

# Mario Salmona

## List of Publications by Year in descending order

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397  
papers

17,684  
citations

14614

66  
h-index

22102

113  
g-index

403  
all docs

403  
docs citations

403  
times ranked

18139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurotoxicity of a prion protein fragment. <i>Nature</i> , 1993, 362, 543-546.	13.7	935
2	Identification by redox proteomics of glutathionylated proteins in oxidatively stressed human T lymphocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3505-3510.	3.3	536
3	Synthetic amyloid- $\beta^2$ oligomers impair long-term memory independently of cellular prion protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 2295-2300.	3.3	435
4	A Recessive Mutation in the APP Gene with Dominant-Negative Effect on Amyloidogenesis. <i>Science</i> , 2009, 323, 1473-1477.	6.0	357
5	Apoptosis mediated neurotoxicity induced by chronic application of $\beta^2$ amyloid fragment 25-35. <i>NeuroReport</i> , 1993, 4, 523-526.	0.6	355
6	Multimer Formation and Ligand Recognition by the Long Pentraxin PTX3. <i>Journal of Biological Chemistry</i> , 1997, 272, 32817-32823.	1.6	353
7	Glutathionylation of human thioredoxin: A possible crosstalk between the glutathione and thioredoxin systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9745-9749.	3.3	325
8	CtBP/BARS induces fission of Golgi membranes by acylating lysophosphatidic acid. <i>Nature</i> , 1999, 402, 429-433.	13.7	314
9	Inhibition of Monocyte Chemotactic Protein-1 Synthesis by Statins. <i>Laboratory Investigation</i> , 2000, 80, 1095-1100.	1.7	282
10	The SIRT1 activator resveratrol protects SK-N-BE cells from oxidative stress and against toxicity caused by $\beta^2$ synuclein or amyloid- $\beta^2$ (1-42) peptide. <i>Journal of Neurochemistry</i> , 2009, 110, 1445-1456.	2.1	241
11	Molecular Characteristics of a Protease-Resistant, Amyloidogenic and Neurotoxic Peptide Homologous to Residues 106-126 of the Prion Protein. <i>Biochemical and Biophysical Research Communications</i> , 1993, 194, 1380-1386.	1.0	212
12	Anti-amyloidogenic activity of tetracyclines: studies in vitro. <i>FEBS Letters</i> , 2001, 487, 404-407.	1.3	205
13	In Vivo Anti-Inflammatory Effect of Statins Is Mediated by Nonsterol Mevalonate Products. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1327-1332.	1.1	203
14	Curcumin-decorated nanoliposomes with very high affinity for amyloid- $\beta^2$ 1-42 peptide. <i>Biomaterials</i> , 2011, 32, 1635-1645.	5.7	198
15	Evaluation of Quinacrine Treatment for Prion Diseases. <i>Journal of Virology</i> , 2003, 77, 8462-8469.	1.5	190
16	Lipid-based nanoparticles with high binding affinity for amyloid- $\beta^2$ 1-42 peptide. <i>Biomaterials</i> , 2010, 31, 6519-6529.	5.7	190
17	Tetracyclines affect prion infectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10849-10854.	3.3	184
18	Effectiveness of Anthracycline Against Experimental Prion Disease in Syrian Hamsters. <i>Science</i> , 1997, 276, 1119-1121.	6.0	168

