

Stefan H Geyer

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,322
citations

567144

15
h-index

377752

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. <i>Journal of Anatomy</i> , 2022, 240, 11-22.	0.9	8
2	Visualizing 3D Embryo and Tissue Morphologyâ€”A Decade of Using High-Resolution Episcopic Microscopy (HREM) in Biomedical Imaging. <i>Biomedicines</i> , 2022, 10, 1123.	1.4	1
3	Multimodality imaging beyond CLEM: Showcases of combined in-vivo preclinical imaging and ex-vivo microscopy to detect murine mural vascular lesions. <i>Methods in Cell Biology</i> , 2021, 162, 389-415.	0.5	5
4	Hypoglossal Nerve Abnormalities as Biomarkers for Central Nervous System Defects in Mouse Lines Producing Embryonically Lethal Offspring. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 625716.	0.9	6
5	Smooth Muscle Specific Ablation of CXCL12 in Mice Downregulates CXCR7 Associated with Defective Coronary Arteries and Cardiac Hypertrophy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5908.	1.8	8
6	Cross-Modality Imaging of Murine Tumor Vasculatureâ€”a Feasibility Study. <i>Molecular Imaging and Biology</i> , 2021, 23, 874-893.	1.3	7
7	Author reply. <i>Journal of Anatomy</i> , 2021, , .	0.9	0
8	Artefacts in Volume Data Generated with High Resolution Episcopic Microscopy (HREM). <i>Biomedicines</i> , 2021, 9, 1711.	1.4	5
9	High-Resolution Episcopic Microscopy (HREM) in Multimodal Imaging Approaches. <i>Biomedicines</i> , 2021, 9, 1918.	1.4	7
10	High-Resolution Episcopic Imaging for Visualization of Dermal Arteries and Nerves of the Auricular Cymba Conchae in Humans. <i>Frontiers in Neuroanatomy</i> , 2020, 14, 22.	0.9	11
11	Correlated Multimodal Imaging in Life Sciences: Expanding the Biomedical Horizon. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	61
12	Common and distinct transcriptional signatures of mammalian embryonic lethality. <i>Nature Communications</i> , 2019, 10, 2792.	5.8	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. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3826.	1.3	14
14	A Specific CNOT1 Mutation Results in a Novel Syndrome of Pancreatic Agenesis and Holoprosencephaly through Impaired Pancreatic and Neurological Development. <i>American Journal of Human Genetics</i> , 2019, 104, 985-989.	2.6	43
15	The <i>Col4a2</i> <i>em1</i> (IMPC) <i>Wtsi</i> mouse line â€” lessons from the deciphering the mechanisms of developmental disorders (DMDD) program. <i>Biology Open</i> , 2019, 8, .	0.6	11
16	Embryonic Development of the Cardiovascular System. <i>Learning Materials in Biosciences</i> , 2019, , 113-129.	0.2	0
17	The dermal arteries in the cutaneous angiosome of the descending genicular artery. <i>Journal of Anatomy</i> , 2018, 232, 979-986.	0.9	12
18	Comparative study of regenerative effects of mesenchymal stem cells derived from placental amnion, chorion and umbilical cord on dermal wounds. <i>Placenta</i> , 2018, 65, 37-46.	0.7	46

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19	Placentation defects are highly prevalent in embryonic lethal mouse mutants. <i>Nature</i> , 2018, 555, 463-468.	13.7	287
20	Visualising the Cardiovascular System of Embryos of Biomedical Model Organisms with High Resolution Episcopic Microscopy (HREM). <i>Journal of Cardiovascular Development and Disease</i> , 2018, 5, 58.	0.8	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). <i>Journal of Anatomy</i> , 2017, 230, 710-719.	0.9	24
23	Morphology, topology and dimensions of the heart and arteries of genetically normal and mutant mouse embryos at stages S21â€“S23. <i>Journal of Anatomy</i> , 2017, 231, 600-614.	0.9	17
24	High-resolution Episcopic Microscopy (HREM) - Simple and Robust Protocols for Processing and Visualizing Organic Materials. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	25
25	The dynamic anatomy and patterning of skin. <i>Experimental Dermatology</i> , 2016, 25, 92-98.	1.4	231
26	Highly variable penetrance of abnormal phenotypes in embryonic lethal knockout mice. <i>Wellcome Open Research</i> , 2016, 1, 1.	0.9	29
27	High-resolution episcopic microscopy (HREM): A useful technique for research in wound care. <i>Annals of Anatomy</i> , 2015, 197, 3-10.	1.0	15
28	Phenotyping structural abnormalities in mouse embryos using high-resolution episcopic microscopy. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 1143-1152.	1.2	41
29	High-Resolution Episcopic Microscopy (HREM): A Tool for Visualizing Skin Biopsies. <i>Microscopy and Microanalysis</i> , 2014, 20, 1356-1364.	0.2	21
30	Metric characterization of the aortic arch of early mouse fetuses and of a fetus featuring a double lumen aortic arch malformation. <i>Annals of Anatomy</i> , 2013, 195, 175-182.	1.0	11
31	High-Resolution Episcopic Microscopy Data-Based Measurements of the Arteries of Mouse Embryos: Evaluation of Significance and Reproducibility under Routine Conditions. <i>Cells Tissues Organs</i> , 2012, 195, 524-534.	1.3	15
32	Some Mice Feature 5th Pharyngeal Arch Arteries and Double-Lumen Aortic Arch Malformations. <i>Cells Tissues Organs</i> , 2012, 196, 90-98.	1.3	23
33	Models in researching cardiovascular morphogenesis. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2012, 96, 163-175.	3.6	1
34	High Resolution Episcopic Microscopy â€“ Current Applications. <i>Current Biotechnology</i> , 2012, 1, 281-286.	0.2	3
35	Visualizing Vertebrate Embryos with Episcopic 3D Imaging Techniques. <i>Scientific World Journal</i> , The, 2009, 9, 1423-1437.	0.8	41
36	Three-Dimensional (3D) Visualisation of the Cardiovascular System of Mouse Embryos and Fetus. <i>The Open Cardiovascular Imaging Journal</i> , 2009, 1, 1-12.	0.3	10

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37	Three-dimensional description and mathematical characterization of the parasellar internal carotid artery in human infants. <i>Journal of Anatomy</i> , 2008, 212, 636-644.	0.9	13
38	Episcopic 3D Imaging Methods: Tools for Researching Gene Function. <i>Current Genomics</i> , 2008, 9, 282-289.	0.7	20
39	μ CT/MRI/HRM pipeline for high-throughput, high-resolution phenotyping of murine embryos. <i>Journal of Anatomy</i> , 2007, 211, 132-137.	0.9	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. <i>Anatomy and Embryology</i> , 2006, 211, 213-221.	1.5	147
41	Highly variable penetrance of abnormal phenotypes in embryonic lethal knockout mice. <i>Wellcome Open Research</i> , 0, 1, 1.	0.9	16