

Odete A B Da Cruz E Silva

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129
papers

3,010
citations

31
h-index

48
g-index

148
ext. papers

3,595
ext. citations

4.2
avg, IF

5.21
L-index

#	Paper	IF	Citations
129	Exosome isolation from distinct biofluids using precipitation and column-based approaches. <i>PLoS ONE</i> , 2018 , 13, e0198820	3.7	151
128	Cloning and stable expression of a new member of the human liver phenol/bilirubin: UDP-glucuronosyltransferase cDNA family. <i>Biochemical Journal</i> , 1991 , 278 (Pt 2), 465-9	3.8	121
127	Flavonoids as therapeutic compounds targeting key proteins involved in Alzheimer's disease. <i>ACS Chemical Neuroscience</i> , 2014 , 5, 83-92	5.7	119
126	Isolation and sequence analysis of a cDNA clone encoding a type-1 protein phosphatase catalytic subunit: homology with protein phosphatase 2A. <i>FEBS Letters</i> , 1987 , 223, 340-6	3.8	118
125	Retrieval of the Alzheimer's amyloid precursor protein from the endosome to the TGN is S655 phosphorylation state-dependent and retromer-mediated. <i>Molecular Neurodegeneration</i> , 2010 , 5, 40	19	100
124	Impact of Cytokines and Chemokines on Alzheimer's Disease Neuropathological Hallmarks. <i>Current Alzheimer Research</i> , 2017 , 14, 870-882	3	88
123	Isolation and sequence analysis of a cDNA clone encoding the entire catalytic subunit of a type-2A protein phosphatase. <i>FEBS Letters</i> , 1987 , 221, 415-22	3.8	84
122	Synthesis, mechanical and biological characterization of ionic doped carbonated hydroxyapatite/tricalcium phosphate mixtures. <i>Acta Biomaterialia</i> , 2011 , 7, 1835-43	10.8	78
121	Regulated cleavage of Alzheimer beta-amyloid precursor protein in the absence of the cytoplasmic tail. <i>Neuroscience</i> , 1993 , 57, 873-7	3.9	78
120	Biological responses of brushite-forming Zn- and ZnSr- substituted beta-tricalcium phosphate bone cements. <i>European Cells and Materials</i> , 2010 , 20, 162-77	4.3	67
119	Protein phosphorylation and APP metabolism. <i>Neurochemical Research</i> , 2003 , 28, 1553-61	4.6	57
118	Effects of Mn-doping on the structure and biological properties of tricalcium phosphate. <i>Journal of Inorganic Biochemistry</i> , 2014 , 136, 57-66	4.2	54
117	Identification of the human testis protein phosphatase 1 interactome. <i>Biochemical Pharmacology</i> , 2011 , 82, 1403-15	6	53
116	A second catalytic subunit of type-2A protein phosphatase from rabbit skeletal muscle. <i>FEBS Letters</i> , 1987 , 226, 176-8	3.8	53
115	Protein phosphatase 1 is a key player in nuclear events. <i>Cellular Signalling</i> , 2015 , 27, 2589-98	4.9	50
114	Identification of a novel protein phosphatase catalytic subunit by cDNA cloning. <i>FEBS Letters</i> , 1988 , 242, 106-10	3.8	49
113	Abeta promotes Alzheimer's disease-like cytoskeleton abnormalities with consequences to APP processing in neurons. <i>Journal of Neurochemistry</i> , 2010 , 113, 761-71	6	48