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19	Protein Nitration in a Mouse Model of Familial Amyotrophic Lateral Sclerosis. <i>Journal of Biological Chemistry</i> , 2005, 280, 16295-16304.	1.6	168
20	Doxycycline in Creutzfeldt-Jakob disease: a phase 2, randomised, double-blind, placebo-controlled trial. <i>Lancet Neurology</i> , The, 2014, 13, 150-158.	4.9	157
21	Tetracycline affects abnormal properties of synthetic PrP peptides and PrPSc in vitro <sup>11</sup> Edited by J. Karn. <i>Journal of Molecular Biology</i> , 2000, 300, 1309-1322.	2.0	155
22	Safety and Toxicology of Magnolol and Honokiol. <i>Planta Medica</i> , 2018, 84, 1151-1164.	0.7	151
23	Functionalization of liposomes with ApoE-derived peptides at different density affects cellular uptake and drug transport across a blood-brain barrier model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 551-559.	1.7	149
24	Multifunctional Liposomes Reduce Brain $\beta$ -Amyloid Burden and Ameliorate Memory Impairment in Alzheimer's Disease Mouse Models. <i>Journal of Neuroscience</i> , 2014, 34, 14022-14031.	1.7	141
25	JNK regulates APP cleavage and degradation in a model of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2009, 33, 518-525.	2.1	134
26	Influence of Size and Shape on the Anatomical Distribution of Endotoxin-Free Gold Nanoparticles. <i>ACS Nano</i> , 2017, 11, 5519-5529.	7.3	131
27	Colloidal stability of polymeric nanoparticles in biological fluids. <i>Journal of Nanoparticle Research</i> , 2012, 14, 920.	0.8	126
28	Squalestatin Cures Prion-infected Neurons and Protects Against Prion Neurotoxicity. <i>Journal of Biological Chemistry</i> , 2004, 279, 14983-14990.	1.6	124
29	Toll-like receptor 4-dependent glial cell activation mediates the impairment in memory establishment induced by $\beta$ -amyloid oligomers in an acute mouse model of Alzheimer's disease. <i>Brain, Behavior, and Immunity</i> , 2017, 60, 188-197.	2.0	123
30	A <i>Caenorhabditis elegans</i> -based assay recognizes immunoglobulin light chains causing heart amyloidosis. <i>Blood</i> , 2014, 123, 3543-3552.	0.6	122
31	A 7-kDa Prion Protein (PrP) Fragment, an Integral Component of the PrP Region Required for Infectivity, Is the Major Amyloid Protein in Gerstmann-StrÄussler-Scheinker Disease A117V. <i>Journal of Biological Chemistry</i> , 2001, 276, 6009-6015.	1.6	119
32	Oleuropein Aglycone Protects Transgenic <i>C. elegans</i> Strains Expressing A $\beta$ <sup>242</sup> by Reducing Plaque Load and Motor Deficit. <i>PLoS ONE</i> , 2013, 8, e58893.	1.1	116
33	Induction of apoptosis in human leukemic cells by the ether lipid 1-octadecyl-2-methyl-RAC-glycero-3-phosphocholine. A possible basis for its selective action. <i>International Journal of Cancer</i> , 1993, 53, 124-130.	2.3	112
34	A Neurotoxic Prion Protein Fragment Induces Rat Astroglial Proliferation and Hypertrophy. <i>European Journal of Neuroscience</i> , 1994, 6, 1415-1422.	1.2	112
35	Blood protein coating of gold nanoparticles as potential tool for organ targeting. <i>Biomaterials</i> , 2014, 35, 3455-3466.	5.7	111
36	Neuroprotective effects of the Sigma-1 receptor (S1R) agonist PRE-084, in a mouse model of motor neuron disease not linked to SOD1 mutation. <i>Neurobiology of Disease</i> , 2014, 62, 218-232.	2.1	110

