MÃ³nica M. Sousa

List of Publications by Year
in descending order

76	4,121	87723	118652
papers	citations	38 h-index	62 g-index

78	78	78	5003
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deposition of Transthyretin in Early Stages of Familial Amyloidotic Polyneuropathy. American Journal of Pathology, 2001, 159, 1993-2000.	1.9	303
2	Central role of RAGE-dependent neointimal expansion in arterial restenosis. Journal of Clinical Investigation, 2003, 111, 959-972.	3.9	287
3	Familial Amyloid Polyneuropathy: Receptor for Advanced Glycation End Products-Dependent Triggering of Neuronal Inflammatory and Apoptotic Pathways. Journal of Neuroscience, 2001, 21, 7576-7586.	1.7	190
4	Interaction of the Receptor for Advanced Glycation End Products (RAGE) with Transthyretin Triggers Nuclear Transcription Factor kB (NF-kB) Activation. Laboratory Investigation, 2000, 80, 1101-1110.	1.7	156
5	Cell intrinsic control of axon regeneration. EMBO Reports, 2014, 15, 254-263.	2.0	135
6	Transthyretin enhances nerve regeneration. Journal of Neurochemistry, 2007, 103, 831-839.	2.1	118
7	Transthyretin Internalization by Sensory Neurons Is Megalin Mediated and Necessary for Its Neuritogenic Activity. Journal of Neuroscience, 2009, 29, 3220-3232.	1.7	118
8	Neurodegeneration in familial amyloid polyneuropathy: from pathology to molecular signaling. Progress in Neurobiology, 2003, 71, 385-400.	2.8	116
9	Evidence for the Role of Megalin in Renal Uptake of Transthyretin. Journal of Biological Chemistry, 2000, 275, 38176-38181.	1.6	109
10	Peripheral nervous system plasmalogens regulate Schwann cell differentiation and myelination. Journal of Clinical Investigation, 2014, 124, 2560-2570.	3.9	103
11	The Transfer of Retinol from Serum Retinol-binding Protein to Cellular Retinol-binding Protein Is Mediated by a Membrane Receptor. Journal of Biological Chemistry, 1998, 273, 3336-3342.	1.6	99
12	Evidence for Early Cytotoxic Aggregates in Transgenic Mice for Human Transthyretin Leu55Pro. American Journal of Pathology, 2002, 161, 1935-1948.	1.9	98
13	The Actin-Binding Protein Î±-Adducin Is Required for Maintaining Axon Diameter. Cell Reports, 2016, 15, 490-498.	2.9	95
14	Apolipoprotein AI and Transthyretin as Components of Amyloid Fibrils in a Kindred with apoAI Leu178His Amyloidosis. American Journal of Pathology, 2000, 156, 1911-1917.	1.9	94
15	The cytoskeleton as a novel therapeutic target for old neurodegenerative disorders. Progress in Neurobiology, 2016, 141, 61-82.	2.8	92
16	The intriguing nature of dorsal root ganglion neurons: Linking structure with polarity and function. Progress in Neurobiology, 2018, 168, 86-103.	2.8	88
17	Transthyretin, a New Cryptic Protease. Journal of Biological Chemistry, 2004, 279, 21431-21438.	1.6	76
18	NPY revealed as a critical modulator of osteoblast function in vitro: New insights into the role of Y1 and Y2 receptors. Journal of Cellular Biochemistry, 2009, 107, 908-916.	1.2	75