112	Inhibition of Protein Phosphatase 1 Stimulates Secretion of Alzheimer Amyloid Precursor Protein. <i>Molecular Medicine</i> , 1995 , 1, 535-541	6.2	46
111	Applying Electron Microscopy to Characterize the Human Epididymis Collected in vivo. <i>Microscopy and Microanalysis</i> , 2012 , 18, 35-36	0.5	44
110	Protein phosphatase 1 complexes modulate sperm motility and present novel targets for male infertility. <i>Molecular Human Reproduction</i> , 2011 , 17, 466-77	4.4	43
109	The physiological relevance of protein phosphatase 1 and its interacting proteins to health and disease. <i>Current Medicinal Chemistry</i> , 2010 , 17, 3996-4017	4.3	43
108	S655 phosphorylation enhances APP secretory traffic. <i>Molecular and Cellular Biochemistry</i> , 2009 , 328, 145-54	4.2	39
107	Segments of bacteriophage lambda (orf 221) and phi 80 are homologous to genes coding for mammalian protein phosphatases. <i>Gene</i> , 1988 , 69, 131-4	3.8	39
106	Protein Phosphorylation is a Key Mechanism in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2017 , 58, 953-978	4.3	38
105	ABC Transporters Are Key Players in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018 , 61, 463-485	4.5	38
104	Tyr687 dependent APP endocytosis and Abeta production. <i>Journal of Molecular Neuroscience</i> , 2007 , 32, 1-8	3.3	38
103	Amyloid- β Modulates Both APP and Tau Phosphorylation. <i>Journal of Alzheimer's Disease</i> , 2015 , 45, 495-507	4.3	33
102	PP1 inhibition by Abeta peptide as a potential pathological mechanism in Alzheimer's disease. <i>Neurotoxicology and Teratology</i> , 2009 , 31, 85-8	3.9	33
101	Diagnostic and therapeutic potential of exosomes in Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2021 , 156, 162-181	6	33
100	Protein phosphatase 1 interacting proteins in the human brain. <i>OMICS A Journal of Integrative Biology</i> , 2012 , 16, 3-17	3.8	32
99	Enhanced generation of Alzheimer's amyloid-beta following chronic exposure to phorbol ester correlates with differential effects on alpha and epsilon isozymes of protein kinase C. <i>Journal of Neurochemistry</i> , 2009 , 108, 319-30	6	31
98	Tyrosine 687 phosphorylated Alzheimer's amyloid precursor protein is retained intracellularly and exhibits a decreased turnover rate. <i>Neurodegenerative Diseases</i> , 2007 , 4, 78-87	2.3	31
97	Alternatively spliced protein variants as potential therapeutic targets for male infertility and contraception. <i>Annals of the New York Academy of Sciences</i> , 2004 , 1030, 468-78	6.5	31
96	Monitoring protein phosphatase 1 isoform levels as a marker for cellular stress. <i>Neurotoxicology and Teratology</i> , 2004 , 26, 387-95	3.9	28
95	In vitro performance assessment of new brushite-forming Zn- and ZnSr-substituted beta-TCP bone cements. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010 , 94, 414-20	3.5	27

