

Beate Brand-Saberi

List of Publications by Year in descending order

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106
papers

2,447
citations

218677

26
h-index

243625

44
g-index

112
all docs

112
docs citations

112
times ranked

2952
citing authors

#	ARTICLE	IF	CITATIONS
1	Angiogenic potential of the avian somite. <i>Developmental Dynamics</i> , 1995, 202, 165-171.	1.8	164
2	CXCR4 and Gab1 cooperate to control the development of migrating muscle progenitor cells. <i>Genes and Development</i> , 2005, 19, 2187-2198.	5.9	164
3	1 Evolution and Development of Distinct Cell Lineages Derived from Somites. <i>Current Topics in Developmental Biology</i> , 1999, 48, 1-42.	2.2	129
4	Limb muscle development. <i>International Journal of Developmental Biology</i> , 2002, 46, 905-14.	0.6	115
5	Regression of Gastric Cancer by Systemic Injection of RNA Nanoparticles Carrying both Ligand and siRNA. <i>Scientific Reports</i> , 2015, 5, 10726.	3.3	89
6	Trachea. <i>Thoracic Surgery Clinics</i> , 2014, 24, 1-5.	1.0	76
7	N-Cadherin Is Involved in Myoblast Migration and Muscle Differentiation in the Avian Limb Bud. <i>Developmental Biology</i> , 1996, 178, 160-173.	2.0	72
8	Morphological left-right asymmetry of Hensen's node precedes the asymmetric expression of Shh and Fgf8 in the chick embryo. <i>Anatomy and Embryology</i> , 2002, 205, 343-354.	1.5	63
9	The eventful somite: patterning, fate determination and cell division in the somite. <i>Anatomy and Embryology</i> , 2006, 211, 21-30.	1.5	55
10	BMPs induce dermal markers and ectopic feather tracts. <i>Mechanisms of Development</i> , 2002, 110, 51-60.	1.7	51
11	RNAi-induced targeted silencing of developmental control genes during chicken embryogenesis. <i>Developmental Biology</i> , 2005, 285, 80-90.	2.0	51
12	Myogenesis and muscle regeneration. <i>Histochemistry and Cell Biology</i> , 2012, 138, 187-199.	1.7	48
13	Expression of chemokine receptor CXCR4 during chick embryo development. <i>Anatomy and Embryology</i> , 2005, 210, 35-41.	1.5	47
14	Nydus One Syringe Extruder (NOSE): A Prusa i3 3D printer conversion for bioprinting applications utilizing the FRESH-method. <i>HardwareX</i> , 2019, 6, e00069.	2.2	44
15	Increased expression of platelet-derived growth factor receptor alpha and beta and vascular endothelial growth factor in the skin of patients with chronic venous insufficiency. <i>Archives of Dermatological Research</i> , 1998, 290, 291-297.	1.9	43
16	Inhibitors of CXCR4 affect the migration and fate of CXCR4+ progenitors in the developing limb of chick embryos. <i>Developmental Dynamics</i> , 2006, 235, 3007-3015.	1.8	43
17	Stromal-derived factor-1 (SDF-1) expression during early chick development. <i>International Journal of Developmental Biology</i> , 2008, 52, 87-92.	0.6	42
18	Etiopathogenesis of hyperostosis frontalis interna: A mystery still. <i>Annals of Anatomy</i> , 2011, 193, 453-458.	1.9	41

