Andras Simon

List of Publications by Year
in descending order

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53	2,819	236612	182168
papers	citations	25 h-index	51 g-index

62	62	62	2835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fundamental Differences in Dedifferentiation and Stem Cell Recruitment during Skeletal Muscle Regeneration in Two Salamander Species. Cell Stem Cell, 2014, 14, 174-187.	5.2	271
2	Mutations in the gene encoding 11-cis retinol dehydrogenase cause delayed dark adaptation and fundus albipunctatus. Nature Genetics, 1999, 22, 188-191.	9.4	255
3	Salamander limb regeneration involves the activation of a multipotent skeletal muscle satellite cell population. Journal of Cell Biology, 2006, 172, 433-440.	2.3	231
4	The Retinal Pigment Epithelial-specific 11-cis Retinol Dehydrogenase Belongs to the Family of Short Chain Alcohol Dehydrogenases. Journal of Biological Chemistry, 1995, 270, 1107-1112.	1.6	229
5	Neurotransmitter-mediated control of neurogenesis in the adult vertebrate brain. Development (Cambridge), 2013, 140, 2548-2561.	1.2	198
6	Reading and editing the Pleurodeles waltl genome reveals novel features of tetrapod regeneration. Nature Communications, 2017, 8, 2286.	5.8	123
7	Model systems for regeneration: salamanders. Development (Cambridge), 2019, 146, .	1.2	110
8	Midbrain dopaminergic neurogenesis and behavioural recovery in a salamander lesion-induced regeneration model. Development (Cambridge), 2007, 134, 2881-2887.	1.2	99
9	Limb regeneration. Wiley Interdisciplinary Reviews: Developmental Biology, 2013, 2, 291-300.	5.9	94
10	Efficient regeneration by activation of neurogenesis in homeostatically quiescent regions of the adult vertebrate brain. Development (Cambridge), 2010, 137, 4127-4134.	1.2	90
11	MARCKS-like protein is an initiating molecule in axolotl appendage regeneration. Nature, 2016, 531, 237-240.	13.7	83
12	Dopamine Controls Neurogenesis in the Adult Salamander Midbrain in Homeostasis and during Regeneration of Dopamine Neurons. Cell Stem Cell, 2011, 8, 426-433.	5.2	76
13	Primary Structure of Human 11-cisRetinol Dehydrogenase and Organization and Chromosomal Localization of the Corresponding Gene. Genomics, 1996, 36, 424-430.	1.3	67
14	Mammalian postmitotic nuclei reenter the cell cycle after serum stimulation in newt/mouse hybrid myotubes. Current Biology, 2001, 11, 855-858.	1.8	63
15	Walking with Salamanders: From Molecules to Biorobotics. Trends in Neurosciences, 2020, 43, 916-930.	4.2	54
16	Environmental changes in oxygen tension reveal ROS-dependent neurogenesis and regeneration in the adult newt brain. ELife, 2015, 4, .	2.8	53
17	Plasticity and recovery of skeletal muscle satellite cells during limb regeneration. FASEB Journal, 2010, 24, 750-756.	0.2	51
18	A reference transcriptome and inferred proteome for the salamander Notophthalmus viridescens. Experimental Cell Research, 2013, 319, 1187-1197.	1.2	49