94	Identification of a novel human LAP1 isoform that is regulated by protein phosphorylation. <i>PLoS ONE</i> , 2014 , 9, e113732	3.7	27
93	Identification of a novel complex APP:Fe65:PP1 that regulates APP Thr668 phosphorylation levels. <i>Journal of Alzheimer's Disease</i> , 2013 , 35, 761-75	4.3	26
92	Protein phosphorylation regulates relative utilization of processing pathways for Alzheimer beta/A4 amyloid precursor protein. <i>Annals of the New York Academy of Sciences</i> , 1993 , 695, 117-21	6.5	26
91	Al β Influences Cytoskeletal Signaling Cascades with Consequences to Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2015 , 52, 1391-1407	6.2	25
90	The influence of galactomannans with different amount of galactose side chains on the gelation of soy proteins at neutral pH. <i>Food Hydrocolloids</i> , 2013 , 33, 349-360	10.6	25
89	SARP, a new alternatively spliced protein phosphatase 1 and DNA interacting protein. <i>Biochemical Journal</i> , 2007 , 402, 187-96	3.8	24
88	Nuclear envelope dysfunction and its contribution to the aging process. <i>Aging Cell</i> , 2020 , 19, e13143	9.9	24
87	FTIR and Raman Spectroscopy Applied to Dementia Diagnosis Through Analysis of Biological Fluids. <i>Journal of Alzheimer's Disease</i> , 2016 , 52, 801-12	4.3	23
86	Signal transduction therapeutics: relevance for Alzheimer's disease. <i>Journal of Molecular Neuroscience</i> , 2004 , 23, 123-42	3.3	23
85	Altered protein phosphorylation as a resource for potential AD biomarkers. <i>Scientific Reports</i> , 2016 , 6, 30319	4.9	22
84	The major type-1 protein phosphatase catalytic subunits are the same gene products in rabbit skeletal muscle and rabbit liver. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1989 , 1008, 125-8		22
83	Electrically polarized PLLA nanofibers as neural tissue engineering scaffolds with improved neuritegenesis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 167, 93-103	6	21
82	The nuclear envelope protein, LAP1B, is a novel protein phosphatase 1 substrate. <i>PLoS ONE</i> , 2013 , 8, e76788	3.7	21
81	New cosurface capacitive stimulators for the development of active osseointegrative implantable devices. <i>Scientific Reports</i> , 2016 , 6, 30231	4.9	21
80	Amyloid precursor protein interaction network in human testis: sentinel proteins for male reproduction. <i>BMC Bioinformatics</i> , 2015 , 16, 12	3.6	20
79	Altered subcellular distribution of the Alzheimer's amyloid precursor protein under stress conditions. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1096, 184-95	6.5	20
78	Protein phosphatase 1 and its complexes in carcinogenesis. <i>Current Cancer Drug Targets</i> , 2014 , 14, 2-29	2.8	19
77	Intracellular sAPP retention in response to A β is mapped to cytoskeleton-associated structures. <i>Journal of Neuroscience Research</i> , 2009 , 87, 1449-61	4.4	19

76	Capacitive technologies for highly controlled and personalized electrical stimulation by implantable biomedical systems. <i>Scientific Reports</i> , 2019 , 9, 5001	4.9	18
75	Antibiotic-loaded Sr-doped porous calcium phosphate granules as multifunctional bone grafts. <i>Ceramics International</i> , 2016 , 42, 2706-2716	5.1	18
74	RanBP9 modulates AICD localization and transcriptional activity via direct interaction with Tip60. <i>Journal of Alzheimer's Disease</i> , 2014 , 42, 1415-33	4.3	18
73	Alphabeta hinders nuclear targeting of AICD and Fe65 in primary neuronal cultures. <i>Journal of Molecular Neuroscience</i> , 2009 , 39, 248-55	3.3	18
72	Injectable MnSr-doped brushite bone cements with improved biological performance. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2775-2787	7.3	17
71	In Vitro Cytotoxicity Effects of Zinc Oxide Nanoparticles on Spermatogonia Cells. <i>Cells</i> , 2020 , 9,	7.9	17
70	Analysis of the amyloid precursor protein role in neuritogenesis reveals a biphasic SH-SY5Y neuronal cell differentiation model. <i>Journal of Neurochemistry</i> , 2015 , 134, 288-301	6	17
69	Isoform specific amyloid-beta protein precursor metabolism. <i>Journal of Alzheimer's Disease</i> , 2007 , 11, 85-95	4.3	17
68	LAP1 is a crucial protein for the maintenance of the nuclear envelope structure and cell cycle progression. <i>Molecular and Cellular Biochemistry</i> , 2015 , 399, 143-53	4.2	16
67	Protein phosphatase 1 isoforms linked interactions in the brain. <i>Journal of Molecular Neuroscience</i> , 2013 , 50, 179-97	3.3	16
66	Differential distribution of Alzheimer's amyloid precursor protein family variants in human sperm. <i>Annals of the New York Academy of Sciences</i> , 2007 , 1096, 196-206	6.5	16
65	Sodium azide and 2-deoxy-D-glucose-induced cellular stress affects phosphorylation-dependent AbetaPP processing. <i>Journal of Alzheimer's Disease</i> , 2005 , 7, 201-12; discussion 255-62	4.3	16
64	Identification and characterization of two distinct PPP1R2 isoforms in human spermatozoa. <i>BMC Cell Biology</i> , 2013 , 14, 15		15
63	Attitudes of Portuguese health professionals toward adverse drug reaction reporting. <i>International Journal of Clinical Pharmacy</i> , 2012 , 34, 693-8	2.3	15
62	Wnt signalling is a relevant pathway contributing to amyloid beta- peptide-mediated neuropathology in Alzheimer's disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010 , 9, 720-6	2.6	15
61	Effect of cell density on intracellular levels of the Alzheimer's amyloid precursor protein. <i>Journal of Neuroscience Research</i> , 2004 , 76, 406-14	4.4	15
60	A model system to study intracellular trafficking and processing of the Alzheimer's amyloid precursor protein. <i>Neurodegenerative Diseases</i> , 2004 , 1, 196-204	2.3	15
59	Lamina Associated Polypeptide 1 (LAP1) Interactome and Its Functional Features. <i>Membranes</i> , 2016 , 6,	3.8	15