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19	Transthyretin in high density lipoproteins: association with apolipoprotein A-I. Journal of Lipid Research, 2000, 41, 58-65.	2.0	75
20	Neuronal deletion of GSK3Î² increases microtubule speed in the growth cone and enhances axon regeneration via CRMP-2 and independently of MAP1B and CLASP2. BMC Biology, 2014, 12, 47.	1.7	72
21	CNS Axons Globally Increase Axonal Transport after Peripheral Conditioning. Journal of Neuroscience, 2014, 34, 5965-5970.	1.7	70
22	Upâ€•regulation of the extracellular matrix remodeling genes, biglycan, neutrophil gelatinaseâ€•associated lipocalin and matrix metalloproteinaseâ€•9 in familial amyloid polyneuropathy. FASEB Journal, 2005, 19, 124-126.	0.2	67
23	Transthyretin: More than meets the eye. Progress in Neurobiology, 2009, 89, 266-276.	2.8	66
24	Deposition and passage of transthyretin through the blood-nerve barrier in recipients of familial amyloid polyneuropathy livers. Laboratory Investigation, 2004, 84, 865-873.	1.7	64
25	ApoA-I cleaved by transthyretin has reduced ability to promote cholesterol efflux and increased amyloidogenicity. Journal of Lipid Research, 2007, 48, 2385-2395.	2.0	64
26	Regenerative medicine for the treatment of spinal cord injury: more than just promises?. Journal of Cellular and Molecular Medicine, 2012, 16, 2564-2582.	1.6	64
27	Transthyretin knockouts are a new mouse model for increased neuropeptide Y. FASEB Journal, 2006, 20, 166-168.	0.2	62
28	Internalization of Transthyretin. Journal of Biological Chemistry, 2001, 276, 14420-14425.	1.6	61
29	Early axonal loss accompanied by impaired endocytosis, abnormal axonal transport, and decreased microtubule stability occur in the model of Krabbe's disease. Neurobiology of Disease, 2014, 66, 92-103.	2.1	55
30	The membrane periodic skeleton is an actomyosin network that regulates axonal diameter and conduction. ELife, 2020, 9, .	2.8	53
31	Activation of ERK1/2 MAP kinases in Familial Amyloidotic Polyneuropathy. Journal of Neurochemistry, 2006, 97, 151-161.	2.1	52
32	The Regulation of Axon Diameter: From Axonal Circumferential Contractility to Activity-Dependent Axon Swelling. Frontiers in Molecular Neuroscience, 2018, 11, 319.	1.4	48
33	Neuropeptide Y and osteoblast differentiation â€“ the balance between the neuroâ€•osteogenic network and local control. FEBS Journal, 2010, 277, 3664-3674.	2.2	47
34	Transthyretin neuroprotection in Alzheimer's disease is dependent on proteolysis. Neurobiology of Aging, 2017, 59, 10-14.	1.5	46
35	Substrate specificity of transthyretin: identification of natural substrates in the nervous system. Biochemical Journal, 2009, 419, 467-474.	1.7	45
36	Neurophysiological, behavioral and morphological abnormalities in the Fabry knockout mice. Neurobiology of Disease, 2009, 33, 48-56.	2.1	43

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37	Aboard transthyretin: From transport to cleavage. IUBMB Life, 2010, 62, 429-435.	1.5	42
38	Transthyretin is a metallopeptidase with an inducible active site. Biochemical Journal, 2012, 443, 769-778.	1.7	40
39	Axonal elongation and dendritic branching is enhanced by adenosine A2A receptors activation in cerebral cortical neurons. Brain Structure and Function, 2016, 221, 2777-2799.	1.2	39
40	The Role of Brain-Derived Neurotrophic Factor (BDNF) in the Development of Neurogenic Detrusor Overactivity (NDO). Journal of Neuroscience, 2015, 35, 2146-2160.	1.7	38
41	Neuropeptideâ€ƒY expression and function during osteoblast differentiation â€“ insights from transthyretin knockout mice. FEBS Journal, 2010, 277, 263-275.	2.2	35
42	Profilin 1 delivery tunes cytoskeletal dynamics toward CNS axon regeneration. Journal of Clinical Investigation, 2020, 130, 2024-2040.	3.9	30
43	The Dyslexia-susceptibility Protein KIAA0319 Inhibits Axon Growth Through Smad2 Signaling. Cerebral Cortex, 2017, 27, 1732-1747.	1.6	29
44	Profilin as a dual regulator of actin and microtubule dynamics. Cytoskeleton, 2020, 77, 76-83.	1.0	29
45	Rewired glycosylation activity promotes scarless regeneration and functional recovery in spiny mice after complete spinal cord transection. Developmental Cell, 2022, 57, 440-450.e7.	3.1	26
46	In vitro inhibition of transthyretin aggregate-induced cytotoxicity by full and peptide derived forms of the soluble receptor for advanced glycation end products (RAGE). FEBS Letters, 2006, 580, 3451-3456.	1.3	24
47	Systemic Delivery of Bone Marrow-Derived Mesenchymal Stromal Cells Diminishes Neuropathology in a Mouse Model of Krabbe's Disease. Stem Cells, 2011, 29, 1738-1751.	1.4	24
48	Myelin Lipids Inhibit Axon Regeneration Following Spinal Cord Injury: a Novel Perspective for Therapy. Molecular Neurobiology, 2016, 53, 1052-1064.	1.9	23
49	Inhibitory Injury Signaling Represses Axon Regeneration After Dorsal Root Injury. Molecular Neurobiology, 2016, 53, 4596-4605.	1.9	23
50	The neuronal and actin commitment: Why do neurons need rings?. Cytoskeleton, 2016, 73, 424-434.	1.0	22
51	Fibrin functionalization with synthetic adhesive ligands interacting with Î±6Î²1 integrin receptor enhance neurite outgrowth of embryonic stem cell-derived neural stem/progenitors. Acta Biomaterialia, 2017, 59, 243-256.	4.1	20
52	Increase in Ghrelin Levels After Weight Loss in Obese Zucker Rats is Prevented by Gastric Banding. Obesity Surgery, 2007, 17, 1599-1607.	1.1	19
53	Advances and Pitfalls of Cell Therapy in Metabolic Leukodystrophies. Cell Transplantation, 2013, 22, 189-204.	1.2	17
54	<scp>N</scp>euronal <scp>I</scp>ntrinsic <scp>R</scp>egenerative <scp>C</scp>apacity: <scp>T</scp>he <scp>I</scp>mpact of <scp>M</scp>icrotubule <scp>O</scp>rganization and <scp>A</scp>xonal <scp>T</scp>ransport. Developmental Neurobiology, 2018, 78, 952-959.	1.5	17

