Ben G Szaro

List of Publications by Year
in descending order

47 papers	1,129 citations	331538 21 h-index	395590 33 g-index
47 all docs	47 docs citations	47 times ranked	907 citing authors

#	Article	IF	Citations
1	Post-transcriptional control of neurofilaments: New roles in development, regeneration and neurodegenerative disease. Trends in Neurosciences, 2010, 33, 27-37.	4.2	84
2	Spatial and temporal expression of phosphorylated and non-phosphorylated forms of neurofilament proteins in the developing nervous system of Xenopus laevis. Developmental Brain Research, 1989, 48, 87-103.	2.1	72
3	Loss of Neurofilaments Alters Axonal Growth Dynamics. Journal of Neuroscience, 2001, 21, 9655-9666.	1.7	59
4	Immunocytochemical identification of non-neuronal intermediate filament proteins in the developing Xenopus laevis nervous system. Developmental Brain Research, 1988, 43, 207-224.	2.1	57
5	Metamorphosis and the regenerative capacity of spinal cord axons in Xenopus laevis. European Journal of Neuroscience, 2011, 33, 9-25.	1.2	57
6	A crucial role for hnRNP K in axon development in<i>Xenopus laevis</i>. Development (Cambridge), 2008, 135, 3125-3135.	1.2	49
7	hnRNP K post-transcriptionally co-regulates multiple cytoskeletal genes needed for axonogenesis. Development (Cambridge), 2011, 138, 3079-3090.	1.2	49
8	Xenopus laevis peripherin (XIF3) is expressed in radial glia and proliferating neural epithelial cells as well as in neurons. Journal of Comparative Neurology, 2000, 423, 512-531.	0.9	42
9	Heterogeneous Nuclear Ribonucleoprotein K, an RNA-Binding Protein, Is Required for Optic Axon Regeneration in<i>Xenopus laevis</i>. Journal of Neuroscience, 2012, 32, 3563-3574.	1.7	40
10	Inhibition of axonal development after injection of neurofilament antibodies into aXenopus laevis embryo. Journal of Comparative Neurology, 1991, 308, 576-585.	0.9	38
11	The return of phosphorylated and nonphosphorylated epitopes of neurofilament proteins to the regenerating optic nerve ofXenopus laevis. Journal of Comparative Neurology, 1994, 343, 158-172.	0.9	38
12	Phylogenetically Conserved Binding of Specific K Homology Domain Proteins to the 3â€²-Untranslated Region of the Vertebrate Middle Neurofilament mRNA. Journal of Biological Chemistry, 2004, 279, 49680-49688.	1.6	37
13	Post-transcriptional control of neurofilaments in development and disease. Experimental Cell Research, 2007, 313, 2088-2097.	1.2	37
14	Identities, antigenic determinants, and topographic distributions of neurofilament proteins in the nervous systems of adult frogs and tadpoles ofXenopus laevis. Journal of Comparative Neurology, 1988, 273, 344-358.	0.9	36
15	Effect of tetraploidy on dendritic branching in neurons and glial cells of the frog,Xenopus laevis. Journal of Comparative Neurology, 1987, 258, 304-316.	0.9	33
16	Differential expression and localization of neuronal intermediate filament proteins within newly developing neurites in dissociated cultures ofXenopus laevis embryonic spinal cord. Cytoskeleton, 2001, 49, 16-32.	4.4	33
17	Increased expression of multiple neurofilament mRNAs during regeneration of vertebrate central nervous system axons. Journal of Comparative Neurology, 2003, 461, 262-275.	0.9	31
18	c-Jun N-Terminal Kinase Phosphorylation of Heterogeneous Nuclear Ribonucleoprotein K Regulates Vertebrate Axon Outgrowth via a Posttranscriptional Mechanism. Journal of Neuroscience, 2013, 33, 14666-14680.	1.7	31