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19	Impact of vegf on astrocytes: Analysis of gap junctional intercellular communication, proliferation, and motility. <i>Glia</i> , 2012, 60, 936-947.	4.9	40
20	Sprouty2 down-regulation promotes axon growth by adult sensory neurons. <i>Molecular and Cellular Neurosciences</i> , 2009, 42, 328-340.	2.2	39
21	Regulation of <i>Epha4</i> expression in paraxial and lateral plate mesoderm by ectoderm-derived signals. <i>Developmental Dynamics</i> , 2001, 220, 377-386.	1.8	35
22	Inflammation and neuronal death in the motor cortex of the wobbler mouse, an ALS animal model. <i>Journal of Neuroinflammation</i> , 2015, 12, 215.	7.2	34
23	Participation of individual brachial somites in skeletal muscles of the avian distal wing. <i>Anatomy and Embryology</i> , 1996, 194, 327-39.	1.5	33
24	Sternalis muscle: an underestimated anterior chest wall anatomical variant. <i>Journal of Cardiothoracic Surgery</i> , 2011, 6, 73.	1.1	33
25	cDermo-1 misexpression induces dense dermis, feathers, and scales. <i>Developmental Biology</i> , 2005, 277, 42-50.	2.0	30
26	Comparative analysis of Neph gene expression in mouse and chicken development. <i>Histochemistry and Cell Biology</i> , 2012, 137, 355-366.	1.7	29
27	Retrograde migration of pectoral girdle muscle precursors depends on CXCR4/SDF-1 signaling. <i>Histochemistry and Cell Biology</i> , 2014, 142, 473-488.	1.7	28
28	BMPs restrict the position of premuscle masses in the limb buds by influencing Tcf4 expression. <i>Developmental Biology</i> , 2006, 299, 330-344.	2.0	27
29	A novel role of CXCR4 and SDF-1 during migration of cloacal muscle precursors. <i>Developmental Dynamics</i> , 2010, 239, 1622-1631.	1.8	26
30	Vestigial-like 2 acts downstream of MyoD activation and is associated with skeletal muscle differentiation in chick myogenesis. <i>Mechanisms of Development</i> , 2010, 127, 120-136.	1.7	25
31	Fast rearrangement of the neuronal growth cone's actin cytoskeleton following VEGF stimulation. <i>Histochemistry and Cell Biology</i> , 2013, 139, 431-445.	1.7	25
32	VEGF-Induced Growth Cone Enhancement Is Diminished by Inhibiting Tyrosine-Residue 1214 of VEGFR-2. <i>Cells Tissues Organs</i> , 2012, 196, 195-205.	2.3	24
33	ATOH8, a regulator of skeletal myogenesis in the hypaxial myotome of the trunk. <i>Histochemistry and Cell Biology</i> , 2014, 141, 289-300.	1.7	24
34	Diversification and Molecular Evolution of ATOH8, a Gene Encoding a bHLH Transcription Factor. <i>PLoS ONE</i> , 2011, 6, e23005.	2.5	24
35	Zinc oxide nanoparticles exposure-induced oxidative stress restricts cranial neural crest development during chicken embryogenesis. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110415.	6.0	23
36	Long-term incubation with mifepristone (MLTI) increases the spine density in developing Purkinje cells: new insights into progesterone receptor mechanisms. <i>Cellular and Molecular Life Sciences</i> , 2014, 71, 1723-1740.	5.4	22

