874-893.	2.6	7
7	Author reply. Journal of Anatomy, 2021, , .	1.5	0
8	Artefacts in Volume Data Generated with High Resolution Episcopic Microscopy (HREM). Biomedicines, 2021, 9, 1711.	3.2	5
9	High-Resolution Episcopic Microscopy (HREM) in Multimodal Imaging Approaches. Biomedicines, 2021, 9, 1918.	3.2	7
10	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
11	Correlated Multimodal Imaging in Life Sciences: Expanding the Biomedical Horizon. Frontiers in Physics, 2020, 8, .	2.1	61
12	Common and distinct transcriptional signatures of mammalian embryonic lethality. Nature Communications, 2019, 10, 2792.	12.8	16
13	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
14	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
15	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
16	Embryonic Development of theÂCardiovascular System. Learning Materials in Biosciences, 2019, , 113-129.	0.4	0
17	The dermal arteries in the cutaneous angiosome of the descending genicular artery. Journal of Anatomy, 2018, 232, 979-986.	1.5	12
18	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

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19	Placentation defects are highly prevalent in embryonic lethal mouse mutants. Nature, 2018, 555, 463-468.	27.8	287
20	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
21	In-Silico Ear Model Based on Episcopic Images for Percutaneous Auricular Vagus Nerve Stimulation. , 2018, , .		5
22	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
23	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
24	High-resolution Episcopic Microscopy (HREM) - Simple and Robust Protocols for Processing and Visualizing Organic Materials. Journal of Visualized Experiments, 2017, , .	0.3	25
25	The dynamic anatomy and patterning of skin. Experimental Dermatology, 2016, 25, 92-98.	2.9	231
26	Highly variable penetrance of abnormal phenotypes in embryonic lethal knockout mice. Wellcome Open Research, 2016, 1, 1.	1.8	29
27	High-resolution episcopic microscopy (HREM): A useful technique for research in wound care. Annals of Anatomy, 2015, 197, 3-10.	1.9	15
28	Phenotyping structural abnormalities in mouse embryos using high-resolution episcopic microscopy. DMM Disease Models and Mechanisms, 2014, 7, 1143-1152.	2.4	41
29	High-Resolution Episcopic Microscopy (HREM): A Tool for Visualizing Skin Biopsies. Microscopy and Microanalysis, 2014, 20, 1356-1364.	0.4	21
30	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
31	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
32	Some Mice Feature 5th Pharyngeal Arch Arteries and Double-Lumen Aortic Arch Malformations. Cells Tissues Organs, 2012, 196, 90-98.	2.3	23
33	Models in researching cardiovascular morphogenesis. Birth Defects Research Part C: Embryo Today Reviews, 2012, 96, 163-175.	3.6	1
34	High Resolution Episcopic Microscopy â€“ Current Applications. Current Biotechnology, 2012, 1, 281-286.	0.4	3
35	Visualizing Vertebrate Embryos with Episcopic 3D Imaging Techniques. Scientific World Journal, The, 2009, 9, 1423-1437.	2.1	41
36	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

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37	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
38	Episcopic 3D Imaging Methods: Tools for Researching Gene Function. Current Genomics, 2008, 9, 282-289.	1.6	20
39	ÂµMRIâ€“HREM pipeline for highâ€throughput, highâ€resolution phenotyping of murine embryos. Journal of Anatomy, 2007, 211, 132-137.	1.5	45
40	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
41	Highly variable penetrance of abnormal phenotypes in embryonic lethal knockout mice. Wellcome Open Research, 0, 1, 1.	1.8	16