

David Gardiner

List of Publications by Year in descending order

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73
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all docs

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docs citations

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times ranked

2635
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|----------|-----------|
| 1 | Identification of Heparan-Sulfate Rich Cells in the Loose Connective Tissues of the Axolotl (<i>Ambystoma mexicanum</i>) with the Potential to Mediate Growth Factor Signaling during Regeneration. <i>Regenerative Engineering and Translational Medicine</i> , 2020, 6, 7-17. | 2.9 | 16 |
| 2 | Regulation of Regeneration by Heparan Sulfate Proteoglycans in the Extracellular Matrix. <i>Regenerative Engineering and Translational Medicine</i> , 2017, 3, 192-198. | 2.9 | 10 |
| 3 | The Axolotl Limb Regeneration Model as a Discovery Tool for Engineering the Stem Cell Niche. <i>Current Stem Cell Reports</i> , 2017, 3, 156-163. | 1.6 | 8 |
| 4 | The role of nerves in the regulation of regeneration. , 2017, , 113-137. | | 0 |
| 5 | The relationship between growth and pattern formation. <i>Regeneration (Oxford, England)</i> , 2016, 3, 103-122. | 6.3 | 26 |
| 6 | Histological image data of limb skeletal tissue from larval and adult <i>Ambystoma mexicanum</i> . <i>Data in Brief</i> , 2016, 8, 1206-1208. | 1.0 | 2 |
| 7 | Cartilage and bone cells do not participate in skeletal regeneration in <i>Ambystoma mexicanum</i> limbs. <i>Developmental Biology</i> , 2016, 416, 26-33. | 2.0 | 53 |
| 8 | Gene expression during the first 28 days of axolotl limb regeneration I: Experimental design and global analysis of gene expression. <i>Regeneration (Oxford, England)</i> , 2015, 2, 120-136. | 6.3 | 72 |
| 9 | Positional information in axolotl and mouse limb extracellular matrix is mediated via heparan sulfate and fibroblast growth factor during limb regeneration in the axolotl (<i>Ambystoma mexicanum</i>). <i>Regeneration (Oxford, England)</i> , 2015, 2, 182-201. | 6.3 | 59 |
| 10 | Positional plasticity in regenerating <i>Ambystoma mexicanum</i> limbs is associated with cell proliferation and pathways of cellular differentiation. <i>BMC Developmental Biology</i> , 2015, 15, 45. | 2.1 | 30 |
| 11 | Regulation of Axolotl (<i>Ambystoma mexicanum</i>) Limb Blastema Cell Proliferation by Nerves and BMP2 in Organotypic Slice Culture. <i>PLoS ONE</i> , 2015, 10, e0123186. | 2.5 | 16 |
| 12 | DNA Methylation Dynamics Regulate the Formation of a Regenerative Wound Epithelium during Axolotl Limb Regeneration. <i>PLoS ONE</i> , 2015, 10, e0134791. | 2.5 | 30 |
| 13 | The axolotl limb blastema: cellular and molecular mechanisms driving blastema formation and limb regeneration in tetrapods. <i>Regeneration (Oxford, England)</i> , 2015, 2, 54-71. | 6.3 | 156 |
| 14 | Understanding positional cues in salamander limb regeneration: implications for optimizing cell-based regenerative therapies. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 593-599. | 2.4 | 37 |
| 15 | Characterization of in vitro transcriptional responses of dorsal root ganglia cultured in the presence and absence of blastema cells from regenerating salamander limbs. <i>Regeneration (Oxford, England)</i> , 2014, 2, 103-114. | 0.784314 | 1 |
| 16 | Position-specific induction of ectopic limbs in non-regenerating blastemas on axolotl forelimbs. <i>Regeneration (Oxford, England)</i> , 2014, 1, 27-34. | 6.3 | 33 |
| 17 | Gain-of-Function Assays in the Axolotl (<i>Ambystoma mexicanum</i>) to Identify Signaling Pathways That Induce and Regulate Limb Regeneration. <i>Methods in Molecular Biology</i> , 2013, 1037, 401-417. | 0.9 | 3 |
| 18 | Positional Information Is Reprogrammed in Blastema Cells of the Regenerating Limb of the Axolotl (<i>Ambystoma mexicanum</i>). <i>PLoS ONE</i> , 2013, 8, e77064. | 2.5 | 66 |