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37	Microglial cells respond to amyloidogenic PrP peptide by the production of inflammatory cytokines. <i>NeuroReport</i> , 1999, 10, 723-729.	0.6	109
38	Tetracycline and its analogues protect <i>Caenorhabditis elegans</i> from $\beta$ 2 amyloid-induced toxicity by targeting oligomers. <i>Neurobiology of Disease</i> , 2010, 40, 424-431.	2.1	102
39	Activation of microglial cells by PrP and $\beta$ 2-amyloid fragments raises intracellular calcium through L-type voltage sensitive calcium channels. <i>Brain Research</i> , 1999, 818, 168-170.	1.1	101
40	Characterization of Detergent-Insoluble Proteins in ALS Indicates a Causal Link between Nitritative Stress and Aggregation in Pathogenesis. <i>PLoS ONE</i> , 2009, 4, e8130.	1.1	101
41	Molecular determinants of the physicochemical properties of a critical prion protein region comprising residues 106-126. <i>Biochemical Journal</i> , 1999, 342, 207-214.	1.7	100
42	Membrane fluidity affects tumor-cell motility, invasion and lung-colonizing potential. <i>International Journal of Cancer</i> , 1989, 44, 707-713.	2.3	99
43	Clusterin Binds to $A\beta$ 1-42 Oligomers with High Affinity and Interferes with Peptide Aggregation by Inhibiting Primary and Secondary Nucleation. <i>Journal of Biological Chemistry</i> , 2016, 291, 6958-6966.	1.6	99
44	Purification, cDNA Cloning, and Tissue Distribution of Bovine Liver Aldehyde Oxidase. <i>Journal of Biological Chemistry</i> , 1995, 270, 31037-31045.	1.6	96
45	The Efficacy of Tetracyclines in Peripheral and Intracerebral Prion Infection. <i>PLoS ONE</i> , 2008, 3, e1888.	1.1	94
46	Molecular Cloning and Functional Characterization of Brefeldin A-ADP-ribosylated Substrate. <i>Journal of Biological Chemistry</i> , 1999, 274, 17705-17710.	1.6	92
47	Functionalization with ApoE-derived peptides enhances the interaction with brain capillary endothelial cells of nanoliposomes binding amyloid-beta peptide. <i>Journal of Biotechnology</i> , 2011, 156, 341-346.	1.9	92
48	A soluble form of prion protein in human cerebrospinal fluid: Implications for prion-related encephalopathies. <i>Biochemical and Biophysical Research Communications</i> , 1992, 184, 1398-1404.	1.0	90
49	Phosphatidic Acid and Lysophosphatidic Acid Induce Haptotactic Migration of Human Monocytes. <i>Journal of Biological Chemistry</i> , 1995, 270, 25549-25556.	1.6	90
50	Apoptosis-mediated neurotoxicity induced by $\beta$ 2-amyloid and PRP fragments. <i>Molecular and Chemical Neuropathology</i> , 1996, 28, 163-171.	1.0	90
51	Huprine-Tacrine Heterodimers as Anti-Amyloidogenic Compounds of Potential Interest against Alzheimer's and Prion Diseases. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 661-669.	2.9	90
52	c-Jun N-terminal kinase has a key role in Alzheimer disease synaptic dysfunction in vivo. <i>Cell Death and Disease</i> , 2014, 5, e1019-e1019.	2.7	88
53	Effect of Tetracyclines on the Dynamics of Formation and Deconstruction of $\beta$ 2-Microglobulin Amyloid Fibrils. <i>Journal of Biological Chemistry</i> , 2011, 286, 2121-2131.	1.6	87
54	Insoluble Mutant SOD1 Is Partly Oligoubiquitinated in Amyotrophic Lateral Sclerosis Mice. <i>Journal of Biological Chemistry</i> , 2006, 281, 33325-33335.	1.6	86

