Jon Golding

List of Publications by Year in descending order

48 papers	3,205 citations	257429 24 h-index	214788 47 g-index
48 all docs	48 docs citations	48 times ranked	4772 citing authors

#	Article	IF	Citations
1	Muscle satellite cells adopt divergent fates. Journal of Cell Biology, 2004, 166, 347-357.	5.2	779
2	Gold nanoparticles for cancer radiotherapy: a review. Cancer Nanotechnology, 2016, 7, 8.	3.7	329
3	Neural and mammary gland defects in ErbB4 knockout mice genetically rescued from embryonic lethality. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8281-8286.	7.1	227
4	Engineered neural tissue with aligned, differentiated adipose-derived stem cells promotes peripheral nerve regeneration across a critical sized defect in rat sciatic nerve. Biomaterials, 2015, 37, 242-251.	11.4	186
5	Engineered neural tissue for peripheral nerve repair. Biomaterials, 2013, 34, 7335-7343.	11.4	185
6	Defects in pathfinding by cranial neural crest cells in mice lacking the neuregulin receptor ErbB4. Nature Cell Biology, 2000, 2, 103-109.	10.3	162
7	Alignment of Astrocytes Increases Neuronal Growth in Three-Dimensional Collagen Gels and Is Maintained Following Plastic Compression to Form a Spinal Cord Repair Conduit. Tissue Engineering - Part A, 2010, 16, 3173-3184.	3.1	100
8	Effects of Extracellular Matrix Components on Axonal Outgrowth from Peripheral Nerves of Adult Animalsin Vitro. Experimental Neurology, 1997, 146, 81-90.	4.1	98
9	Photodynamic therapy and diagnosis: Principles and comparative aspects. Veterinary Journal, 2018, 233, 8-18.	1.7	93
10	Border Controls at the Mammalian Spinal Cord: Late-Surviving Neural Crest Boundary Cap Cells at Dorsal Root Entry Sites May Regulate Sensory Afferent Ingrowth and Entry Zone Morphogenesis. Molecular and Cellular Neurosciences, 1997, 9, 381-396.	2.2	90
11	A versatile 3D culture model facilitates monitoring of astrocytes undergoing reactive gliosis. Journal of Tissue Engineering and Regenerative Medicine, 2009, 3, 634-646.	2.7	90
12	Homing of stem cells to sites of inflammatory brain injury after intracerebral and intravenous administration: a longitudinal imaging study. Stem Cell Research and Therapy, 2010, 1, 17.	5.5	77
13	Antioxidant Inhibitors Potentiate the Cytotoxicity of Photodynamic Therapy. Photochemistry and Photobiology, 2012, 88, 175-187.	2.5	64
14	Myf5 expression in satellite cells and spindles in adult muscle is controlled by separate genetic elements. Developmental Biology, 2004, 273, 454-465.	2.0	61
15	Skeletal muscle stem cells express anti-apoptotic ErbB receptors during activation from quiescence. Experimental Cell Research, 2007, 313, 341-356.	2.6	60
16	Maturation of the mammalian dorsal root entry zone- from entry to no entry. Trends in Neurosciences, 1997, 20, 303-309.	8.6	54
17	Targeting tumour energy metabolism potentiates the cytotoxicity of 5-aminolevulinic acid photodynamic therapy. British Journal of Cancer, 2013, 109, 976-982.	6.4	44
18	Fully Protected Glycosylated Zinc (II) Phthalocyanine Shows High Uptake and Photodynamic Cytotoxicity in MCFâ€7 Cancer Cells. Photochemistry and Photobiology, 2013, 89, 139-149.	2.5	34

