Chunyi Li

List of Publications by Year
in descending order

83 papers	1,965 citations	236833 25 h-index	289141 40 g-index
85 all docs	85 docs citations	85 times ranked	839 citing authors

#	Article	IF	Citations
1	Exosomes from antler stem cells alleviate mesenchymal stem cell senescence and osteoarthritis. Protein and Cell, 2022, 13, 220-226.	4.8	36
2	Deer antler extracts reduce amyloid-beta toxicity in a Caenorhabditis elegans model of Alzheimer's disease. Journal of Ethnopharmacology, 2022, 285, 114850.	2.0	12
3	Cross-species metabolomic analysis identifies uridine as a potent regeneration promoting factor. Cell Discovery, 2022, 8, 6.	3.1	50
4	Tracing the geographic origin of velvet antlers in China <i>via</i> stable isotope analyses. RSC Advances, 2022, 12, 17527-17535.	1.7	0
5	IGF1R and LOX Modules Are Related to Antler Growth Rate Revealed by Integrated Analyses of Genomics and Transcriptomics. Animals, 2022, 12, 1522.	1.0	0
6	Design of a universal primer pair for the identification of deer species. Conservation Genetics Resources, 2021, 13, 9-12.	0.4	0
7	PTNâˆ'PTPRZ signalling is involved in deer antler stem cell regulation during tissue regeneration. Journal of Cellular Physiology, 2021, 236, 3752-3769.	2.0	8
8	Anti-tumour activity of deer growing antlers and its potential applications in the treatment of malignant gliomas. Scientific Reports, 2021, 11, 42.	1.6	23
9	Residual antler periosteum holds the potential to partially regenerate lost antler tissue. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2021, 335, 386-395.	0.9	2
10	Extracellular vesicles derived from umbilical cord mesenchymal stromal cells alleviate pulmonary fibrosis by means of transforming growth factor-Î² signaling inhibition. Stem Cell Research and Therapy, 2021, 12, 230.	2.4	15
11	Substances for regenerative wound healing during antler renewal stimulated scar-less restoration of rat cutaneous wounds. Cell and Tissue Research, 2021, 386, 99-116.	1.5	7
12	The periosteum: a simple tissue with many faces, with special reference to the antler-lineage periostea. Biology Direct, 2021, 16, 17.	1.9	16
13	Velvet Antler Peptides Reduce Scarring via Inhibiting the TGF-Î² Signaling Pathway During Wound Healing. Frontiers in Medicine, 2021, 8, 799789.	1.2	6
14	S100A4: a novel partner for heat shock protein 47 in antler stem cells and insight into the calcium ion-induced conformational changes. Journal of Biomolecular Structure and Dynamics, 2020, 38, 2068-2079.	2.0	2
15	Quantitative proteomics analysis of deer antlerogenic periosteal cells reveals potential bioactive factors in velvet antlers. Journal of Chromatography A, 2020, 1609, 460496.	1.8	14
16	Antler stem cells as a novel stem cell source for reducing liver fibrosis. Cell and Tissue Research, 2020, 379, 195-206.	1.5	14
17	Identification of interactive molecules between antler stem cells and dermal papilla cells using an in vitro co-culture system. Journal of Molecular Histology, 2020, 51, 15-31.	1.0	5
18	Molecular evidence for adaptive evolution of olfactory-related genes in cervids. Genes and Genomics, 2020, 42, 355-360.	0.5	2