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55	Enhanced xanthine oxidase activity in mice treated with interferon and interferon inducers. <i>Biochemical and Biophysical Research Communications</i> , 1984, 119, 144-149.	1.0	83
56	A portable optical-fibre-based surface plasmon resonance biosensor for the detection of therapeutic antibodies in human serum. <i>Scientific Reports</i> , 2020, 10, 11154.	1.6	82
57	Intracellular Calcium Rise through L-Type Calcium Channels, as Molecular Mechanism for Prion Protein Fragment 106-126-Induced Astroglial Proliferation. <i>Biochemical and Biophysical Research Communications</i> , 1996, 228, 397-405.	1.0	76
58	The binding affinity of anti-A $\beta$ <sup>21-42</sup> Ab-decorated nanoliposomes to A $\beta$ <sup>21-42</sup> peptides in vitro and to amyloid deposits in post-mortem tissue. <i>Biomaterials</i> , 2011, 32, 5489-5497.	5.7	76
59	A New Face for Old Antibiotics: Tetracyclines in Treatment of Amyloidoses. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 5987-6006.	2.9	76
60	Structural Properties of Gerstmann-StrÅussler-Scheinker Disease Amyloid Protein. <i>Journal of Biological Chemistry</i> , 2003, 278, 48146-48153.	1.6	75
61	Prion protein fragment 106-126 induces apoptotic cell death and impairment of L-type voltage-sensitive calcium channel activity in the GH3 cell line. , 1998, 54, 341-352.		73
62	Ginkgolide B inhibits the neurotoxicity of prions or amyloid-beta1-42. <i>Journal of Neuroinflammation</i> , 2004, 1, 4.	3.1	73
63	Proteomic analysis of spinal cord of presymptomatic amyotrophic lateral sclerosis G93A SOD1 mouse. <i>Biochemical and Biophysical Research Communications</i> , 2007, 353, 719-725.	1.0	72
64	Organ Distribution and Bone Tropism of Cellulose Nanocrystals in Living Mice. <i>Biomacromolecules</i> , 2015, 16, 2862-2871.	2.6	72
65	Inhibition of A $\beta$ <sup>2</sup> Amyloid Growth and Toxicity by Silybins: The Crucial Role of Stereochemistry. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1767-1778.	1.7	72
66	Longitudinal Amyloid Imaging in Mouse Brain with <sup>11</sup> C-PIB: Comparison of APP23, Tg2576, and APP <sup>swe</sup> -PS1 <sup>dE9</sup> Mouse Models of Alzheimer Disease. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1434-1441.	2.8	71
67	Carrageenan-induced acute inflammation in the mouse air pouch synovial model. Role of tumour necrosis factor. <i>Mediators of Inflammation</i> , 1997, 6, 32-38.	1.4	70
68	[[[(Arylpiperaziny)alkyl]thio]thieno[2,3-d]pyrimidinone Derivatives as High-Affinity, Selective 5-HT1A Receptor Ligands. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 574-585.	2.9	67
69	Decreased half life of cyclophosphamide in patients under continual treatment. <i>European Journal of Cancer</i> , 1979, 15, 7-10.	1.0	65
70	Apoptotic Cell Death and Impairment of L-Type Voltage-Sensitive Calcium Channel Activity in Rat Cerebellar Granule Cells Treated with the Prion Protein Fragment 106-126. <i>Neurobiology of Disease</i> , 2000, 7, 299-309.	2.1	64
71	Blood-Brain Barrier Alterations in the Cerebral Cortex in Experimental Autoimmune Encephalomyelitis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2012, 71, 840-854.	0.9	64
72	A specific gas chromatographic method for the determination of microsomal styrene monooxygenase and styrene epoxide hydratase activities. <i>Journal of Chromatography A</i> , 1976, 118, 387-393.	1.8	61

