AndrÃ© Ricardo Massensini

List of Publications by Year
in descending order

117 papers	4,694 citations	117625 34 h-index	110387 64 g-index
117 all docs	117 docs citations	117 times ranked	7251 citing authors

#	Article	IF	Citations
1	Physical therapy exerts sub-additive and suppressive effects on intracerebral neural stem cell implantation in a rat model of stroke. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 826-843.	4.3	6
2	Mapping the acute time course of immune cell infiltration into an ECM hydrogel in a rat model of stroke using 19F MRI. Biomaterials, 2022, 282, 121386.	11.4	14
3	Alamandine Induces Neuroprotection in Ischemic Stroke Models. Current Medicinal Chemistry, 2022, 29, 3483-3498.	2.4	2
4	Neuroprotective effect of CTK 01512â€2 recombinant toxin at the spinal cord in a model of Huntington's disease. Experimental Physiology, 2022, , .	2.0	3
5	Protective effect of a spider recombinant toxin in a murine model of Huntington's disease. Neuropeptides, 2021, 85, 102111.	2.2	5
6	ECM hydrogel improves the delivery of PEG microsphere-encapsulated neural stem cells and endothelial cells into tissue cavities caused by stroke. Brain Research Bulletin, 2021, 168, 120-137.	3.0	21
7	Pulmonary arterial hypertension induces the release of circulating extracellular vesicles with oxidative content and alters redox and mitochondrial homeostasis in the brains of rats. Hypertension Research, 2021, 44, 918-931.	2.7	10
8	Extrapial Hippocampal Resection in Anterior Temporal Lobectomy: Technical Description and Clinical Outcomes in a 62-Patient Case Series. Operative Neurosurgery, 2021, 21, 312-323.	0.8	0
9	Neurochemical abnormalities in the hippocampus of male rats displaying audiogenic seizures, a genetic model of epilepsy. Neuroscience Letters, 2021, 761, 136123.	2.1	3
10	19F Magnetic Resonance Imaging and Spectroscopy in Neuroscience. Neuroscience, 2021, 474, 37-50.	2.3	13
11	Post-Stroke Timing of ECM Hydrogel Implantation Affects Biodegradation and Tissue Restoration. International Journal of Molecular Sciences, 2021, 22, 11372.	4.1	14
12	Striatal Acetylcholine Helps to Preserve Functional Outcomes in a Mouse Model of Stroke. ASN Neuro, 2020, 12, 175909142096161.	2.7	5
13	Ex vivo mesoscopic diffusion <scp>MRI</scp> correlates with seizure frequency in patients with uncontrolled mesial temporal lobe epilepsy. Human Brain Mapping, 2020, 41, 4529-4548.	3.6	10
14	Mesoscale diffusion magnetic resonance imaging of the ex vivo human hippocampus. Human Brain Mapping, 2020, 41, 4200-4218.	3.6	15
15	Characterization of gene expression changes in human neural stem cells and endothelial cells modeling a neurovascular microenvironment. Brain Research Bulletin, 2020, 158, 9-19.	3.0	8
16	A systematic optimization of 19F MR image acquisition to detect macrophage invasion into an ECM hydrogel implanted in the stroke-damaged brain. NeuroImage, 2019, 202, 116090.	4.2	12
17	A roadmap for promoting endogenous in situ tissue restoration using inductive bioscaffolds after acute brain injury. Brain Research Bulletin, 2019, 150, 136-149.	3.0	22
18	Bioscaffold-Induced Brain Tissue Regeneration. Frontiers in Neuroscience, 2019, 13, 1156.	2.8	40