58	Nuclear envelope dynamics during mammalian spermatogenesis: new insights on male fertility. <i>Biological Reviews</i> , 2019 , 94, 1195-1219	13.5	14
57	Not so pseudo: the evolutionary history of protein phosphatase 1 regulatory subunit 2 and related pseudogenes. <i>BMC Evolutionary Biology</i> , 2013 , 13, 242	3	14
56	Genetic mutations strengthen functional association of LAP1 with DYT1 dystonia and muscular dystrophy. <i>Mutation Research - Reviews in Mutation Research</i> , 2015 , 766, 42-7	7	13
55	The impact of the early phase of the COVID-19 pandemic on mental-health services in Europe. <i>World Journal of Biological Psychiatry</i> , 2021 , 22, 516-525	3.8	13
54	TCTEX1D4, a novel protein phosphatase 1 interactor: connecting the phosphatase to the microtubule network. <i>Biology Open</i> , 2013 , 2, 453-65	2.2	13
53	"Omics" of human sperm: profiling protein phosphatases. <i>OMICS A Journal of Integrative Biology</i> , 2013 , 17, 460-72	3.8	12
52	Comparison of simple sucrose and percoll based methodologies for synaptosome enrichment. <i>Analytical Biochemistry</i> , 2017 , 517, 1-8	3.1	12
51	Monitoring "De Novo" APP synthesis by taking advantage of the reversible effect of cycloheximide. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2008 , 23, 602-8	2.5	12
50	Screening Younger Individuals in a Primary Care Setting Flags Putative Dementia Cases and Correlates Gastrointestinal Diseases with Poor Cognitive Performance. <i>Dementia and Geriatric Cognitive Disorders</i> , 2017 , 43, 15-28	2.6	10
49	BRI2 and BRI3 are functionally distinct phosphoproteins. <i>Cellular Signalling</i> , 2016 , 28, 130-44	4.9	10
48	Monitoring plasma protein aggregation during aging using conformation-specific antibodies and FTIR spectroscopy. <i>Clinica Chimica Acta</i> , 2020 , 502, 25-33	6.2	10
47	Unravelling protein aggregation as an ageing related process or a neuropathological response. <i>Ageing Research Reviews</i> , 2019 , 51, 67-77	12	9
46	Putative Dementia Cases Fluctuate as a Function of Mini-Mental State Examination Cut-Off Points. <i>Journal of Alzheimer's Disease</i> , 2018 , 61, 157-167	4.3	9
45	Understanding fatty acid metabolism through an active learning approach. <i>Biochemistry and Molecular Biology Education</i> , 2010 , 38, 65-9	1.3	9
44	BRI2 Processing and Its Neuritogenic Role Are Modulated by Protein Phosphatase 1 Complexing. <i>Journal of Cellular Biochemistry</i> , 2017 , 118, 2752-2763	4.7	8
43	Potential of FTIR Spectroscopy Applied to Exosomes for Alzheimer's Disease Discrimination: A Pilot Study. <i>Journal of Alzheimer's Disease</i> , 2020 , 74, 391-405	4.3	8
42	Development of a Library of Thiophene-Based Drug-Like Lego Molecules: Evaluation of Their Anion Binding, Transport Properties, and Cytotoxicity. <i>Chemistry - A European Journal</i> , 2020 , 26, 888-899	4.8	8
41	Identification and characterization of the BRI2 interactome in the brain. <i>Scientific Reports</i> , 2018 , 8, 3548	4.9	7