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19	Transplanted Antler Stem Cells Stimulated Regenerative Healing of Radiation-induced Cutaneous Wounds in Rats. Cell Transplantation, 2020, 29, 096368972095154.	1.2	16
20	Association analysis of thirtyâ€one single nucleotide polymorphisms with antler weight in sika deer. Animal Genetics, 2020, 51, 990-991.	0.6	1
21	Deer antlers: traditional Chinese medicine use and recent pharmaceuticals. Animal Production Science, 2020, 60, 1233.	0.6	6
22	Chromosome-level genome assembly of Tarim red deer, Cervus elaphus yarkandensis. Scientific Data, 2020, 7, 187.	2.4	10
23	Reclassification of velvet antler portions following transcriptomic analysis. Animal Production Science, 2020, 60, 1364.	0.6	0
24	Effects of macrophage-conditioned medium on sika deer (Cervus nippon) antler stem cells. Animal Production Science, 2020, 60, 1326.	0.6	0
25	Identification of proteins that mediate the role of androgens in antler regeneration using label free proteomics in sika deer (Cervus nippon). General and Comparative Endocrinology, 2019, 283, 113235.	0.8	10
26	Single-cell transcriptome provides novel insights into antler stem cells, a cell type capable of mammalian organ regeneration. Functional and Integrative Genomics, 2019, 19, 555-564.	1.4	8
27	Deer antler stem cells are a novel type of cells that sustain full regeneration of a mammalian organâ€"deer antler. Cell Death and Disease, 2019, 10, 443.	2.7	50
28	Transcriptomic analysis of different tissue layers in antler growth Center in Sika Deer (Cervus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.2	29
29	Quantitative proteomic analysis of deer antler stem cells as a model of mammalian organ regeneration. Journal of Proteomics, 2019, 195, 98-113.	1.2	12
30	Antler stem cell-conditioned medium stimulates regenerative wound healing in rats. Stem Cell Research and Therapy, 2019, 10, 326.	2.4	31
31	Genome-wide analysis of DNA methylation in five tissues of sika deer (Cervus nippon). Gene, 2018, 645, 48-54.	1.0	5
32	Proteomic Analysis of Plasma Membrane Proteins of Antler Stem Cells Using Label-Free LCâ€"MS/MS. International Journal of Molecular Sciences, 2018, 19, 3477.	1.8	11
33	Differential effects of the PI3K AKT pathway on antler stem cells for generation and regeneration of antlers i in vitro i. Frontiers in Bioscience - Landmark, 2018, 23, 1848-1863.	3.0	14
34	Identifying deer antler uhrf1 proliferation and s100a10 mineralization genes using comparative RNA-seq. Stem Cell Research and Therapy, 2018, 9, 292.	2.4	17
35	Development of Diagnostic SNP Markers To Monitor Hybridization Between Sika Deer (Cervus nippon) and Wapiti (Cervus elaphus). G3: Genes, Genomes, Genetics, 2018, 8, 2173-2179.	0.8	5
36	Deer thymosin beta 10 functions as a novel factor for angiogenesis and chondrogenesis during antler growth and regeneration. Stem Cell Research and Therapy, 2018, 9, 166.	2.4	16

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37	Complete mitochondrial genome of the muskrat (Ondatra zibethicus) and its unique phylogenetic position estimated in Cricetidae. Mitochondrial DNA Part B: Resources, 2018, 3, 296-298.	0.2	4
38	Genome-Wide SNP Discovery and Analysis of Genetic Diversity in Farmed Sika Deer (<i>Cervus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70 Genes, Genomes, Genetics, 2017, 7, 3169-3176.	0.8	32
39	Custom-built tools for the study of deer antler biology. Frontiers in Bioscience - Landmark, 2017, 22, 1622-1633.	3.0	5
40	iTRAQ-Based Quantitative Proteomic Analysis of the Potentiated and Dormant Antler Stem Cells. International Journal of Molecular Sciences, 2016, 17, 1778.	1.8	32
41	The regenerating antler blastema the derivative of stem cells resident in a pedicle stump. Frontiers in Bioscience - Landmark, 2016, 21, 455-467.	3.0	28
42	Cloning and Characterization of a<i>Nanog</i>Pseudogene in Sika Deer (<i>Cervus nippon</i>). DNA and Cell Biology, 2016, 35, 576-584.	0.9	7
43	Analysis of Genomewide DNA Methylation Reveals Differences in DNA Methylation Levels between Dormant and Naturally as well as Artificially Potentiated Pedicle Periosteum of Sika Deer (<i>Cervus) Tj ETQq1 1 0.784314 rgBT /Overlo 326, 375-383.	0.6	5
44	MicroRNA profiling of antler stem cells in potentiated and dormant states and their potential roles in antler regeneration. Molecular Genetics and Genomics, 2016, 291, 943-955.	1.0	16
45	An examination of the origin and evolution of additional tandem repeats in the mitochondrial DNA control region of Japanese sika deer (Cervus Nippon). Mitochondrial DNA, 2016, 27, 276-281.	0.6	5
46	Effects of p21 Gene Down-Regulation through RNAi on Antler Stem Cells In Vitro. PLoS ONE, 2015, 10, e0134268.	1.1	7
47	Direct localisation of molecules in tissue sections of growing antler tips using MALDI imaging. Molecular and Cellular Biochemistry, 2015, 409, 225-241.	1.4	10
48	Classification and phylogeny of sika deer (Cervus nippon) subspecies based on the mitochondrial control region DNA sequence using an extended sample set. Mitochondrial DNA, 2015, 26, 373-379.	0.6	10
49	Deer antler â€“ A novel model for studying organ regeneration in mammals. International Journal of Biochemistry and Cell Biology, 2014, 56, 111-122.	1.2	110
50	Morphogenetic Mechanisms in the Cyclic Regeneration of Hair Follicles and Deer Antlers from Stem Cells. BioMed Research International, 2013, 2013, 1-21.	0.9	6
51	Histogenetic aspects of deer antler development. Frontiers in Bioscience - Elite, 2013, E5, 479-489.	0.9	39
52	Lentiviral-Mediated RNAi Knockdown of Cbfa1 Gene Inhibits Endochondral Ossification of Antler Stem Cells in Micromass Culture. PLoS ONE, 2012, 7, e47367.	1.1	15
53	Morphogenetic aspects of deer antler development. Frontiers in Bioscience - Elite, 2012, E4, 1836.	0.9	14
54	Morphogenetic aspects of deer antler development. Frontiers in Bioscience - Elite, 2012, E4, 1836-1842.	0.9	16