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19	Quantification of the Extracellular Matrix Molecule Thrombospondin 1 and Its Pericellular Association in the Brain Using a Semiautomated Computerized Approach. Journal of Histochemistry and Cytochemistry, 2018, 66, 643-662.	2.5	3
20	Chemical exchangeâ€“sensitive spinâ€lock (<scp>CESL) MRI</scp> of glucose and analogs in brain tumors. Magnetic Resonance in Medicine, 2018, 80, 488-495.	3.0	37
21	High intensity interval training modulates hippocampal oxidative stress, BDNF and inflammatory mediators in rats. Physiology and Behavior, 2018, 184, 6-11.	2.1	70
22	Biodegradation of ECM hydrogel promotes endogenous brain tissue restoration in a rat model of stroke. Acta Biomaterialia, 2018, 80, 66-84.	8.3	93
23	Effects of chronic antipsychotic drug exposure on the expression of Translocator Protein and inflammatory markers in rat adipose tissue. Psychoneuroendocrinology, 2018, 95, 28-33.	2.7	12
24	Ex vivo biomechanical characterization of syringe-needle ejections for intracerebral cell delivery. Scientific Reports, 2018, 8, 9194.	3.3	41
25	Recent Advances in the Therapeutic and Diagnostic Use of Liposomes and Carbon Nanomaterials in Ischemic Stroke. Frontiers in Neuroscience, 2018, 12, 453.	2.8	39
26	Long-term retention of ECM hydrogel after implantation into a sub-acute stroke cavity reduces lesion volume. Acta Biomaterialia, 2017, 63, 50-63.	8.3	53
27	Biological effects of dosing aerobic exercise and neuromuscular electrical stimulation in rats. Scientific Reports, 2017, 7, 10830.	3.3	28
28	Translational considerations in injectable cell-based therapeutics for neurological applications: concepts, progress and challenges. Npj Regenerative Medicine, 2017, 2, 23.	5.2	117
29	Diamagnetic chemical exchange saturation transfer (diaCEST) affords magnetic resonance imaging of extracellular matrix hydrogel implantation in a rat model of stroke. Biomaterials, 2017, 113, 176-190.	11.4	29
30	Correlations of Behavioral Deficits with Brain Pathology Assessed through Longitudinal MRI and Histopathology in the HdhQ150/Q150 Mouse Model of Huntingtonâ€™s Disease. PLoS ONE, 2017, 12, e0168556.	2.5	17
31	Magnetic resonance imaging and tensor-based morphometry in the MPTP non-human primate model of Parkinsonâ€™s disease. PLoS ONE, 2017, 12, e0180733.	2.5	9
32	Swimming training attenuates oxidative damage and increases enzymatic but not non-enzymatic antioxidant defenses in the rat brain. Brazilian Journal of Medical and Biological Research, 2016, 49, e5310.	1.5	24
33	Vesicular acetylcholine transporter knock down-mice are more susceptible to inflammation, c- Fos expression and sickness behavior induced by lipopolysaccharide. Brain, Behavior, and Immunity, 2016, 57, 282-292.	4.1	32
34	Human neural stem cell-induced endothelial morphogenesis requires autocrine/paracrine and juxtacrine signaling. Scientific Reports, 2016, 6, 29029.	3.3	24
35	Gaining Mechanistic Insights into Cell Therapy Using Magnetic Resonance Imaging. Current Stem Cell Reports, 2016, 2, 221-227.	1.6	0
36	Biomaterial applications in neural therapy and repair. Chinese Neurosurgical Journal, 2016, 2, .	0.9	9