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|----|--|-----|-----------|
| 19 | Gene expression patterns specific to the regenerating limb of the Mexican axolotl. <i>Biology Open</i> , 2012, 1, 937-948. | 1.2 | 84 |
| 20 | Retrotransposon long interspersed nucleotide element (LINE) is activated during salamander limb regeneration. <i>Development Growth and Differentiation</i> , 2012, 54, 673-685. | 1.5 | 33 |
| 21 | Activation of germline-specific genes is required for limb regeneration in the Mexican axolotl. <i>Developmental Biology</i> , 2012, 370, 42-51. | 2.0 | 60 |
| 22 | Regeneration of Limb Joints in the Axolotl (<i>Ambystoma mexicanum</i>). <i>PLoS ONE</i> , 2012, 7, e50615. | 2.5 | 28 |
| 23 | Hypothesis: Terminal transverse limb defects with "œnubbins" represent a regenerative process during limb development in human fetuses. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2012, 94, 129-133. | 1.6 | 13 |
| 24 | Nerve signaling regulates basal keratinocyte proliferation in the blastema apical epithelial cap in the axolotl (<i>Ambystoma mexicanum</i>). <i>Developmental Biology</i> , 2012, 366, 374-381. | 2.0 | 36 |
| 25 | The small RNA complement of salamander limb regeneration. <i>FASEB Journal</i> , 2012, 26, 952.5. | 0.5 | 0 |
| 26 | Large scale gene expression profiling during intestine and body wall regeneration in the sea cucumber <i>Apostichopus japonicus</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2011, 6, 195-205. | 1.0 | 85 |
| 27 | The Axolotl Model for Regeneration and Aging Research: A Mini-Review. <i>Gerontology</i> , 2011, 57, 565-571. | 2.8 | 78 |
| 28 | Dermal fibroblasts contribute to multiple tissues in the accessory limb model. <i>Development Growth and Differentiation</i> , 2010, 52, 343-350. | 1.5 | 27 |
| 29 | <i>Ex vivo</i> generation of a functional and regenerative wound epithelium from axolotl (<i>Ambystoma mexicanum</i>) skin. <i>Development Growth and Differentiation</i> , 2010, 52, 715-724. | 1.5 | 40 |
| 30 | Regulation of proximal-distal intercalation during limb regeneration in the axolotl (<i>Ambystoma</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> | 1.5 | 28 |
| 31 | Neurotrophic regulation of fibroblast dedifferentiation during limb skeletal regeneration in the axolotl (<i>Ambystoma mexicanum</i>). <i>Developmental Biology</i> , 2010, 337, 444-457. | 2.0 | 54 |
| 32 | The Role of Nerve Signaling in Limb Genesis and Agenesis During Axolotl Limb Regeneration. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 90-98. | 3.0 | 18 |
| 33 | Genic regions of a large salamander genome contain long introns and novel genes. <i>BMC Genomics</i> , 2009, 10, 19. | 2.8 | 81 |
| 34 | Microarray and cDNA sequence analysis of transcription during nerve-dependent limb regeneration. <i>BMC Biology</i> , 2009, 7, 1. | 3.8 | 203 |
| 35 | Coherent Movement of Cell Layers during Wound Healing by Image Correlation Spectroscopy. <i>Biophysical Journal</i> , 2009, 97, 2098-2106. | 0.5 | 38 |
| 36 | Regrowing Human Limbs. <i>Scientific American</i> , 2008, 298, 56-63. | 1.0 | 100 |

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|----|--|-----|-----------|
| 37 | Analysis of the expression and function of Wnt α 5a and Wnt α 5b in developing and regenerating axolotl (<i>Ambystoma mexicanum</i>) limbs. <i>Development Growth and Differentiation</i> , 2008, 50, 289-297. | 1.5 | 62 |
| 38 | Regulation of dermal fibroblast dedifferentiation and redifferentiation during wound healing and limb regeneration in the Axolotl. <i>Development Growth and Differentiation</i> , 2008, 50, 743-754. | 1.5 | 53 |
| 39 | Neurotrophic regulation of epidermal dedifferentiation during wound healing and limb regeneration in the axolotl (<i>Ambystoma mexicanum</i>). <i>Developmental Biology</i> , 2008, 319, 321-335. | 2.0 | 119 |
| 40 | Nerve-induced ectopic limb blastemas in the axolotl are equivalent to amputation-induced blastemas. <i>Developmental Biology</i> , 2007, 312, 231-244. | 2.0 | 118 |
| 41 | Homeobox-Containing Genes in Limb Regeneration. , 2007, , 102-110. | | 5 |
| 42 | Ontogenetic Decline of Regenerative Ability and the Stimulation of Human Regeneration. <i>Rejuvenation Research</i> , 2005, 8, 141-153. | 1.8 | 45 |
| 43 | From biomedicine to natural history research: EST resources for ambystomatid salamanders. <i>BMC Genomics</i> , 2004, 5, 54. | 2.8 | 79 |
| 44 | Assessing the toxicity and teratogenicity of pond water in north-central minnesota to amphibians. <i>Environmental Science and Pollution Research</i> , 2004, 11, 233-239. | 5.3 | 36 |
| 45 | A stepwise model system for limb regeneration. <i>Developmental Biology</i> , 2004, 270, 135-145. | 2.0 | 283 |
| 46 | Deformed frogs and environmental retinoids. <i>Pure and Applied Chemistry</i> , 2003, 75, 2263-2273. | 1.9 | 57 |
| 47 | The molecular basis of amphibian limb regeneration: integrating the old with the new. <i>Seminars in Cell and Developmental Biology</i> , 2002, 13, 345-352. | 5.0 | 91 |
| 48 | Vertebrate limb regeneration and the origin of limb stem cells. <i>International Journal of Developmental Biology</i> , 2002, 46, 887-96. | 0.6 | 170 |
| 49 | Expression of Hoxb13 and Hoxc10 in Developing and Regenerating Axolotl Limbs and Tails. <i>Developmental Biology</i> , 2001, 229, 396-406. | 2.0 | 88 |
| 50 | Conserved Vertebrate Chromosome Segments in the Large Salamander Genome. <i>Genetics</i> , 2001, 158, 735-746. | 2.9 | 47 |
| 51 | Vaccinia as a Tool for Functional Analysis in Regenerating Limbs: Ectopic Expression of Shh. <i>Developmental Biology</i> , 2000, 218, 199-205. | 2.0 | 86 |
| 52 | Expression of Mmp-9 and related matrix metalloproteinase genes during axolotl limb regeneration. <i>Developmental Dynamics</i> , 1999, 216, 2-9. | 1.8 | 128 |
| 53 | Sonic Hedgehog (shh) expression in developing and regenerating axolotl limbs. <i>The Journal of Experimental Zoology</i> , 1999, 284, 197-206. | 1.4 | 97 |
| 54 | Environmentally induced limb malformations in mink frogs (<i>Rana septentrionalis</i>). <i>The Journal of Experimental Zoology</i> , 1999, 284, 207-216. | 1.4 | 83 |

