

# Raquel Marin

## List of Publications by Year in descending order

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83  
papers

3,251  
citations

126907

33  
h-index

155660

55  
g-index

87  
all docs

87  
docs citations

87  
times ranked

3573  
citing authors

#	ARTICLE	IF	CITATIONS
1	Severe Alterations in Lipid Composition of Frontal Cortex Lipid Rafts from Parkinson's Disease and Incidental Parkinson's Disease. <i>Molecular Medicine</i> , 2011, 17, 1107-1118.	4.4	308
2	Lipid Alterations in Lipid Rafts from Alzheimer's Disease Human Brain Cortex. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 489-502.	2.6	235
3	Influence of the ratio in rotifers on gilthead seabream ( <i>Sparus aurata</i> ) larval development. <i>Aquaculture</i> , 1997, 150, 77-89.	3.5	128
4	Altered lipid composition in cortical lipid rafts occurs at early stages of sporadic Alzheimer's disease and facilitates APP/BACE1 interactions. <i>Neurobiology of Aging</i> , 2014, 35, 1801-1812.	3.1	116
5	Androgen-Dependent Nitric Oxide Release in Rat Penis Correlates with Levels of Constitutive Nitric Oxide Synthase Isoenzymes1. <i>Biology of Reproduction</i> , 1999, 61, 1012-1016.	2.7	109
6	Lipid and Lipid Raft Alteration in Aging and Neurodegenerative Diseases: A Window for the Development of New Biomarkers. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3810.	4.1	108
7	Regulation of heat shock gene induction and expression during <i>Drosophila</i> development. <i>Cellular and Molecular Life Sciences</i> , 1997, 53, 104-113.	5.4	106
8	Plasma membrane oestrogen receptor mediates neuroprotection against $\beta$ -amyloid toxicity through activation of Raf-1/MEK/ERK cascade in septal-derived cholinergic SN56 cells. <i>Journal of Neurochemistry</i> , 2004, 91, 99-109.	3.9	84
9	VDAC and ERK interaction in caveolae from human cortex is altered in Alzheimer's disease. <i>Molecular and Cellular Neurosciences</i> , 2009, 42, 172-183.	2.2	83
10	Voltage-dependent anion channel (VDAC) participates in amyloid beta-induced toxicity and interacts with plasma membrane estrogen receptor $\alpha$ in septal and hippocampal neurons. <i>Molecular Membrane Biology</i> , 2007, 24, 148-160.	2.0	82
11	Estrogen Activates Classical and Alternative Mechanisms to Orchestrate Neuroprotection. <i>Current Neurovascular Research</i> , 2005, 2, 287-301.	1.1	72
12	Localization of Heat Shock Proteins in Mouse Male Germ Cells: An Immunoelectron Microscopical Study. <i>Experimental Cell Research</i> , 1996, 229, 77-85.	2.6	71
13	Evidence for Premature Lipid Raft Aging in APP/PS1 Double-Transgenic Mice, a Model of Familial Alzheimer Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2012, 71, 868-881.	1.7	69
14	Changes in Mating Behavior, Erectile Function, and Nitric Oxide Levels in Penile Corpora Cavernosa in Streptozotocin-Diabetic Rats1. <i>Biology of Reproduction</i> , 2002, 66, 185-189.	2.7	68
15	Biophysical Alterations in Lipid Rafts from Human Cerebral Cortex Associate with Increased BACE1/A $\beta$ PP Interaction in Early Stages of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 1185-1198.	2.6	65
16	hsp23 and hsp26 exhibit distinct spatial and temporal patterns of constitutive expression in <i>Drosophila</i> adults. <i>Genesis</i> , 1993, 14, 69-77.	2.1	64
17	Lipid raft aging in the human frontal cortex during nonpathological aging: gender influences and potential implications in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2018, 67, 42-52.	3.1	64
18	Estradiol prevents amyloid- $\beta$ peptide-induced cell death in a cholinergic cell line via modulation of a classical estrogen receptor. <i>Neuroscience</i> , 2003, 121, 917-926.	2.3	62