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37	ATOH8: a novel marker in human muscle fiber regeneration. <i>Histochemistry and Cell Biology</i> , 2015, 143, 443-452.	1.7	22
38	Topographic anatomy of the internal laryngeal nerve: Surgical considerations. <i>Head and Neck</i> , 2012, 34, 534-540.	2.0	21
39	Sternalis Muscle. <i>Annals of Plastic Surgery</i> , 2011, 67, 646-648.	0.9	20
40	Sprouty2 and $\beta 4$ regulate axon outgrowth by hippocampal neurons. <i>Hippocampus</i> , 2012, 22, 434-441.	1.9	20
41	GCNBP2 is necessary for testis morphology and sperm development. <i>Scientific Reports</i> , 2017, 7, 2998.	3.3	18
42	Implementation of a manual for working with wobbler mice and criteria for discontinuation of the experiment. <i>Annals of Anatomy</i> , 2015, 200, 118-124.	1.9	17
43	Rapid Impact of Progesterone on the Neuronal Growth Cone. <i>Endocrinology</i> , 2013, 154, 3784-3795.	2.8	16
44	New Aspects of Progesterone Interactions with the Actin Cytoskeleton and Neurosteroidogenesis in the Cerebellum and the Neuronal Growth Cone. <i>Journal of Histochemistry and Cytochemistry</i> , 2014, 62, 835-845.	2.5	16
45	H3 acetylation selectively promotes basal progenitor proliferation and neocortex expansion. <i>Science Advances</i> , 2021, 7, eabc6792.	10.3	16
46	Recruitment of Skeletal Muscle Progenitors to Secondary Sites: A Role for CXCR4/SDF-1 Signalling in Skeletal Muscle Development. <i>Results and Problems in Cell Differentiation</i> , 2015, 56, 1-23.	0.7	16
47	The dermomyotome ventrolateral lip is essential for the hypaxial myotome formation. <i>BMC Developmental Biology</i> , 2013, 13, 37.	2.1	15
48	Spatiotemporal expression of Math6 during mouse embryonic development. <i>Histochemistry and Cell Biology</i> , 2015, 143, 575-582.	1.7	15
49	Development of the shoulder girdle musculature. <i>Developmental Dynamics</i> , 2016, 245, 342-350.	1.8	15
50	Wnt11 Is Required for Oriented Migration of Dermogenic Progenitor Cells from the Dorsomedial Lip of the Avian Dermomyotome. <i>PLoS ONE</i> , 2014, 9, e92679.	2.5	14
51	Induction of Neoplasia After Deep Anterior Lamellar Keratoplasty in a CXL-Treated Cornea. <i>Cornea</i> , 2014, 33, 313-316.	1.7	14
52	Neurogenesis, gliogenesis and the developing chicken optic tectum: an immunohistochemical and ultrastructural analysis. <i>Brain Structure and Function</i> , 2014, 219, 1009-1024.	2.3	14
53	The role of autophagy in morphogenesis and stem cell maintenance. <i>Histochemistry and Cell Biology</i> , 2018, 150, 721-732.	1.7	14
54	CNTF and Nrf2 Are Coordinately Involved in Regulating Self-Renewal and Differentiation of Neural Stem Cell during Embryonic Development. <i>IScience</i> , 2019, 19, 303-315.	4.1	14