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|----|---|------|-----------|
| 55 | Towards a functional analysis of limb regeneration. <i>Seminars in Cell and Developmental Biology</i> , 1999, 10, 385-393. | 5.0 | 46 |
| 56 | Environmentally induced limb malformations in mink frogs (<i>Rana septentrionalis</i>). <i>The Journal of Experimental Zoology</i> , 1999, 284, 207-216. | 1.4 | 15 |
| 57 | Expression of <i>Mmp9</i> and related matrix metalloproteinase genes during axolotl limb regeneration. <i>Developmental Dynamics</i> , 1999, 216, 2-9. | 1.8 | 1 |
| 58 | Expression of <i>Msx-2</i> during development, regeneration, and wound healing in axolotl limbs. , 1998, 282, 715-723. | | 115 |
| 59 | Expression of <i>HoxD</i> Genes in Developing and Regenerating Axolotl Limbs. <i>Developmental Biology</i> , 1998, 200, 225-233. | 2.0 | 108 |
| 60 | Cell Cycle Length Affects Gene Expression and Pattern Formation in Limbs. <i>Developmental Biology</i> , 1997, 189, 13-21. | 2.0 | 44 |
| 61 | Homeobox genes in axolotl lateral line placodes and neuromasts. <i>Development Genes and Evolution</i> , 1997, 207, 287-295. | 0.9 | 28 |
| 62 | Molecular mechanisms in the control of limb regeneration: the role of homeobox genes. <i>International Journal of Developmental Biology</i> , 1996, 40, 797-805. | 0.6 | 64 |
| 63 | Nerve dependency of regeneration: the role of <i>Distal-less</i> and FGF signaling in amphibian limb regeneration. <i>Development (Cambridge)</i> , 1996, 122, 3487-97. | 2.5 | 58 |
| 64 | Regulation of <i>HoxA</i> expression in developing and regenerating axolotl limbs. <i>Development (Cambridge)</i> , 1995, 121, 1731-41. | 2.5 | 42 |
| 65 | Regeneration of <i>HoxD</i> Expression Domains during Pattern Regulation in Chick Wing Buds. <i>Developmental Biology</i> , 1994, 161, 504-512. | 2.0 | 31 |
| 66 | Stability of positional identity of axolotl blastema cells in vitro. <i>Roux's Archives of Developmental Biology</i> , 1993, 202, 170-175. | 1.2 | 9 |
| 67 | Expression of homeobox genes in limb regeneration. <i>Progress in Clinical and Biological Research</i> , 1993, 383A, 31-40. | 0.2 | 1 |
| 68 | Retinoic acid, local cell-cell interactions, and pattern formation in vertebrate limbs. <i>Developmental Biology</i> , 1992, 152, 1-25. | 2.0 | 152 |
| 69 | Mouse limb bud cells respond to retinoic acid in vitro with reduced growth. <i>The Journal of Experimental Zoology</i> , 1992, 263, 406-413. | 1.4 | 4 |
| 70 | Conversion by retinoic acid of anterior cells into ZPA cells in the chick wing bud. <i>Nature</i> , 1991, 350, 81-83. | 27.8 | 225 |
| 71 | Organization of positional information in the axolotl limb. <i>The Journal of Experimental Zoology</i> , 1989, 251, 47-55. | 1.4 | 21 |
| 72 | Limb Development and Regeneration. <i>American Zoologist</i> , 1987, 27, 675-696. | 0.7 | 62 |

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|----|---|-----|-----------|
| 73 | The migration of dermal cells during blastema formation in axolotls. <i>Developmental Biology</i> , 1986, 118, 488-493. | 2.0 | 100 |