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19	Role of estrogen receptor $\alpha$ in membrane-initiated signaling in neural cells: Interaction with IGF-1 receptor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 114, 2-7.	2.5	60
20	REPEATED PGE1 TREATMENT ENHANCES NITRIC OXIDE AND ERECTION RESPONSES TO NERVE STIMULATION IN THE RAT PENIS BY UPREGULATING CONSTITUTIVE NOS ISOFORMS. <i>Journal of Urology</i> , 1999, 162, 2205-2210.	0.4	52
21	An oestrogen membrane receptor participates in estradiol actions for the prevention of amyloid- $\beta$ peptide 1-40-induced toxicity in septal-derived cholinergic SN56 cells. <i>Journal of Neurochemistry</i> , 2003, 85, 1180-1189.	3.9	50
22	Human articular chondrocytes, synoviocytes and synovial microvessels express aquaporin water channels; upregulation of AQP1 in rheumatoid arthritis. <i>Histology and Histopathology</i> , 2004, 19, 435-44.	0.7	50
23	Anomalies occurring in lipid profiles and protein distribution in frontal cortex lipid rafts in dementia with Lewy bodies disclose neurochemical traits partially shared by Alzheimer's and Parkinson's diseases. <i>Neurobiology of Aging</i> , 2017, 49, 52-59.	3.1	48
24	Stage-specific localization of the small heat shock protein Hsp27 during oogenesis in <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 1996, 105, 142-149.	2.2	47
25	Lipid raft disarrangement as a result of neuropathological progresses: A novel strategy for early diagnosis?. <i>Neuroscience</i> , 2013, 245, 26-39.	2.3	47
26	Estrogen Interactions With Lipid Rafts Related to Neuroprotection. Impact of Brain Ageing and Menopause. <i>Frontiers in Neuroscience</i> , 2018, 12, 128.	2.8	46
27	Estradiol modulates acetylcholine-induced $Ca^{2+}$ signals in LHRH-releasing GT1-7 cells through a membrane binding site. <i>European Journal of Neuroscience</i> , 2003, 18, 2505-2514.	2.6	43
28	Role of the Sex Hormone Estrogen in the Prevention of Lipid Disorder. <i>Current Medicinal Chemistry</i> , 2014, 21, 2734-2742.	2.4	43
29	Voltage-dependent anion channel as a resident protein of lipid rafts: post-transductional regulation by estrogens and involvement in neuronal preservation against Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2011, 116, 820-827.	3.9	41
30	DHA and Its Elaborated Modulation of Antioxidant Defenses of the Brain: Implications in Aging and AD Neurodegeneration. <i>Antioxidants</i> , 2021, 10, 907.	5.1	39
31	$\beta$ promotes VDAC1 channel dephosphorylation in neuronal lipid rafts. Relevance to the mechanisms of neurotoxicity in Alzheimer's disease. <i>Neuroscience</i> , 2014, 278, 354-366.	2.3	38
32	Modulation of $\beta$ -induced neurotoxicity by estrogen receptor alpha and other associated proteins in lipid rafts. <i>Steroids</i> , 2008, 73, 992-996.	1.8	37
33	Addition of docosahexaenoic acid, but not arachidonic acid, activates glutathione and thioredoxin antioxidant systems in murine hippocampal HT22 cells: potential implications in neuroprotection. <i>Journal of Neurochemistry</i> , 2014, 131, 470-483.	3.9	37
34	Differential Aggregation and Phosphorylation of Alpha Synuclein in Membrane Compartments Associated With Parkinson Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 382.	2.8	34
35	Molecular Identification of Onchocerciasis Vector Sibling Species in Black Flies (Diptera: Simuliidae). <i>Biochemical and Biophysical Research Communications</i> , 1993, 194, 628-634.	2.1	33
36	Lipid Raft Alterations in Aged-Associated Neuropathologies. <i>Current Alzheimer Research</i> , 2016, 13, 973-984.	1.4	32