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73	Neuropathology of the recessive A673V APP mutation: Alzheimer disease with distinctive features. <i>Acta Neuropathologica</i> , 2010, 120, 803-812.	3.9	61
74	A Neurotoxic and Gliotrophic Fragment of the Prion Protein Increases Plasma Membrane Microviscosity. <i>Neurobiology of Disease</i> , 1997, 4, 47-57.	2.1	60
75	Cloning of the cDNAs Coding for Two Novel Molybdo-flavoproteins Showing High Similarity with Aldehyde Oxidase and Xanthine Oxidoreductase. <i>Journal of Biological Chemistry</i> , 2000, 275, 30690-30700.	1.6	60
76	The Stimulation of Inducible Nitric-oxide Synthase by the Prion Protein Fragment 106-126 in Human Microglia Is Tumor Necrosis Factor- $\alpha$ -dependent and Involves p38 Mitogen-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2001, 276, 25692-25696.	1.6	60
77	Hepatic and extrahepatic formation and hydration of styrene oxide in vitro in animals of different species and sex. <i>Toxicology Letters</i> , 1978, 2, 179-186.	0.4	59
78	Tumor-derived chemotactic factor(S) from human ovarian carcinoma: Evidence for a role in the regulation of macrophage content of neoplastic tissues. <i>International Journal of Cancer</i> , 1985, 36, 167-173.	2.3	59
79	Applications of Surface Plasmon Resonance (SPR) for the Characterization of Nanoparticles Developed for Biomedical Purposes. <i>Sensors</i> , 2012, 12, 16420-16432.	2.1	59
80	Mono and Dually Decorated Nanoliposomes for Brain Targeting, In Vitro and In Vivo Studies. <i>Pharmaceutical Research</i> , 2014, 31, 1275-1289.	1.7	59
81	Intracellular mechanisms mediating the neuronal death and astrogliosis induced by the prion protein fragment 106-126. <i>International Journal of Developmental Neuroscience</i> , 2000, 18, 481-492.	0.7	56
82	The Aldehyde Oxidase Gene Cluster in Mice and Rats. <i>Journal of Biological Chemistry</i> , 2004, 279, 50482-50498.	1.6	56
83	Conformational Plasticity of the Gerstmann-Strussler-Scheinker Disease Peptide as Indicated by Its Multiple Aggregation Pathways. <i>Journal of Molecular Biology</i> , 2008, 381, 1349-1361.	2.0	56
84	Chemotactic activity for mononuclear phagocytes of culture supernatants from murine and human tumor cells: Evidence for a role in the regulation of the macrophage content of neoplastic tissues. <i>International Journal of Cancer</i> , 1983, 31, 55-63.	2.3	55
85	Role of cell cholesterol in modulating antineoplastic ether lipid uptake, membrane effects and cytotoxicity. <i>International Journal of Cancer</i> , 1990, 46, 341-346.	2.3	55
86	Aging and food restriction: Effect on lipids of cerebral cortex. <i>Neurobiology of Aging</i> , 1991, 12, 55-59.	1.5	55
87	The neurotoxicity of prion protein (PrP) peptide 106-126 is independent of the expression level of PrP and is not mediated by abnormal PrP species. <i>Molecular and Cellular Neurosciences</i> , 2005, 28, 165-176.	1.0	55
88	Amyloid in alzheimer's disease and prion-related encephalopathies: Studies with synthetic peptides. <i>Progress in Neurobiology</i> , 1996, 49, 287-315.	2.8	54
89	The Peculiar Role of the A2V Mutation in Amyloid- $\beta$ (A $\beta$ ) 1-42 Molecular Assembly. <i>Journal of Biological Chemistry</i> , 2014, 289, 24143-24152.	1.6	54
90	Channels formed with a mutant prion protein PrP(82-146) homologous to a 7-kDa fragment in diseased brain of GSS patients. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 285, C862-C872.	2.1	53