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37	Intracerebral Cell Implantation: Preparation and Characterization of Cell Suspensions. Cell Transplantation, 2016, 25, 645-664.	2.5	33
38	ECM hydrogel for the treatment of stroke: Characterization of the host cell infiltrate. Biomaterials, 2016, 91, 166-181.	11.4	116
39	Triggering Different Brain States Using Asynchronous Serial Communication to the Rat Amygdala. Cerebral Cortex, 2016, 26, 1866-1877.	2.9	9
40	Detection of aberrant hippocampal mossy fiber connections: Ex vivo mesoscale diffusion <scp>MRI</scp> and microtractography with histological validation in a patient with uncontrolled temporal lobe epilepsy. Human Brain Mapping, 2016, 37, 780-795.	3.6	36
41	DNAâ€“gadoliniumâ€“gold nanoparticles for inÂvivo T1 MR imaging of transplanted human neural stem cells. Biomaterials, 2016, 77, 291-306.	11.4	81
42	Simultaneous MR imaging for tissue engineering in a rat model of stroke. Scientific Reports, 2015, 5, 14597.	3.3	26
43	Comparative Magnetic Resonance Imaging and Histopathological Correlates in Two SOD1 Transgenic Mouse Models of Amyotrophic Lateral Sclerosis. PLoS ONE, 2015, 10, e0132159.	2.5	23
44	Effects of tityustoxin on cerebral inflammatory response in young rats. Neuroscience Letters, 2015, 588, 24-28.	2.1	8
45	Response to Cardiac regeneration validated. Nature Biotechnology, 2015, 33, 587-587.	17.5	2
46	Object recognition memory deficit and depressive-like behavior caused by chronic ovariectomy can be transitorialy recovered by the acute activation of hippocampal estrogen receptors. Psychoneuroendocrinology, 2015, 57, 14-25.	2.7	43
47	Concentration-dependent rheological properties of ECM hydrogel for intracerebral delivery to a stroke cavity. Acta Biomaterialia, 2015, 27, 116-130.	8.3	127
48	ADptive plasticity and recovery in preclinical models of stroke. Archives Italiennes De Biologie, 2015, 152, 190-215.	0.4	12
49	A role for the endocannabinoid system in exercise-induced spatial memory enhancement in mice. Hippocampus, 2014, 24, 79-88.	1.9	58
50	Neuroprotective effect of exercise in rat hippocampal slices submitted to in vitro ischemia is promoted by decrease of glutamate release and proâ€apoptotic markers. Journal of Neurochemistry, 2014, 131, 65-73.	3.9	14
51	Clinical imaging in regenerative medicine. Nature Biotechnology, 2014, 32, 804-818.	17.5	207
52	Biologic scaffold for CNS repair. Regenerative Medicine, 2014, 9, 367-383.	1.7	44
53	Reduced Cortical Volume and Elevated Astrocyte Density in Rats Chronically Treated With Antipsychotic Drugsâ€”Linking Magnetic Resonance Imaging Findings to Cellular Pathology. Biological Psychiatry, 2014, 75, 982-990.	1.3	85
54	Brainstem Structures Are Primarily Affected in an Experimental Model of Severe Scorpion Envenomation. Toxicological Sciences, 2014, 137, 147-157.	3.1	10

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55	Enriched environment increases neurogenesis and improves social memory persistence in socially isolated adult mice. Hippocampus, 2014, 24, 239-248.	1.9	84
56	Trypan blue exclusion assay by flow cytometry. Brazilian Journal of Medical and Biological Research, 2014, 47, 307-315.	1.5	111
57	In Vitro Modeling of the Neurovascular Environment by Coculturing Adult Human Brain Endothelial Cells with Human Neural Stem Cells. PLoS ONE, 2014, 9, e106346.	2.5	57
58	3D reconstruction of 2D fluorescence histology images and registration with in vivo MR images: Application in a rodent stroke model. Journal of Neuroscience Methods, 2013, 219, 27-40.	2.5	35
59	MR Diffusion Histology and Micro-Tractography Reveal Mesoscale Features of the Human Cerebellum. Cerebellum, 2013, 12, 923-931.	2.5	49
60	Stressâ€inducible phosphoprotein 1 has unique cochaperone activity during development and regulates cellular response to ischemiaviathe prion protein. FASEB Journal, 2013, 27, 3594-3607.	0.5	86
61	Hydrogels derived from central nervous system extracellular matrix. Biomaterials, 2013, 34, 1033-1040.	11.4	237
62	Sulforaphane preconditioning of the Nrf2/HO-1 defense pathway protects the cerebral vasculature against bloodâ€“brain barrier disruption and neurological deficits in stroke. Free Radical Biology and Medicine, 2013, 65, 1012-1022.	2.9	186
63	The late response of rat subependymal zone stem and progenitor cells to stroke is restricted to directly affected areas of their niche. Experimental Neurology, 2013, 248, 387-397.	4.1	23
64	Object recognition memory and temporal lobe activation after delayed estrogen replacement therapy. Neurobiology of Learning and Memory, 2013, 101, 19-25.	1.9	28
65	Bioengineering solutions for neural repair and recovery in stroke. Current Opinion in Neurology, 2013, 26, 626-631.	3.6	20
66	Considerations for the clinical use of contrast agents for cellular MRI in regenerative medicine. Contrast Media and Molecular Imaging, 2013, 8, 439-455.	0.8	34
67	Correlations of Behavioral Deficits with Brain Pathology Assessed through Longitudinal MRI and Histopathology in the R6/2 Mouse Model of HD. PLoS ONE, 2013, 8, e60012.	2.5	44
68	Correlations of Behavioral Deficits with Brain Pathology Assessed through Longitudinal MRI and Histopathology in the R6/1 Mouse Model of Huntingtonâ€™s Disease. PLoS ONE, 2013, 8, e84726.	2.5	39
69	Malnutrition during central nervous system growth and development impairs permanently the subcortical auditory pathway. Nutritional Neuroscience, 2012, 15, 31-36.	3.1	16
70	Swim training attenuates oxidative damage and promotes neuroprotection in cerebral cortical slices submitted to oxygen glucose deprivation. Journal of Neurochemistry, 2012, 123, 317-324.	3.9	23
71	Pharmacological induction of ischemic tolerance in hippocampal slices by sarcosine preconditioning. Neurochemistry International, 2012, 61, 713-720.	3.8	13
72	Anatomically dependent anticonvulsant properties of temporally-coded electrical stimulation. Epilepsy and Behavior, 2012, 23, 294-297.	1.7	17

