

# Leonardo Andrade

## List of Publications by Year in descending order

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65  
papers

3,756  
citations

126907

33  
h-index

128289

60  
g-index

66  
all docs

66  
docs citations

66  
times ranked

5645  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cysteine depletion induces pancreatic tumor ferroptosis in mice. <i>Science</i> , 2020, 368, 85-89.	12.6	692
2	Regulation of Stereocilia Length by Myosin XVa and Whirlin Depends on the Actin-Regulatory Protein Eps8. <i>Current Biology</i> , 2011, 21, 167-172.	3.9	171
3	Dissociation of amyloid fibrils of $\beta$ -synuclein and transthyretin by pressure reveals their reversible nature and the formation of water-excluded cavities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9831-9836.	7.1	170
4	Fibrillar Aggregates of the Tumor Suppressor p53 Core Domain. <i>Biochemistry</i> , 2003, 42, 9022-9027.	2.5	167
5	Titanium alloy mini-implants for orthodontic anchorage: Immediate loading and metal ion release. <i>Acta Biomaterialia</i> , 2007, 3, 331-339.	8.3	138
6	Microcapsules of alginate/chitosan containing magnetic nanoparticles for controlled release of insulin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 206-211.	5.0	125
7	Regulation of the ER stress response by a mitochondrial microprotein. <i>Nature Communications</i> , 2019, 10, 4883.	12.8	115
8	Regulation of PCDH15 function in mechanosensory hair cells by alternative splicing of the cytoplasmic domain. <i>Development (Cambridge)</i> , 2011, 138, 1607-1617.	2.5	111
9	Occurrence of sulfated galactans in marine angiosperms: evolutionary implications. <i>Glycobiology</i> , 2004, 15, 11-20.	2.5	104
10	Effects of copper on <i>Enteromorpha flexuosa</i> (Chlorophyta) in vitro. <i>Ecotoxicology and Environmental Safety</i> , 2004, 58, 117-125.	6.0	104
11	Characterization of short chain fatty acid microcapsules produced by spray drying. <i>Materials Science and Engineering C</i> , 2004, 24, 653-658.	7.3	101
12	Ultrastructure of acidic polysaccharides from the cell walls of brown algae. <i>Journal of Structural Biology</i> , 2004, 145, 216-225.	2.8	92
13	Brown algae overproduce cell wall polysaccharides as a protection mechanism against the heavy metal toxicity. <i>Marine Pollution Bulletin</i> , 2010, 60, 1482-1488.	5.0	92
14	Mercury-Selenium Relationships in Liver of Guiana Dolphin: The Possible Role of Kupffer Cells in the Detoxification Process by Tiemannite Formation. <i>PLoS ONE</i> , 2012, 7, e42162.	2.5	92
15	Comparison of $\beta$ -tocopherol microparticles produced with different wall materials: pea protein a new interesting alternative. <i>Journal of Microencapsulation</i> , 2007, 24, 201-213.	2.8	74
16	Effects on Growth and Accumulation of Zinc in Six Seaweed Species. <i>Ecotoxicology and Environmental Safety</i> , 1997, 37, 223-228.	6.0	67
17	Brown algae species as biomonitors of Zn and Cd at Sepetiba Bay, Rio de Janeiro, Brazil. <i>Marine Environmental Research</i> , 1999, 48, 213-224.	2.5	65
18	New microencapsulation system for ascorbic acid using pea protein concentrate as coat protector. <i>Journal of Microencapsulation</i> , 2006, 23, 654-662.	2.8	61