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91	A Surface Plasmon Resonance-based assay to measure serum concentrations of therapeutic antibodies and anti-drug antibodies. <i>Scientific Reports</i> , 2019, 9, 2064.	1.6	53
92	Tetracycline prevents A $\beta$ oligomer toxicity through an atypical supramolecular interaction. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 463-472.	1.5	52
93	Specific Recognition of Biologically Active Amyloid- $\beta$ Oligomers by a New Surface Plasmon Resonance-based Immunoassay and an in Vivo Assay in <i>Caenorhabditis elegans</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 27796-27805.	1.6	52
94	Doxycycline counteracts neuroinflammation restoring memory in Alzheimer's disease mouse models. <i>Neurobiology of Aging</i> , 2018, 70, 128-139.	1.5	52
95	Uptake of <sup>14</sup> C-5-hydroxytryptamine by human and rat platelets and its pharmacological inhibition. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1976, 296, 59-65.	1.4	51
96	Role of Surfactant in Chronic Obstructive Pulmonary Disease: Therapeutic Implications. <i>Respiration</i> , 1992, 59, 28-32.	1.2	50
97	New Method Based on Capillary Electrophoresis with Laser-Induced Fluorescence Detection (CE-LIF) to Monitor Interaction between Nanoparticles and the Amyloid- $\beta$ Peptide. <i>Analytical Chemistry</i> , 2010, 82, 10083-10089.	3.2	50
98	Activation effects of a prion protein fragment [PrP-(106-126)] on human leucocytes. <i>Biochemical Journal</i> , 1996, 320, 563-570.	1.7	49
99	Tetracyclines and Prion Infectivity. <i>Infectious Disorders - Drug Targets</i> , 2009, 9, 23-30.	0.4	48
100	NMR-driven identification of anti-amyloidogenic compounds in green and roasted coffee extracts. <i>Food Chemistry</i> , 2018, 252, 171-180.	4.2	47
101	Dexamethasone Conjugation to Biodegradable Avidin-Nucleic-Acid-Nano-Assemblies Promotes Selective Liver Targeting and Improves Therapeutic Efficacy in an Autoimmune Hepatitis Murine Model. <i>ACS Nano</i> , 2019, 13, 4410-4423.	7.3	47
102	Targeting Dopamine D3 and Serotonin 5-HT1A and 5-HT2A Receptors for Developing Effective Antipsychotics: Synthesis, Biological Characterization, and Behavioral Studies. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9578-9597.	2.9	46
103	The hunt for brain A $\beta$ oligomers by peripherally circulating multi-functional nanoparticles: Potential therapeutic approach for Alzheimer disease. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 43-52.	1.7	46
104	Plasma and Brain Concentrations of Doxycycline after Single and Repeated Doses in Wild-Type and APP23 Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 368, 32-40.	1.3	46
105	Role of Nrf2, HO-1 and GSH in Neuroblastoma Cell Resistance to Bortezomib. <i>PLoS ONE</i> , 2016, 11, e0152465.	1.1	45
106	Pyrroloquinoxaline hydrazones as fluorescent probes for amyloid fibrils. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5137.	1.5	44
107	Microsomal Styrene Mono-oxygenase and Styrene Epoxide Hydrase Activities in Rats. <i>Xenobiotica</i> , 1976, 6, 585-591.	0.5	43
108	The induction of apoptosis is a common feature of the cytotoxic action of ether-linked glycerophospholipids in human leukemic cells. <i>International Journal of Cancer</i> , 1994, 57, 645-649.	2.3	43



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109	Purification of the Aldehyde Oxidase Homolog 1 (AOH1) Protein and Cloning of the AOH1 and Aldehyde Oxidase Homolog 2 (AOH2) Genes. <i>Journal of Biological Chemistry</i> , 2001, 276, 46347-46363.	1.6	43
110	Redox regulation of cyclophilin A by glutathionylation. <i>Proteomics</i> , 2006, 6, 817-825.	1.3	43
111	Spectroscopic and binding studies on the interaction of inorganic anions with lactoperoxidase. <i>Journal of Inorganic Biochemistry</i> , 1997, 68, 17-26.	1.5	42
112	Studies on peptide fragments of prion proteins. <i>Advances in Protein Chemistry</i> , 2001, 57, 171-201.	4.4	42
113	Localization and age-dependent expression of the inward rectifier K <sup>+</sup> channel subunit Kir 5.1 in a mammalian reproductive system. <i>FEBS Letters</i> , 1999, 449, 146-152.	1.3	41
114	Porphyrogenic effect of chronic treatment with 2,3,7,8-tetrachlorodibenzo-p-dioxin in female rats. Dose-effect relationship following urinary excretion of porphyrins. <i>Toxicology and Applied Pharmacology</i> , 1981, 57, 156-163.	1.3	40
115	cis-Glyco-fused benzopyran compounds as new amyloid- $\beta^2$ peptide ligands. <i>Chemical Communications</i> , 2011, 47, 10266.	2.2	40
116	Selenoprotein N is an endoplasmic reticulum calcium sensor that links luminal calcium levels to a redox activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21288-21298.	3.3	40
117	Regulation and Biochemistry of Mouse Molybdo-flavoenzymes. <i>Journal of Biological Chemistry</i> , 2004, 279, 8668-8683.	1.6	39
118	The role of platelet activating factor in prion and amyloid- $\beta^2$ neurotoxicity. <i>NeuroReport</i> , 2004, 15, 509-513.	0.6	39
119	The Molecular Assembly of Amyloid A $\beta^2$ Controls Its Neurotoxicity and Binding to Cellular Proteins. <i>PLoS ONE</i> , 2011, 6, e24909.	1.1	39
120	$\beta^{25-35}$ Alters Calcium Homeostasis and Induces Neurotoxicity in Cerebellar Granule Cells. <i>Journal of Neurochemistry</i> , 1996, 66, 1995-2003.	2.1	38
121	Aggregation/Fibrillogenesis of Recombinant Human Prion Protein and Gerstmann-Str�ussler-Scheinker Disease Peptides in the Presence of Metal Ions. <i>Biochemistry</i> , 2006, 45, 6724-6732.	1.2	38
122	A modified protocol to prepare seed-free starting solutions of amyloid- $\beta^2$ (A $\beta^2$ ) $_{1-40}$ and A $\beta^2$ $_{1-42}$ from the corresponding depsiptides. <i>Analytical Biochemistry</i> , 2011, 411, 297-299.	1.1	38
123	Natural Compounds against Neurodegenerative Diseases: Molecular Characterization of the Interaction of Catechins from Green Tea with A $\beta^2$ $_{1-42}$ , PrP106 $^{\Delta}$ 126, and Ataxin $\Delta$ 3 Oligomers. <i>Chemistry - A European Journal</i> , 2014, 20, 13793-13800.	1.7	38
124	Cardiac Light Chain Amyloidosis: The Role of Metal Ions in Oxidative Stress and Mitochondrial Damage. <i>Antioxidants and Redox Signaling</i> , 2017, 27, 567-582.	2.5	38
125	Clusterin (SGP-2) Induction in Rat Astroglial Cells Exposed to Prion Protein Fragment 106-126. <i>European Journal of Neuroscience</i> , 1996, 8, 589-597.	1.2	37
126	c-Jun N-terminal kinase binding domain $\Delta$ -dependent phosphorylation of mitogen-activated protein kinase kinase 4 and mitogen-activated protein kinase kinase 7 and balancing cross-talk between c-Jun N-terminal kinase and extracellular signal-regulated kinase pathways in cortical neurons. <i>Neuroscience</i> , 2009, 159, 94-103.	1.1	37