40	Identification and characterization of a neuronal enriched novel transcript encoding the previously described p60Fe65 isoform. <i>Journal of Neurochemistry</i> , 2011 , 119, 1086-98	6	7
39	Nuclear Accumulation of LAP1:TRF2 Complex during DNA Damage Response Uncovers a Novel Role for LAP1. <i>Cells</i> , 2020 , 9,	7.9	7
38	Descriptive Analysis of LAP1 Distribution and That of Associated Proteins throughout Spermatogenesis. <i>Membranes</i> , 2017 , 7,	3.8	6
37	Toward Neuroproteomics in Biological Psychiatry: A Systems Approach Unravels Okadaic Acid-Induced Alterations in the Neuronal Phosphoproteome. <i>OMICS A Journal of Integrative Biology</i> , 2017 , 21, 550-563	3.8	6
36	Exosomal Aβ-Binding Proteins Identified by "In Silico" Analysis Represent Putative Blood-Derived Biomarker Candidates for Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
35	Complexing Aβ prevents the cellular anomalies induced by the Peptide alone. <i>Journal of Molecular Neuroscience</i> , 2014 , 53, 661-8	3.3	5
34	Mitochondria, energy, and metabolism in neuronal health and disease.. <i>FEBS Letters</i> , 2022 ,	3.8	5
33	NMR metabolomics to study the metabolic response of human osteoblasts to non-poled and poled poly (L-lactic) acid. <i>Magnetic Resonance in Chemistry</i> , 2019 , 57, 919-933	2.1	4
32	An intriguing shift occurs in the novel protein phosphatase 1 binding partner, TCTEX1D4: evidence of positive selection in a pika model. <i>PLoS ONE</i> , 2013 , 8, e77236	3.7	4
31	A proteomic analysis of the interactions between poly(L-lactic acid) nanofibers and SH-SY5Y neuronal-like cells. <i>AIMS Molecular Science</i> , 2016 , 3, 661-682	0.9	4
30	APP Binds to the EGFR Ligands HB-EGF and EGF, Acting Synergistically with EGF to Promote ERK Signaling and Neuritogenesis. <i>Molecular Neurobiology</i> , 2021 , 58, 668-688	6.2	4
29	IL-8 and MCP-1 Impact on Tau Phosphorylation and Phosphatase Activity. <i>Current Alzheimer Research</i> , 2020 , 17, 985-1000	3	4
28	CD81 Promotes a Migratory Phenotype in Neuronal-Like Cells. <i>Microscopy and Microanalysis</i> , 2019 , 25, 229-235	0.5	3
27	Alzheimer's disease-related amyloid-β-peptide induces the loss of human sperm function. <i>Cell and Tissue Research</i> , 2017 , 369, 647-651	4.2	3
26	Fourier-Transform Infrared Spectroscopy as a Discriminatory Tool for Myotonic Dystrophy Type 1 Metabolism: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	3
25	DYT1 dystonia-associated mutant affects cytoskeletal dynamics. <i>Microscopy and Microanalysis</i> , 2015 , 21, 26-27	0.5	2
24	APP Phosphorylation at S655 Correlates with F-actin Cytoskeleton Dynamics Relevance in Neuronal Differentiation. <i>Microscopy and Microanalysis</i> , 2012 , 18, 57-58	0.5	2
23	Aβ Induces Abnormal Cytoskeletal Dynamics which are Reversible Upon Peptide Removal. <i>Microscopy and Microanalysis</i> , 2012 , 18, 23-24	0.5	2