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55	Deer antler regeneration: A stem cellâ€based epimorphic process. Birth Defects Research Part C: Embryo Today Reviews, 2012, 96, 51-62.	3.6	62
56	Mapping the morphogenetic potential of antler fields through deleting and transplanting subregions of antlerogenic periosteum in sika deer (<i>Cervus nippon</i>). Journal of Anatomy, 2012, 220, 131-143.	0.9	10
57	Proteomes and Signalling Pathways of Antler Stem Cells. PLoS ONE, 2012, 7, e30026.	1.1	50
58	Stem cells, stem cell niche and antler development. Animal Production Science, 2011, 51, 267.	0.6	10
59	Stem cells responsible for deer antler regeneration are unable to recapitulate the process of first antler developmentâ€"revealed through intradermal and subcutaneous tissue transplantation. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2010, 314B, 552-570.	0.6	10
60	Development of a nude mouse model for the study of antlerogenesisâ€"mechanism of tissue interactions and ossification pathway. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2009, 312B, 118-135.	0.6	16
61	Improbable appendages: Deer antler renewal as a unique case of mammalian regeneration. Seminars in Cell and Developmental Biology, 2009, 20, 535-542.	2.3	85
62	Adult Stem Cells and Mammalian Epimorphic Regeneration-Insights from Studying Annual Renewal of Deer Antlers. Current Stem Cell Research and Therapy, 2009, 4, 237-251.	0.6	86
63	Role of heterotypic tissue interactions in deer pedicle and first antler formationâ€"revealed via a membrane insertion approach. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2008, 310B, 267-277.	0.6	19
64	Red Deer Cloned from Antler Stem Cells and Their Differentiated Progeny1. Biology of Reproduction, 2007, 77, 384-394.	1.2	94
65	Cell Cycle Genes PEDF and CDKN1C in Growing Deer Antlers. Anatomical Record, 2007, 290, 994-1004.	0.8	16
66	Antler regeneration: a dependent process of stem tissue primed via interaction with its enveloping skin. Journal of Experimental Zoology, 2007, 307A, 95-105.	1.2	35
67	Identification of key tissue type for antler regeneration through pedicle periosteum deletion. Cell and Tissue Research, 2007, 328, 65-75.	1.5	55
68	Nerve Growth Factor mRNA Expression in the Regenerating Antler Tip of Red Deer (Cervus elaphus). PLoS ONE, 2007, 2, e148.	1.1	39
69	Vascular localization and proliferation in the growing tip of the deer antler. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 973-981.	2.0	36
70	Histological examination of antler regeneration in red deer (Cervus elaphus). The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2005, 282A, 163-174.	2.0	89
71	Morphological observation of antler regeneration in red deer (Cervus elaphus). Journal of Morphology, 2004, 262, 731-740.	0.6	48
72	Sampling technique to discriminate the different tissue layers of growing antler tips for gene discovery. The Anatomical Record, 2002, 268, 125-130.	2.3	95

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73	Tissue interactions and antlerogenesis: New findings revealed by a xenograft approach. The Journal of Experimental Zoology, 2001, 290, 18-30.	1.4	31
74	Histological studies of pedicle skin formation and its transformation to antler velvet in red deer (Cervus elaphus). The Anatomical Record, 2000, 260, 62-71.	2.3	54
75	Effects of insulin-like growth factor 1 and testosterone on the proliferation of antlerogenic cells in vitro. , 1999, 284, 82-90.		39
76	Electron microscopic studies of antlerogenic cells from five developmental stages during pedicle and early antler formation in red deer (Cervus elaphus). , 1998, 252, 587-599.		23
77	Effects of unilateral cranial sympathectomy either alone or with sensory nerve sectioning on pedicle growth in red deer (Cervus elaphus). The Journal of Experimental Zoology, 1995, 271, 131-138.	1.4	8
78	Pedicle and antler regeneration following antlerogenic tissue removal in red deer(Cervus elaphus). The Journal of Experimental Zoology, 1994, 269, 37-44.	1.4	11
79	Light microscopic studies of pedicle and early first antler development in red deer (Cervus elaphus). The Anatomical Record, 1994, 239, 198-215.	2.3	96
80	Pedicle and antler development following sectioning of the sensory nerves to the antlerogenic region of red deer (Cervus elaphus). The Journal of Experimental Zoology, 1993, 267, 188-197.	1.4	27
81	Antler Stem Cells Sustain Regenerative Wound Healing in Deer and in Rats. Journal of Regenerative Biology and Medicine, 0, , .	0.0	2
82	Cross-Species Analysis Reveals Co-Expressed Genes Regulating Antler Development in Cervidae. Frontiers in Genetics, 0, 13, .	1.1	0
83	Calreticulin Identified as One of the Androgen Response Genes That Trigger Full Regeneration of the Only Capable Mammalian Organ, the Deer Antler. Frontiers in Cell and Developmental Biology, 0, 10, .	1.8	2