#	Article	IF	Citations
19	Xefiltin, a new low molecular weight neuronal intermediate filament protein ofXenopus laevis, shares sequence features with goldfish gefiltin and mammalian ?-internexin and differs in expression from XNIF and NF-L. Journal of Comparative Neurology, 1997, 377, 351-364.	0.9	27
20	Xefiltin, aXenopus laevis neuronal intermediate filament protein, is expressed in actively growing optic axons during development and regeneration. Journal of Neurobiology, 1997, 33, 811-824.	3.7	27
21	Dynamic endogenous association of neurofilament mRNAs with K-homology domain ribonucleoproteins in developing cerebral cortex. Brain Research, 2008, 1189, 33-42.	1.1	26
22	Regeneration of descending projections in Xenopus laevis tadpole spinal cord demonstrated by retrograde double labeling. Brain Research, 2006, 1088, 68-72.	1.1	21
23	Effects of Intermediate Filament Disruption on the Early Development of the Peripheral Nervous System ofXenopus laevis. Developmental Biology, 1996, 179, 197-211.	0.9	19
24	A living cell-based biosensor utilizing G-protein coupled receptors: Principles and detection methods. Biosensors and Bioelectronics, 2007, 22, 3230-3237.	5.3	19
25	Maturation of neurites in mixed cultures of spinal cord neurons and muscle cells fromXenopus laevis embryos followed with antibodies to neurofilament proteins. Journal of Neurobiology, 1994, 25, 1235-1248.	3.7	18
26	Sequence and expression patterns of two forms of the middle molecular weight neurofilament protein (NF-M) of Xenopus laevis. Molecular Brain Research, 1997, 48, 229-242.	2.5	17
27	Regulation in the neural plate ofXenopus laevis demonstrated by genetic markers. The Journal of Experimental Zoology, 1985, 234, 117-129.	1.4	14
28	Transcriptional and translational dynamics of light neurofilament subunit RNAs during Xenopus laevis optic nerve regeneration. Brain Research, 2009, 1250, 27-40.	1.1	13
29	Structure, biological activity of the upstream regulatory sequence, and conserved domains of a middle molecular mass neurofilament gene of Xenopus laevis. Molecular Brain Research, 2000, 82, 35-51.	2.5	12
30	Comparative gene expression profiling between optic nerve and spinal cord injury in Xenopus laevis reveals a core set of genes inherent in successful regeneration of vertebrate central nervous system axons. BMC Genomics, 2020, 21, 540.	1.2	11
31	Neurofilament content is correlated with branch length in developing collateral branches of Xenopus spinal cord neurons. Neuroscience Letters, 2006, 403, 283-287.	1.0	9
32	Performing Functional Studies of Xenopus laevis Intermediate Filament Proteins Through Injection of Macromolecules into Early Embryos. Methods in Cell Biology, 2004, 78, 673-701.	0.5	8
33	Phosphorylation of heterogeneous nuclear ribonucleoprotein K at an extracellular signal-regulated kinase phosphorylation site promotes neurofilament-medium protein expression and axon outgrowth in Xenopus. Neuroscience Letters, 2015, 607, 59-65.	1.0	8
34	Developmental and Injury-induced Changes in DNA Methylation in Regenerative versus Non-regenerative Regions of the Vertebrate Central Nervous System. BMC Genomics, 2022, 23, 2.	1.2	8
35	A novel role for the nuclear localization signal in regulating hnRNP K protein stability inÂvivo. Biochemical and Biophysical Research Communications, 2016, 478, 772-776.	1.0	7
36	Axonal transport of [35S]Methionine labeled proteins in Xenopus optic nerve: Phases of transport and the effects of nerve crush on protein patterns. Brain Research, 1984, 297, 337-355.	1.1	6

#	Article	IF	Citations
37	Chapter 9 Changes in Axonal Transport and Glial Proteins during Optic Nerve Regeneration in Xenopus laevis. Current Topics in Developmental Biology, 1987, 21, 217-254.	1.0	6
38	Microtubuleâ€associated protein tau promotes neuronal class <scp>II</scp> Î²â€tubulin microtubule formation and axon elongation in embryonic <i><scp>X</scp>enopus laevis</i>. European Journal of Neuroscience, 2015, 41, 1263-1275.	1.2	6
39	A method for using direct injection of plasmid DNA to study cis-regulatory element activity in F0 Xenopus embryos and tadpoles. Developmental Biology, 2015, 398, 11-23.	0.9	6
40	Regulation of Cytoskeletal Composition in Neurons: Transcriptional and Post-transcriptional Control in Development, Regeneration, and Disease. Advances in Neurobiology, 2011, , 559-602.	1.3	4
41	Tracing Central Nervous System Axon Regeneration in Xenopus. Cold Spring Harbor Protocols, 2018, 2018, pdb.prot101030.	0.2	3
42	Comparisons of SOCS mRNA and protein levels in Xenopus provide insights into optic nerve regenerative success. Brain Research, 2019, 1704, 150-160.	1.1	3
43	Using Xenopus Embryos to Study Transcriptional and Posttranscriptional Gene Regulatory Mechanisms of Intermediate Filaments. Methods in Enzymology, 2016, 568, 635-660.	0.4	3
44	Study of cell secretion using MEMS-based arrays. , 2004, , .		2
45	Microfabricated devices for bio-applications. , 2005, , .		2
46	Post-transcriptional regulation mediated by specific neurofilament introns in vivo. Journal of Cell Science, 2016, 129, 1500-11.	1.2	1
47	Neurophysiological and Behavioral Analysis in Xenopus. Cold Spring Harbor Protocols, 2021, 2021, pdb.top106849.	0.2	0