Jeroen Bussmann

List of Publications by Year
in descending order

36 papers	3,545 citations	236925 25 h-index	345221 36 g-index
38 all docs	38 docs citations	38 times ranked	5113 citing authors

#	Article	IF	Citations
1	ccbe1 is required for embryonic lymphangiogenesis and venous sprouting. Nature Genetics, 2009, 41, 396-398.	21.4	409
2	The immunoglobulin heavy-chain locus in zebrafish: identification and expression of a previously unknown isotype, immunoglobulin Z. Nature Immunology, 2005, 6, 295-302.	14.5	377
3	Arterial-venous network formation during brain vascularization involves hemodynamic regulation of chemokine signaling. Development (Cambridge), 2011, 138, 1717-1726.	2.5	178
4	Arteries provide essential guidance cues for lymphatic endothelial cells in the zebrafish trunk. Development (Cambridge), 2010, 137, 2653-2657.	2.5	176
5	Endoglin controls blood vessel diameter through endothelial cell shape changes in response to haemodynamic cues. Nature Cell Biology, 2017, 19, 653-665.	10.3	174
6	Directing Nanoparticle Biodistribution through Evasion and Exploitation of Stab2-Dependent Nanoparticle Uptake. ACS Nano, 2018, 12, 2138-2150.	14.6	173
7	Arteries are formed by vein-derived endothelial tip cells. Nature Communications, 2014, 5, 5758.	12.8	165
8	Drug Delivery via Cell Membrane Fusion Using Lipopeptide Modified Liposomes. ACS Central Science, 2016, 2, 621-630.	11.3	163
9	Rapid BAC selection for <i>tol2</i>-mediated transgenesis in zebrafish. Development (Cambridge), 2011, 138, 4327-4332.	2.5	160
10	Early Endocardial Morphogenesis Requires Scl/Tal1. PLoS Genetics, 2007, 3, e140.	3.5	144
11	Transcriptome profiling of adult zebrafish at the late stage of chronic tuberculosis due to Mycobacterium marinum infection. Molecular Immunology, 2005, 42, 1185-1203.	2.2	129
12	Role of Delta-like-4/Notch in the Formation and Wiring of the Lymphatic Network in Zebrafish. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1695-1702.	2.4	118
13	Chemokine-Guided Angiogenesis Directs Coronary Vasculature Formation in Zebrafish. Developmental Cell, 2015, 33, 442-454.	7.0	117
14	Mesoporous Silica Nanoparticles with Large Pores for the Encapsulation and Release of Proteins. ACS Applied Materials & Interfaces, 2016, 8, 32211-32219.	8.0	111
15	Rotation and Asymmetric Development of the Zebrafish Heart Requires Directed Migration of Cardiac Progenitor Cells. Developmental Cell, 2008, 14, 287-297.	7.0	109
16	Zebrafish as a preclinical in vivo screening model for nanomedicines. Advanced Drug Delivery Reviews, 2019, 151-152, 152-168.	13.7	107
17	ccm1 cell autonomously regulates endothelial cellular morphogenesis and vascular tubulogenesis in zebrafish. Human Molecular Genetics, 2008, 17, 2424-2432.	2.9	100
18	von Hippel-Lindau tumor suppressor mutants faithfully model pathological hypoxia-driven angiogenesis and vascular retinopathies in zebrafish. DMM Disease Models and Mechanisms, 2010, 3, 343-353.	2.4	94

#	Article	IF	Citations
19	<i>Entpd5</i> is essential for skeletal mineralization and regulates phosphate homeostasis in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 21372-21377.	7.1	91
20	Zebrafish VEGF Receptors: A Guideline to Nomenclature. PLoS Genetics, 2008, 4, e1000064.	3.5	66
21	Anionic Lipid Nanoparticles Preferentially Deliver mRNA to the Hepatic Reticuloendothelial System. Advanced Materials, 2022, 34, e2201095.	21.0	66
22	Chemokineâ€guided cell migration and motility in zebrafish development. EMBO Journal, 2015, 34, 1309-1318.	7.8	63
23	Development of curcumin-loaded zein nanoparticles for transport across the bloodâ€“brain barrier and inhibition of glioblastoma cell growth. Biomaterials Science, 2021, 9, 7092-7103.	5.4	46
24	Sox7 controls arterial specification in conjunction with <i>hey2</i> and <i>efnb2</i> function. Development (Cambridge), 2015, 142, 1695-704.	2.5	45
25	Inhibition of cross-species CXCR4 signaling by the small molecule IT1t impairs triple negative breast cancer early metastases in zebrafish. DMM Disease Models and Mechanisms, 2016, 9, 141-53.	2.4	45
26	Lipid bilayer-coated mesoporous silica nanoparticles carrying bovine hemoglobin towards an erythrocyte mimic. International Journal of Pharmaceutics, 2018, 543, 169-178.	5.2	25
27	Stabilin-1 is required for the endothelial clearance of small anionic nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 34, 102395.	3.3	17
28	Dynamics of dual-fluorescent polymersomes with durable integrity in living cancer cells and zebrafish embryos. Biomaterials, 2018, 168, 54-63.	11.4	15
29	Together is Better: mRNA Coâ€Encapsulation in Lipoplexes is Required to Obtain Ratiometric Coâ€Delivery and Protein Expression on the Single Cell Level. Advanced Science, 2022, 9, e2102072.	11.2	13
30	Meningeal lymphatic endothelial cells fulfill scavenger endothelial cell function and cooperate with microglia in waste removal from the brain. Glia, 2022, 70, 35-49.	4.9	11
31	Regenerating vascular mural cells in zebrafish fin blood vessels are not derived from pre-existing mural cells and differentially require Pdgfrb signalling for their development. Development (Cambridge), 2022, 149, .	2.5	10
32	Stab2-Mediated Clearance of Supramolecular Polymer Nanoparticles in Zebrafish Embryos. Biomacromolecules, 2020, 21, 1060-1068.	5.4	8
33	Zebrafish Embryos as a Predictive Animal Model to Study Nanoparticle Behavior in vivo. Bio-protocol, 2021, 11, e4173.	0.4	7
34	Stabilin 1 and 2 are important regulators for cellular uptake of apolipoprotein B-containing lipoproteins in zebrafish. Atherosclerosis, 2022, 346, 18-25.	0.8	7
35	von Hippel-Lindau tumor suppressor mutants faithfully model pathological hypoxia-driven angiogenesis and vascular retinopathies in zebrafish. Development (Cambridge), 2010, 137, e1106-e1106.	2.5	2
36	Investigating 3R In Vivo Approaches for Bioâ€Distribution and Efficacy Evaluation of Nucleic Acid Nanocarriers: Studies on Peptideâ€Mimicking Ionizable Lipid. Small, 2022, , 2107768.	10.0	1