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73	Neo-vascularization of the stroke cavity by implantation of human neural stem cells on VEGF-releasing PLGA microparticles. Biomaterials, 2012, 33, 7435-7446.	11.4	126
74	Differential effects of swimming training on neuronal calcium sensor-1 expression in rat hippocampus/cortex and in object recognition memory tasks. Brain Research Bulletin, 2012, 88, 385-391.	3.0	14
75	Implantation Site and Lesion Topology Determine Efficacy of a Human Neural Stem Cell Line in a Rat Model of Chronic Stroke. Stem Cells, 2012, 30, 785-796.	3.2	135
76	Non-invasive imaging of transplanted human neural stem cells and ECM scaffold remodeling in the stroke-damaged rat brain by 19F- and diffusion-MRI. Biomaterials, 2012, 33, 2858-2871.	11.4	155
77	Reduced hippocampal GABAergic function in Wistar audiogenic rats. Brazilian Journal of Medical and Biological Research, 2011, 44, 1054-1059.	1.5	9
78	From Molecules to Man: The Dawn of a Vitreous Man. Methods in Molecular Biology, 2011, 711, 3-14.	0.9	2
79	Tracking Transplanted Cells by MRI â€“ Methods and Protocols. Methods in Molecular Biology, 2011, 771, 717-732.	0.9	1
80	A conceptual framework for interdisciplinary curriculum design: a case study in neuroscience. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2011, 10, A71-9.	0.0	2
81	Phoneutria spider toxins block ischemiaâ€induced glutamate release, neuronal death, and loss of neurotransmission in hippocampus. Hippocampus, 2009, 19, 1123-1129.	1.9	41
82	Attachment of stem cells to scaffold particles for intra-cerebral transplantation. Nature Protocols, 2009, 4, 1440-1453.	12.0	75
83	The support of neural stem cells transplanted into stroke-induced brain cavities by PLGA particles. Biomaterials, 2009, 30, 2985-2994.	11.4	195
84	Electroencephalographic evidence of brainstem recruitment during scorpion envenomation. NeuroToxicology, 2009, 30, 90-96.	3.0	14
85	Liver Cell Labelling with MRI Contrast Agents. Methods in Molecular Biology, 2009, 481, 207-219.	0.9	5
86	Long-term survival and serial assessment of stroke damage and recovery â€“ practical and methodological considerations.. Journal of Experimental Stroke & Translational Medicine, 2009, 2, 52-68.	0.2	15
87	Protective Effect of Retinal Ischemia by Blockers of Voltage-dependent Calcium Channels and Intracellular Calcium Stores. Cellular and Molecular Neurobiology, 2008, 28, 847-856.	3.3	17
88	Carbamazepine is effective in the treatment of 21-day-old Wistar rats injected with Tityus serrulatus crude venom. Brain Research, 2008, 1239, 256-260.	2.2	6
89	Dose-dependent effect of carbamazepine on weanling rats submitted to subcutaneous injection of tityustoxin. Neuroscience Letters, 2008, 433, 170-173.	2.1	7
90	Carbamazepine protects the CNS of Wistar rats against the central effects of scorpion envenomation. NeuroToxicology, 2008, 29, 136-142.	3.0	13