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19	Cues from neuroepithelium and surface ectoderm maintain neural crest-free regions within cranial mesenchyme of the developing chick. Development (Cambridge), 2002, 129, 1095-1105.	2.5	34
20	Behaviour of DRG sensory neurites at the intact and injured adult rat dorsal root entry zone: Postnatal neurites become paralysed, whilst injury improves the growth of embryonic neurites. Glia, 1999, 26, 309-323.	4.9	33
21	Roles of erbB4, rhombomere-specific, and rhombomere-independent cues in maintaining neural crest-free zones in the embryonic head. Developmental Biology, 2004, 266, 361-372.	2.0	33
22	Macrophage response during axonal regeneration in the axolotl central and peripheral nervous system. Neuroscience, 1993, 54, 781-789.	2.3	32
23	Anin VitroModel of the Rat Dorsal Root Entry Zone Reveals Developmental Changes in the Extent of Sensory Axon Growth into the Spinal Cord. Molecular and Cellular Neurosciences, 1996, 7, 191-203.	2.2	29
24	Chondroitin Sulphate-Binding Molecules May Pattern Central Projections of Sensory Axons within the Cranial Mesenchyme of the Developing Mouse. Developmental Biology, 1999, 216, 85-97.	2.0	27
25	Expression of a developmentally regulated, phosphorylated isoform of microtubule-associated protein 1B in sprouting and regenerating axons in vitro. Neuroscience, 1996, 73, 541-551.	2.3	23
26	ErbB4 Signaling During Breast and Neural Development: Novel Genetic Models Reveal Unique ErbB4 Activities. Cell Cycle, 2003, 2, 554-558.	2.6	20
27	Early regeneration in vitro of adult mouse sciatic axons is dependent on local protein synthesis but may not involve neurotrophins. Neuroscience Letters, 1994, 168, 37-40.	2.1	19
28	Engineering an Integrated Cellular Interface in Three-Dimensional Hydrogel Cultures Permits Monitoring of Reciprocal Astrocyte and Neuronal Responses. Tissue Engineering - Part C: Methods, 2012, 18, 526-536.	2.1	19
29	A comparison of the radiosensitisation ability of 22 different element metal oxide nanoparticles using clinical megavoltage X-rays. Cancer Nanotechnology, 2019, 10, .	3.7	19
30	Regulation of PP2A activity by Mid1 controls cranial neural crest speed and gangliogenesis. Mechanisms of Development, 2012, 128, 560-576.	1.7	18
31	Cellular migration and axonal outgrowth from adult mammalian peripheral nervesin vitro. , 1996, 29, 151-164.		17
32	Heparin-binding EGF-like growth factor shows transient leftâ€“right asymmetrical expression in mouse myotome pairs. Gene Expression Patterns, 2004, 5, 3-9.	0.8	17
33	Regeneration and repair of the peripheral nervous system. Seminars in Neuroscience, 1993, 5, 385-390.	2.2	15
34	Mouse myotomes pairs exhibit left-right asymmetric expression ofMLC3Fand Î±-skeletal actin. Developmental Dynamics, 2004, 231, 795-800.	1.8	15
35	A 3D in vitro model reveals differences in the astrocyte response elicited by potential stem cell therapies for CNS injury. Regenerative Medicine, 2013, 8, 739-746.	1.7	15
36	Behaviour of DRG sensory neurites at the intact and injured adult rat dorsal root entry zone: postnatal neurites become paralysed, whilst injury improves the growth of embryonic neurites. Glia, 1999, 26, 309-23.	4.9	14

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37	Glycolysis inhibition improves photodynamic therapy response rates for equine sarcoids. Veterinary and Comparative Oncology, 2017, 15, 1543-1552.	1.8	13
38	Expression of GAP-43 in normal and regenerating nerves in the frog. Neuroscience, 1993, 52, 415-426.	2.3	11
39	Oriented growth of regenerating axons in axolotl forelimbs is consistent with guidance by diffusible factors from distal nerve stumps. Neuroscience, 1995, 66, 201-213.	2.3	9
40	Cues from neuroepithelium and surface ectoderm maintain neural crest-free regions within cranial mesenchyme of the developing chick. Development (Cambridge), 2002, 129, 1095-105.	2.5	8
41	A study of the expression of laminin in the spinal cord of the frog during development and regeneration. Experimental Physiology, 1992, 77, 681-692.	2.0	6
42	Cancer-selective, single agent chemoradiosensitising gold nanoparticles. PLoS ONE, 2017, 12, e0181103.	2.5	5
43	Regeneration in vitro of axolotl peripheral and central axons. Restorative Neurology and Neuroscience, 1990, 1, 267-273.	0.7	4
44	Galactose:PEGamine coated gold nanoparticles adhere to filopodia and cause extrinsic apoptosis. Nanoscale Advances, 2019, 1, 807-816.	4.6	4
45	The Long Non-Coding RNA H19 Drives the Proliferation of Diffuse Intrinsic Pontine Glioma with H3K27 Mutation. International Journal of Molecular Sciences, 2021, 22, 9165.	4.1	4
46	Effects of freezing a segment of peripheral nerve on subsequent protein release and axonal regeneration in the frog. Experimental Neurology, 1992, 118, 178-186.	4.1	3
47	Protein Synthesis and Release by Normal and Lesioned Axolotl Peripheral Nerves. Experimental Neurology, 1995, 134, 94-101.	4.1	3
48	A Two-Dimensional Gel Electrophoretic Study of Proteins Synthesized and Released by Degenerating Adult Mouse Sciatic Nerve. Experimental Neurology, 2000, 162, 194-200.	4.1	3