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55	Thymosin β 4 induces folding of the developing optic tectum in the chicken (<i>Gallus domesticus</i>). Journal of Comparative Neurology, 2012, 520, 1650-1662.	1.6	13
56	Thymosin β 4 overexpression regulates neuron production and spatial distribution in the developing avian optic tectum. Histochemistry and Cell Biology, 2017, 147, 555-564.	1.7	13
57	Murine transcription factor Math6 is a regulator of placenta development. Scientific Reports, 2018, 8, 14997.	3.3	13
58	Dexamethasone interferes with osteoblasts formation during osteogenesis through altering IGF1-mediated angiogenesis. Journal of Cellular Physiology, 2019, 234, 15167-15181.	4.1	13
59	Dysbacteriosis-induced LPS elevation disturbs the development of muscle progenitor cells by interfering with retinoic acid signaling. FASEB Journal, 2020, 34, 6837-6853.	0.5	13
60	Fibroblast growth factor receptor 1 in skeletal and heart muscle cells: Expression during early avian development and regulation after notochord transplantation. , 1996, 206, 310-317.		12
61	A novel interaction between ATOH8 and PPP3CB. Histochemistry and Cell Biology, 2016, 145, 5-16.	1.7	12
62	CREB, NF-Y and MEIS1 conserved binding sites are essential to balance Myostatin promoter/enhancer activity during early myogenesis. Molecular Biology Reports, 2017, 44, 419-427.	2.3	12
63	Microbiota-derived lipopolysaccharide retards chondrocyte hypertrophy in the growth plate through elevating Sox9 expression. Journal of Cellular Physiology, 2019, 234, 2593-2605.	4.1	12
64	The CXCR4/SDF-1 Axis in the Development of Facial Expression and Non-somitic Neck Muscles. Frontiers in Cell and Developmental Biology, 2020, 8, 615264.	3.7	12
65	Atoh8 acts as a regulator of chondrocyte proliferation and differentiation in endochondral bones. PLoS ONE, 2019, 14, e0218230.	2.5	11
66	SDF-1 controls the muscle and blood vessel formation of the somite. International Journal of Developmental Biology, 2016, 60, 29-38.	0.6	10
67	CXCR4/SDF1 signalling promotes sensory neuron clustering in vitro. Biology Open, 2018, 7, .	1.2	10
68	Histone Deacetylase Inhibitor, Trichostatin A, Affects Gene Expression Patterns during Morphogenesis of Chicken Limb Buds in vivo. Cells Tissues Organs, 2009, 190, 121-134.	2.3	9
69	Cxcr4 and Sdf-1 are critically involved in the formation of facial and non-somitic neck muscles. Scientific Reports, 2020, 10, 5049.	3.3	9
70	How to distinguish between different cell lineages sharing common markers using combinations of double in-situ-hybridization and immunostaining in avian embryos: CXCR4-positive mesodermal and neural crest-derived cells. Histochemistry and Cell Biology, 2021, 155, 145-155.	1.7	9
71	Molecular cloning of chicken Cccr2 and its expression during chicken embryo development. International Journal of Developmental Biology, 2010, 54, 925-929.	0.6	8
72	Combination of in ovo electroporation and time-lapse imaging to study migrational events in chicken embryos. Developmental Dynamics, 2014, 243, 690-698.	1.8	8

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73	bHLH Transcription Factor Math6 Antagonizes TGF- β 2 Signalling in Reprogramming, Pluripotency and Early Cell Fate Decisions. <i>Cells</i> , 2019, 8, 529.	4.1	8
74	Analysis of gelsolin expression pattern in developing chicken embryo reveals high GSN expression level in tissues of neural crest origin. <i>Brain Structure and Function</i> , 2016, 221, 515-534.	2.3	7
75	Atoh8 in Development and Disease. <i>Biology</i> , 2022, 11, 136.	2.8	7
76	Bilateral Supernumerary Sternocleidomastoid Heads with Critical Narrowing of the Minor and Major Supraclavicular Fossae: Clinical and Surgical Implications. <i>International Journal of Morphology</i> , 2012, 30, 927-933.	0.2	6
77	In ovo technique for cell injection in the CPM followed by bead implantation in the BA2 of chicken embryos. <i>MethodsX</i> , 2020, 7, 100792.	1.6	6
78	Nano-sulforaphane attenuates PhIP-induced early abnormal embryonic neuro-development. <i>Annals of Anatomy</i> , 2021, 233, 151617.	1.9	6
79	A thymosin beta15-like peptide promotes intersegmental myotome extension in the chicken embryo. <i>Histochemistry and Cell Biology</i> , 2014, 141, 275-287.	1.7	5
80	atoh8 expression pattern in early zebrafish embryonic development. <i>Histochemistry and Cell Biology</i> , 2021, 156, 209-226.	1.7	5
81	Chicken Second Branchial Arch Progenitor Cells Contribute to Heart Musculature in vitro and in vivo. <i>Cells Tissues Organs</i> , 2020, 209, 165-176.	2.3	5
82	Expression Pattern of Axin2 During Chicken Development. <i>PLoS ONE</i> , 2016, 11, e0163610.	2.5	4
83	Presenting Human Embryology in an International Open-Access Reference Centre (HERC). , 0, , .		4
84	The development of anatomy: from macroscopic body dissections to stem cell-derived organoids. <i>Histochemistry and Cell Biology</i> , 2016, 146, 647-650.	1.7	3
85	Regulation of Cell Delamination During Cortical Neurodevelopment and Implication for Brain Disorders. <i>Frontiers in Neuroscience</i> , 2022, 16, 824802.	2.8	3
86	Qualitative and Quantitative Analysis of Cardiac Progenitor Cells in Cases of Myocarditis and Cardiomyopathy. <i>Frontiers in Genetics</i> , 2018, 9, 72.	2.3	2
87	The Hinrichsen Embryology Collection: Digitization of Historical Histological Human Embryonic Slides and MRI of Whole Fetuses. <i>Cells Tissues Organs</i> , 2019, 207, 1-14.	2.3	2
88	Cell survival controlled by lens-derived Sema3A-Nrp1 is vital on caffeine-suppressed corneal innervation during chick organogenesis. <i>Journal of Cellular Physiology</i> , 2019, 234, 9826-9838.	4.1	2
89	Interaction between retinoic acid and FGF/ERK signals are involved in Dexamethasone-induced abnormal myogenesis during embryonic development. <i>Toxicology</i> , 2021, 461, 152917.	4.2	2
90	The Emergence of Embryonic Myosin Heavy Chain during Branchiomic Muscle Development. <i>Life</i> , 2022, 12, 785.	2.4	2