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91	Endocytosis of Prion Protein Is Required for ERK1/2 Signaling Induced by Stress-Inducible Protein 1. Journal of Neuroscience, 2008, 28, 6691-6702.	3.6	86
92	Noninvasive imaging of transplanted cells. Current Opinion in Organ Transplantation, 2008, 13, 654-658.	1.6	22
93	Brain repair how stem cells are changing neurology. Bulletin De La SociÃ©tÃ© Historique Et ArchÃ©ologique Du PÃ©rigord, 2008, , 217-57.	0.1	1
94	Neuroprotective effect on brain injury by neurotoxins from the spider Phoneutria nigriventer. Neurochemistry International, 2006, 49, 543-547.	3.8	32
95	Computerized invasive measurement of time-dependent intraocular pressure. Brazilian Journal of Medical and Biological Research, 2006, 39, 1249-1253.	1.5	0
96	Trypanosoma cruzi disrupts myofibrillar organization and intracellular calcium levels in mouse neonatal cardiomyocytes. Cell and Tissue Research, 2006, 324, 489-496.	2.9	11
97	Antiarrhythmogenic and Antioxidant Effect of the Flavonoid Dioclein in a Model of Cardiac Ischemia/Reperfusion. Planta Medica, 2006, 72, 300-303.	1.3	10
98	Assessing the effects of a contrast agent on the ability of neural stem cell grafts to recover behavioural impairments in a rat model of stroke: A 1 year serial MRI study. Journal of Cerebral Blood Flow and Metabolism, 2005, 25, S497-S497.	4.3	0
99	Correction of image instability in confocal microscopy using image realignment. Cell Calcium, 2004, 35, 79-85.	2.4	0
100	In vivo monitoring of cellular transplants by magnetic resonance imaging and positron emission tomography. Expert Opinion on Biological Therapy, 2004, 4, 145-155.	3.1	20
101	Evidence for augmented brainstem activated forebrain seizures in Wistar Audiogenic Rats subjected to transauricular electroshock. Neuroscience Letters, 2004, 369, 19-23.	2.1	15
102	Mapping transplanted stem cell migration after a stroke: a serial, in vivo magnetic resonance imaging study. NeuroImage, 2004, 21, 311-317.	4.2	261
103	Effects of Î±-scorpion toxin, tityustoxin on the release of [3H] dopamine of rat brain prefrontal cortical slices. Neurochemistry International, 2004, 44, 91-97.	3.8	17
104	Sodium channel toxins and neurotransmitter release. Neurochemical Research, 2003, 28, 1607-1611.	3.3	24
105	Exocytotic Release of [3H]-Acetylcholine by Ouabain Involves Intracellular Ca2+Stores in Rat Brain Cortical Slices. Cellular and Molecular Neurobiology, 2003, 23, 917-927.	3.3	5
106	Effects of implantation site of dead stem cells in rats with stroke damage. NeuroReport, 2003, 14, 39-42.	1.2	35
107	Effects of Implantation Site of Stem Cell Grafts on Behavioral Recovery From Stroke Damage. Stroke, 2002, 33, 2270-2278.	2.0	214
108	Translocation of protein kinase C by halothane in cholinergic cells. Brain Research Bulletin, 2002, 58, 55-59.	3.0	4

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109	Tracking sodium channels in live cells: confocal imaging using fluorescently labeled toxins. Journal of Neuroscience Methods, 2002, 116, 189-196.	2.5	13
110	Modulation of Na+-channels by neurotoxins produces different effects on [3H]ACh release with mobilization of distinct Ca2+-channels. Cellular and Molecular Neurobiology, 2002, 22, 819-826.	3.3	12
111	Tracking transplanted stem cell migration using bifunctional, contrast agent-enhanced, magnetic resonance imaging. NeuroImage, 2002, 17, 803-11.	4.2	94
112	Effects of a Lasiodora spider venom on Ca 2+ and Na + channels. Toxicon, 2001, 39, 991-1002.	1.6	16
113	Halothane-induced intracellular calcium release in cholinergic cells. Brain Research, 2001, 921, 106-114.	2.2	13
114	Calcium channels coupled to depolarization-evoked glutamate release in the myenteric plexus of guinea-pig ileum. Neuroscience, 2000, 101, 237-242.	2.3	29
115	Expression of the Vesicular Acetylcholine Transporter, Proteins Involved in Exocytosis, and Functional Calcium Signaling in Varicosities and Soma of a Murine Septal Cell Line. Journal of Neurochemistry, 1999, 73, 1881-1893.	3.9	5
116	Alpha- and beta-scorpion toxins evoke glutamate release from rat cortical synaptosomes with different effects on [Na+]i and [Ca2+]i. Neuropharmacology, 1998, 37, 289-297.	4.1	47
117	Cellular Therapies and Cell Tracking. , 0, , 347-367.		0