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19	Colocalization of heparin and histamine in the intracellular granules of test cells from the invertebrate <i>Styela plicata</i> (Chordata-Tunicata). <i>Journal of Structural Biology</i> , 2002, 137, 313-321.	2.8	59
20	Systemic levels of metallic ions released from orthodontic mini-implants. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2009, 135, 522-529.	1.7	59
21	Legumes seeds protein isolates in the production of ascorbic acid microparticles. <i>Food Research International</i> , 2009, 42, 115-121.	6.2	59
22	Assessment of heavy metals in the particulate matter of two Brazilian metropolitan areas by using <i>Tillandsia usneoides</i> as atmospheric biomonitor. <i>Environmental Science and Pollution Research</i> , 2011, 18, 416-427.	5.3	57
23	Intra-cellular storage, transport and exocytosis of halogenated compounds in marine red alga <i>Laurencia obtusa</i> . <i>Journal of Structural Biology</i> , 2008, 162, 345-355.	2.8	55
24	Hg localisation in <i>Tillandsia usneoides</i> L. (Bromeliaceae), an atmospheric biomonitor. <i>Atmospheric Environment</i> , 2002, 36, 881-887.	4.1	50
25	CLIC5 stabilizes membrane-actin filament linkages at the base of hair cell stereocilia in a molecular complex with radixin, taperin, and myosin VI. <i>Cytoskeleton</i> , 2014, 71, 61-78.	2.0	50
26	Functional study of TCP23 in <i>Arabidopsis thaliana</i> during plant development. <i>Plant Physiology and Biochemistry</i> , 2013, 67, 120-125.	5.8	49
27	Sequential bone healing of immediately loaded mini-implants: histomorphometric and fluorescence analysis. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2010, 137, 80-90.	1.7	47
28	Metal accumulation by <i>Halodule wrightii</i> populations. <i>Aquatic Botany</i> , 2004, 80, 241-251.	1.6	44
29	Immunogold TEM of otoconin 90 and otolin "relevance to mineralization of otoconia, and pathogenesis of benign positional vertigo. <i>Hearing Research</i> , 2012, 292, 14-25.	2.0	43
30	The Hemolymph of the Ascidian <i>Styela plicata</i> (Chordata-Tunicata) Contains Heparin inside Basophil-like Cells and a Unique Sulfated Galactoglucan in the Plasma. <i>Journal of Biological Chemistry</i> , 2007, 282, 1615-1626.	3.4	42
31	The <i>Arabidopsis</i> translocator protein (AtTSPO) is regulated at multiple levels in response to salt stress and perturbations in tetrapyrrole metabolism. <i>BMC Plant Biology</i> , 2011, 11, 108.	3.6	42
32	Sequential bone healing of immediately loaded mini-implants. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , 2008, 134, 44-52.	1.7	41
33	The Septate Junction Protein Caspr Is Required for Structural Support and Retention of KCNQ4 at Calyceal Synapses of Vestibular Hair Cells. <i>Journal of Neuroscience</i> , 2009, 29, 3103-3108.	3.6	41
34	Localization of specific monosaccharides in cells of the brown alga <i>Padina gymnospora</i> and the relation to heavy-metal accumulation. <i>Protoplasma</i> , 2005, 225, 123-128.	2.1	37
35	Changes in plasma membrane structure and electromotile properties in prestin deficient outer hair cells. <i>Cytoskeleton</i> , 2010, 67, 43-55.	2.0	34
36	Actin chromobody imaging reveals sub-organellar actin dynamics. <i>Nature Methods</i> , 2020, 17, 917-921.	19.0	33