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19	Progenitor Cell Dynamics in the Newt Telencephalon during Homeostasis and Neuronal Regeneration. Stem Cell Reports, 2014, 2, 507-519.	2.3	45
20	Homeostatic and regenerative neurogenesis in salamanders. Progress in Neurobiology, 2018, 170, 81-98.	2.8	44
21	Turning terminally differentiated skeletal muscle cells into regenerative progenitors. Nature Communications, 2015, 6, 7916.	5.8	41
22	A critical role for thrombin in vertebrate lens regeneration. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 765-776.	1.8	40
23	Serum Proteases Potentiate BMP-Induced Cell Cycle Re-entry of Dedifferentiating Muscle Cells during Newt Limb Regeneration. Developmental Cell, 2017, 40, 608-617.e6.	3.1	33
24	Dopamine Receptor Antagonists Enhance Proliferation and Neurogenesis of Midbrain Lmx1a-expressing Progenitors. Scientific Reports, 2016, 6, 26448.	1.6	29
25	Husbandry of Spanish Ribbed Newts (Pleurodeles waltl). Methods in Molecular Biology, 2015, 1290, 47-70.	0.4	29
26	Secondary ossification center induces and protects growth plate structure. ELife, 2020, 9, .	2.8	29
27	Thrombin Activation of S-Phase Reentry by Cultured Pigmented Epithelial Cells of Adult Newt Iris. Experimental Cell Research, 2002, 281, 101-106.	1.2	24
28	Skeletal muscle dedifferentiation during salamander limb regeneration. Current Opinion in Genetics and Development, 2016, 40, 108-112.	1.5	24
29	Cellular basis of brain maturation and acquisition of complex behaviors in salamanders. Development (Cambridge), 2018, 145, .	1.2	23
30	Microglia activation during neuroregeneration in the adult vertebrate brain. Neuroscience Letters, 2011, 497, 11-16.	1.0	22
31	A chemical screen identifies trifluoperazine as an inhibitor of glioblastoma growth. Biochemical and Biophysical Research Communications, 2017, 494, 477-483.	1.0	22
32	Locomotion dependent neuron-glia interactions control neurogenesis and regeneration in the adult zebrafish spinal cord. Nature Communications, 2021, 12, 4857.	5.8	22
33	Myogenic skeletal muscle satellite cells communicate by tunnelling nanotubes. Journal of Cellular Physiology, 2010, 223, 376-383.	2.0	21
34	Plasticity of Mammalian Myotubes Upon Stimulation with a Thrombin-activated Serum Factor. Cell Cycle, 2007, 6, 1096-1101.	1.3	20
35	Sublethal Caspase Activation Promotes Generation of Cardiomyocytes from Embryonic Stem Cells. PLoS ONE, 2015, 10, e0120176.	1.1	19
36	Not lost in translation. Seminars in Cell and Developmental Biology, 2009, 20, 691-696.	2.3	16

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37	From Stem Cell to Progenitor and Back Again. Cell, 2007, 128, 825-826.	13.5	15
38	Molecular and Cellular Basis of Regeneration and Tissue Repair. Cellular and Molecular Life Sciences, 2008, 65, 3-7.	2.4	15
39	Nerve-associated Schwann cell precursors contribute extracutaneous melanocytes to the heart, inner ear, supraorbital locations and brain meninges. Cellular and Molecular Life Sciences, 2021, 78, 6033-6049.	2.4	13
40	Epicardium-derived cells organize through tight junctions to replenish cardiac muscle in salamanders. Nature Cell Biology, 2022, 24, 645-658.	4.6	12
41	CUBIC-f: An optimized clearing method for cell tracing and evaluation of neurite density in the salamander brain. Journal of Neuroscience Methods, 2021, 348, 109002.	1.3	8
42	Targeted gene delivery to differentiated skeletal muscle: A tool to study dedifferentiation. Developmental Dynamics, 2007, 236, 481-488.	0.8	7
43	A quantitative analysis of 3D-cell distribution in regenerative muscle-skeletal system with synchrotron X-ray computed microtomography. Scientific Reports, 2018, 8, 14145.	1.6	7
44	Tig1 regulates proximo-distal identity during salamander limb regeneration. Nature Communications, 2022, 13, 1141.	5.8	7
45	Reprint of: A chemical screen identifies trifluoperazine as an inhibitor of glioblastoma growth. Biochemical and Biophysical Research Communications, 2018, 499, 136-142.	1.0	5
46	[22] Analyzing membrane topology of 11-cis-retinol dehydrogenase. Methods in Enzymology, 2000, 316, 344-358.	0.4	4
47	On with their heads. Nature, 2013, 500, 32-33.	13.7	4
48	Standardized gene and genetic nomenclature for the newt Pleurodeles waltl. Developmental Dynamics, 2021, , .	0.8	4
49	Isolation and Culture of Neurospheres from the Adult Newt Brain. Methods in Molecular Biology, 2015, 1290, 197-204.	0.4	4
50	Efficient regeneration by activation of neurogenesis in homeostatically quiescent regions of the adult vertebrate brain. Development (Cambridge), 2011, 138, 180-180.	1.2	2
51	Thrombin Activation of S-Phase Reentry by Cultured Pigmented Epithelial Cells of Adult Newt Iris. Experimental Cell Research, 2002, 281, 101-101.	1.2	1
52	Dr. Panagiotis (Takis) Tsonis: A man for all seasons. Developmental Biology, 2018, 433, 115-117.	0.9	1
53	Changing master regulator without reprogramming. Experimental Cell Research, 2018, 370, 189.	1.2	0