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127	Molecular determinants of the physicochemical properties of a critical prion protein region comprising residues 106–126. <i>Biochemical Journal</i> , 1999, 342, 207.	1.7	36
128	Overcoming synthetic A $\beta$ peptide aging: a new approach to an age-old problem. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2009, 16, 71-80.	1.4	36
129	Use of surface plasmon resonance to study the elongation kinetics and the binding properties of the highly amyloidogenic A $\beta$ <sup>21-42</sup> peptide, synthesized by depsi-peptide technique. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2772-2775.	5.3	36
130	<i>In Vivo</i> Fate of Avidin-Nucleic Acid Nanoassemblies as Multifunctional Diagnostic Tools. <i>ACS Nano</i> , 2014, 8, 175-187.	7.3	36
131	Different mutations at V363 MAPT codon are associated with atypical clinical phenotypes and show unusual structural and functional features. <i>Neurobiology of Aging</i> , 2014, 35, 408-417.	1.5	36
132	A theoretical three-dimensional model for lactoperoxidase and eosinophil peroxidase, built on the scaffold of the myeloperoxidase X-ray structure. <i>Journal of Biological Inorganic Chemistry</i> , 1996, 1, 476-485.	1.1	35
133	Conformational Polymorphism of the PrP106–126 Peptide in Different Environments: A Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1423-1428.	1.2	35
134	Neurotoxic and Gliotrophic Activity of a Synthetic Peptide Homologous to Gerstmann-Straussler-Scheinker Disease Amyloid Protein. <i>Journal of Neuroscience</i> , 2007, 27, 1576-1583.	1.7	35
135	Mutant Prion Protein Expression Is Associated with an Alteration of the Rab GDP Dissociation Inhibitor (GDI)/Rab11 Pathway. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 611-622.	2.5	35
136	Amidation of A $\beta$ -Amyloid Peptide Strongly Reduced the Amyloidogenic Activity Without Alteration of the Neurotoxicity. <i>Journal of Neurochemistry</i> , 2002, 69, 2048-2054.	2.1	34
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