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37	Correlation of Actin Crosslinker and Capper Expression Levels with Stereocilia Growth Phases. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 606-620.	3.8	26
38	Apoptosis as a mechanism for removal of mutated cells of <i>Saccharomyces cerevisiae</i> : The role of Grx2 under cadmium exposure. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 160-166.	2.4	25
39	Role of <i>Padina gymnospora</i> (Dictyotales, Phaeophyceae) cell walls in cadmium accumulation. <i>Phycologia</i> , 2002, 41, 39-48.	1.4	24
40	Ephrin-B2 governs morphogenesis of endolymphatic sac and duct epithelia in the mouse inner ear. <i>Developmental Biology</i> , 2014, 390, 51-67.	2.0	24
41	Tectorins crosslink type II collagen fibrils and connect the tectorial membrane to the spiral limbus. <i>Journal of Structural Biology</i> , 2016, 194, 139-146.	2.8	24
42	Nitric oxide production by hemocytes of the ascidian <i>Styela plicata</i> . <i>Cell and Tissue Research</i> , 2009, 338, 117-128.	2.9	23
43	Cryo-electron tomography of the magnetotactic vibrio <i>Magnetovibrio blakemorei</i> : Insights into the biomineralization of prismatic magnetosomes. <i>Journal of Structural Biology</i> , 2013, 181, 162-168.	2.8	22
44	Artificial Laminin Polymers Assembled in Acidic pH Mimic Basement Membrane Organization. <i>Journal of Biological Chemistry</i> , 2008, 283, 11714-11720.	3.4	20
45	Functionalization of Biodegradable Polyester for Tissue Engineering Applications. <i>Macromolecular Symposia</i> , 2007, 258, 38-44.	0.7	18
46	Biosynthesis and metabolism of sulfated glycosaminoglycans during <i>Drosophila melanogaster</i> development. <i>Glycobiology</i> , 2004, 14, 529-536.	2.5	17
47	Elemental composition of acidocalcisomes of <i>Trypanosoma cruzi</i> bloodstream trypomastigote forms. <i>Parasitology Research</i> , 2002, 88, 875-880.	1.6	16
48	Catalase, Bax and p53 expression in the visual system of the crab <i>Ucides cordatus</i> following exposure to ultraviolet radiation. <i>Cell and Tissue Research</i> , 2007, 329, 159-168.	2.9	16
49	Desmin filaments are stably associated with the outer nuclear surface in chick myoblasts. <i>Cell and Tissue Research</i> , 2006, 323, 351-357.	2.9	15
50	<i>Trypanosoma cruzi</i> trypomastigotes induce cytoskeleton modifications during HeLa cell invasion. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2011, 106, 1014-1016.	1.6	12
51	Evidence for changes in beta- and gamma-actin proportions during inner ear hair cell life. <i>Cytoskeleton</i> , 2015, 72, 282-291.	2.0	12
52	Sulfated L-galactans from the sea urchin ovary: Selective 6-desulfation as eggs are spawned. <i>Glycobiology</i> , 2010, 20, 702-709.	2.5	11
53	Purification and characterization of the chaperone-like Hsp26 from <i>Saccharomyces cerevisiae</i> . <i>Protein Expression and Purification</i> , 2006, 47, 384-392.	1.3	9
54	Endosomal sorting drives the formation of axonal prion protein endogresomes. <i>Science Advances</i> , 2021, 7, eabg3693.	10.3	9

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55	Fine structure and molecular content of human chondrocytes encapsulated in alginate beads. <i>Cell Biology International</i> , 2011, 35, 293-297.	3.0	8
56	Plasma membrane cholesterol depletion disrupts prechordal plate and affects early forebrain patterning. <i>Developmental Biology</i> , 2012, 365, 350-362.	2.0	8
57	Case Report: Analytical Electron Microscopy of Lung Granulomas Associated with Exposure to Coating Materials Carried by Glass Wool Fibers. <i>Environmental Health Perspectives</i> , 2010, 118, 249-252.	6.0	7
58	Distinct patterns of mucosal apoptosis in <i>H pylori</i> -associated gastric ulcer are associated with altered FasL and perforin cytotoxic pathways. <i>World Journal of Gastroenterology</i> , 2006, 12, 6133.	3.3	7
59	CTGF/CCN2 has a chemoattractive function but a weak adhesive property to embryonic carcinoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2011, 413, 582-587.	2.1	5
60	Collagen colocalizes with a protein containing a decorin-specific peptide in the tissues of the ascidian <i>Styela plicata</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2006, 144, 215-222.	1.6	4
61	Mini-implantes ortod�nticos carregados imediatamente: estudo in vivo. <i>Revista Materia</i> , 2007, 12, 111-119.	0.2	3
62	A new method to obtain $\beta$ -glucan from <i>Saccharomyces cerevisiae</i> cells. <i>Catalysis Science and Technology</i> , 2011, 1, 1068.	4.1	3
63	Patient's cells colonize the biofilm of Tenckhoff catheters used in peritoneal dialysis. <i>Biofouling</i> , 2011, 27, 603-608.	2.2	1
64	$\beta$ -Amyloid peptide is internalized into chick retinal neurons and alters the distribution of myosin Vb. <i>Cytoskeleton</i> , 2012, 69, 166-178.	2.0	1
65	Effects of hydroxyapatite associated to collagen type I graft in bone repair of critical defects in rabbits. <i>Research, Society and Development</i> , 2022, 11, e45411730243.	0.1	0