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91	Exploring the situational motivation of medical students through clinical medicine level test: a cross-sectional study. American Journal of Physiology - Advances in Physiology Education, 2022, 46, 416-425.	1.6	2
92	Correction: The dermomyotome ventrolateral lip is essential for the hypaxial myotome formation. BMC Developmental Biology, 2013, 13, 41.	2.1	1
93	Retinoic Acid Signaling Plays a Crucial Role in Excessive Caffeine Intake-Disturbed Apoptosis and Differentiation of Myogenic Progenitors. Frontiers in Cell and Developmental Biology, 2021, 9, 586767.	3.7	1
94	Morphological Studies of Wobbler Mouse Dorsal Root Ganglia Show Neurofilament Disorders. Journal of Neurology and Experimental Neuroscience, 2017, 03, .	0.1	1
95	Skeletal Muscle Stem Cells. Learning Materials in Biosciences, 2020, , 77-97.	0.4	1
96	Avian Somitogenesis: Translating Time and Space into Pattern. Advances in Experimental Medicine and Biology, 2008, 638, 42-57.	1.6	1
97	Fast rearrangement of the neuronal growth cone's actin cytoskeleton following VEGF stimulation. Annals of Neurosciences, 2013, 20, 115.	1.7	0
98	Morphogenesis of Trunk Muscles. , 2018, , .		0
99	The Perspectives of Medical Students in China to Undergo Short-Term Training Abroad. International Journal of Higher Education, 2018, 7, 203.	0.5	0
100	Real-Time Imaging of Accessible Axon Guidance Assays in Three-Dimensional Culture. Journal of Neurology and Experimental Neuroscience, 0, , .	0.1	0
101	CNTF and Nrf2 are Co-ordinately Involved in Regulating Self-Renewal and Differentiation of Neural Stem Cell During Embryonic Neural Development. SSRN Electronic Journal, 0, , .	0.4	0
102	CNTF and Nrf2 Are Co-Ordinately Involved in Regulating Self-Renewal and Differentiation of Neural Stem Cell During Embryonic Neural Development. SSRN Electronic Journal, 0, , .	0.4	0
103	Atoh8 acts as a regulator of chondrocyte proliferation and differentiation in endochondral bones. , 2019, 14, e0218230.		0
104	Atoh8 acts as a regulator of chondrocyte proliferation and differentiation in endochondral bones. , 2019, 14, e0218230.		0
105	Atoh8 acts as a regulator of chondrocyte proliferation and differentiation in endochondral bones. , 2019, 14, e0218230.		0
106	Atoh8 acts as a regulator of chondrocyte proliferation and differentiation in endochondral bones. , 2019, 14, e0218230.		0