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55	Non-Muscle Myosin II in Axonal Cell Biology: From the Growth Cone to the Axon Initial Segment. Cells, 2020, 9, 1961.	1.8	17
56	Deciphering cryptic proteases. Cellular and Molecular Life Sciences, 2005, 62, 989-1002.	2.4	16
57	Chapter 17 Transthyretin. International Review of Neurobiology, 2009, 87, 337-346.	0.9	16
58	Microtubules, actin and cytolinkers: how to connect cytoskeletons in the neuronal growth cone. Neuroscience Letters, 2021, 747, 135693.	1.0	16
59	Actin dynamics in the growth cone: a key player in axon regeneration. Current Opinion in Neurobiology, 2021, 69, 11-18.	2.0	16
60	Transthyretin is not expressed by dorsal root ganglia cells. Experimental Neurology, 2008, 214, 362-365.	2.0	15
61	Familial Amyloidotic Polyneuropathy: Protein Aggregation in the Peripheral Nervous System. Journal of Molecular Neuroscience, 2004, 23, 035-040.	1.1	14
62	Hydrogel-Assisted Antisense LNA Gapmer Delivery for In Situ Gene Silencing in Spinal Cord Injury. Molecular Therapy - Nucleic Acids, 2018, 11, 393-406.	2.3	13
63	Effects of early intravesical administration of resiniferatoxin to spinal cordâ€injured rats in neurogenic detrusor overactivity. Neurourology and Urodynamics, 2019, 38, 1540-1550.	0.8	11
64	Sensory neurons have an axon initial segment that initiates spontaneous activity in neuropathic pain. Brain, 2022, 145, 1632-1640.	3.7	11
65	Bidirectional flow of action potentials in axons drives activity dynamics in neuronal cultures. Journal of Neural Engineering, 2021, 18, 066045.	1.8	11
66	Axonal pathology in <scp>K</scp>rabbe's disease: The cytoskeleton as an emerging therapeutic target. Journal of Neuroscience Research, 2016, 94, 1037-1041.	1.3	10
67	Transthyretin knockout mice display decreased susceptibility to AMPA-induced neurodegeneration. Neurochemistry International, 2009, 55, 454-457.	1.9	9
68	Primary Bone Marrow Mesenchymal Stromal Cells Rescue the Axonal Phenotype of Twitcher Mice. Cell Transplantation, 2014, 23, 239-252.	1.2	9
69	Transthyretin knockout mouse nerves have increased lipoprotein lipase and sphingolipid content following crush. Neuroscience Letters, 2008, 446, 83-87.	1.0	6
70	The cytoskeleton as a modulator of tension driven axon elongation. Developmental Neurobiology, 2021, 81, 300-309.	1.5	6
71	Transthyretin Promotes Axon Growth via Regulation of Microtubule Dynamics and Tubulin Acetylation. Frontiers in Cell and Developmental Biology, 2021, 9, 747699.	1.8	6
72	Variants in ADD1 cause intellectual disability, corpus callosum dysgenesis, and ventriculomegaly in humans. Genetics in Medicine, 2022, 24, 319-331.	1.1	6

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73	Transthyretin in peripheral nerve regeneration. Future Neurology, 2009, 4, 723-730.	0.9	3
74	The role of the membrane-associated periodic skeleton in axons. Cellular and Molecular Life Sciences, 2021, 78, 5371-5379.	2.4	3
75	Transthyretin Null Mice as a Model to Study the Involvement of Transthyretin in Neurobiology: From Neuropeptide Processing to Nerve Regeneration. , 2009, , 311-328.		1
76	Coronal brain atlas in stereotaxic coordinates of the African spiny mouse, Acomys cahirinus. Journal of Comparative Neurology, 2022, , .	0.9	1