22	Immunolocalization of PPP1C Isoforms in SH-SY5Y Cells During the Cell Cycle. <i>Microscopy and Microanalysis</i> , 2012 , 18, 41-42	0.5	2
21	Inhibition of protein phosphatase 1 decreases PTH secretion from isolated dispersed parathyroid cells. <i>Molecular and Cellular Endocrinology</i> , 1999 , 154, 171-7	4.4	2
20	CONHECIMENTO DOS MDICOS RELATIVO  PRESCRI O DE ANTIBITICOS E  RESISTNCIA MICROBIANA: ESTUDO PILOTO DE COMPARA O DE QUESTIONRIO ONLINE VS PAPEL. <i>Revista De Epidemiologia E Controle De Infeco</i> , 2014 , 3, 93	1	2
19	TorsinA Is Functionally Associated with Spermatogenesis. <i>Microscopy and Microanalysis</i> , 2019 , 25, 221-228.5	2	2
18	Novel Exosome Biomarker Candidates for Alzheimer’s Disease Unravalled Through Mass Spectrometry Analysis.. <i>Molecular Neurobiology</i> , 2022 , 1	6.2	2
17	A Bioinformatics Approach Toward Unravelling the Synaptic Molecular Crosstalk Between Alzheimer’s Disease and Diabetes.. <i>Journal of Alzheimer’s Disease</i> , 2022 ,	4.3	2
16	Synphilin-1A is a phosphoprotein phosphatase 1-interacting protein and affects PPP1 sorting to subcellular compartments. <i>Journal of Molecular Neuroscience</i> , 2015 , 55, 385-95	3.3	1
15	APP and its secreted fragment sAPP in SH-SY5Y neuronal-like migration. <i>Microscopy and Microanalysis</i> , 2015 , 21, 36-37	0.5	1
14	The effect of AL and PKC on actin network remodelling. <i>Microscopy and Microanalysis</i> , 2015 , 21, 34-35	0.5	1
13	NeuronRead, an open source semi-automated tool for morphometric analysis of phase contrast and fluorescence neuronal images. <i>Molecular and Cellular Neurosciences</i> , 2017 , 85, 57-69	4.8	1
12	Subcellular Localization of a Novel Alternative Splicing of IIG9 and Colocalization with PPP1gamma Isoforms. <i>Microscopy and Microanalysis</i> , 2008 , 14, 141-143	0.5	1
11	Two isoforms of the catalytic subunit of protein phosphatase 2A identified by cDNA cloning are the products of separate genes. <i>Biochemical Society Transactions</i> , 1989 , 17, 196-197	5.1	1
10	Revisiting APP secretases: an overview on the holistic effects of retinoic acid receptor stimulation in APP processing.. <i>Cellular and Molecular Life Sciences</i> , 2022 , 79, 101	10.3	1
9	Nuclear Envelope Alterations in Myotonic Dystrophy Type 1 Patient-Derived Fibroblasts.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
8	APP binds to the EGFR ligands HB-EGF and EGF, acting synergistically with EGF to promote ERK signaling and neuritogenesis		1
7	The role of the integral type II transmembrane protein BRI2 in health and disease. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 6807-6822	10.3	1
6	Proteostasis Response to Protein Misfolding in Controlled Hypertension. <i>Cells</i> , 2022 , 11, 1686	7.9	0
5	Lipid profiles of extracellular vesicles are distinct for Alzheimer’s disease cases. <i>Alzheimer’s and Dementia</i> , 2020 , 16, e043980	1.2	

- 4 Lifestyle influences human sperm functional quality. *Asian Pacific Journal of Reproduction*, **2012**, 1, 224-230
- 3 Colocalization Analysis of PPP1 Isoforms and Two Novel Targeting Subunits in Breast Carcinoma. *Microscopy and Microanalysis*, **2008**, 14, 134-136 0.5
- 2 Torsin 1A Interacting Protein 1 **2016**, 1-10
- 1 Amyloid Precursor Protein Sorting and Processing: Transmitters, Hormones, and Protein Phosphorylation Mechanisms. *Research and Perspectives in Alzheimer's Disease*, **2009**, 1-9