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37	Lipid raft ER signalosome malfunctions in menopause and Alzheimer's disease. <i>Frontiers in Bioscience - Scholar</i> , 2017, 9, 111-126.	2.1	31
38	Genotype-induced changes in biophysical properties of frontal cortex lipid raft from APP/PS1 transgenic mice. <i>Frontiers in Physiology</i> , 2012, 3, 454.	2.8	30
39	Tissue-Specific Posttranslational Modification of the Small Heat Shock Protein HSP27 in <i>Drosophila</i> . <i>Experimental Cell Research</i> , 1996, 223, 1-8.	2.6	29
40	Estradiol and tamoxifen differentially regulate a plasmalemmal voltage-dependent anion channel involved in amyloid-beta induced neurotoxicity. <i>Steroids</i> , 2011, 76, 840-4.	1.8	29
41	Alternative estrogen receptors homologous to classical receptor $\text{ER}\alpha$ in murine neural tissues. <i>Neuroscience Letters</i> , 2006, 395, 7-11.	2.1	28
42	Androgens Induce Nongenomic Stimulation of Colonic Contractile Activity through Induction of Calcium Sensitization and Phosphorylation of LC20 and CPI-17. <i>Molecular Endocrinology</i> , 2010, 24, 1007-1023.	3.7	25
43	Characterization of basal nitric oxide production in living cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2001, 1540, 253-264.	4.1	24
44	Acute relaxation of mouse duodenum by estrogens: Evidence for an estrogen receptor-independent modulation of muscle excitability. <i>European Journal of Pharmacology</i> , 2004, 501, 161-178.	3.5	24
45	Signalosomes in the brain: relevance in the development of certain neuropathologies such as Alzheimer's disease. <i>Frontiers in Physiology</i> , 2011, 2, 23.	2.8	22
46	Estrogen modulates norepinephrine-induced accumulation of adenosine cyclic monophosphate in a subpopulation of immortalized luteinizing hormone-releasing hormone secreting neurons from the mouse hypothalamus. <i>Neuroscience Letters</i> , 2001, 298, 61-64.	2.1	21
47	Androgens Differentially Potentiate Mouse Intestinal Smooth Muscle by Nongenomic Activation of Polyamine Synthesis and Rho Kinase Activation. <i>Endocrinology</i> , 2006, 147, 5715-5729.	2.8	20
48	Oestrogens as modulators of neuronal signalosomes and brain lipid homeostasis related to protection against neurodegeneration. <i>Journal of Neuroendocrinology</i> , 2013, 25, 1104-1115.	2.6	20
49	Cell-specific heat-shock induction of Hsp23 in the eye of <i>Drosophila melanogaster</i> . <i>Cell Stress and Chaperones</i> , 1996, 1, 40.	2.9	20
50	Androgens are powerful non-genomic inducers of calcium sensitization in visceral smooth muscle. <i>Steroids</i> , 2010, 75, 533-538.	1.8	19
51	Unique SERM-like properties of the novel fluorescent tamoxifen derivative FLTX1. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 898-910.	4.3	19
52	Hippocampal Lipid Homeostasis in APP/PS1 Mice is Modulated by a Complex Interplay Between Dietary DHA and Estrogens: Relevance for Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 49, 459-481.	2.6	17
53	Estrogen receptors in lipid raft signalling complexes for neuroprotection. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 1420-1433.	1.8	17
54	Estrogen inhibition of norepinephrine responsiveness is initiated at the plasma membrane of GnRH-producing GT1-7 cells. <i>Journal of Endocrinology</i> , 2007, 194, 193-200.	2.6	16

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55	An ICI 182,780-Insensitive, Membrane-Related Estrogen Receptor Contributes to Estrogenic Neuroprotective Actions against Amyloid- $\beta$ Toxicity. <i>Annals of the New York Academy of Sciences</i> , 2003, 1007, 108-116.	3.8	14
56	Rapid modulatory effect of estradiol on acetylcholine-induced $Ca^{2+}$ signal is mediated through cyclic-GMP cascade in LHRH-releasing GT1-7 cells. <i>European Journal of Neuroscience</i> , 2005, 22, 2207-2215.	2.6	13
57	The Impact of Microbiota on the Pathogenesis of Amyotrophic Lateral Sclerosis and the Possible Benefits of Polyphenols. An Overview. <i>Metabolites</i> , 2021, 11, 120.	2.9	13
58	Simplification of antitumoral phenanthroindolizidine alkaloids: Short-synthesis of cytotoxic indolizidinone and pyrrolidine analogs. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 540-554.	5.5	12
59	Acute relaxation of mouse duodenum by estrogens. <i>European Journal of Pharmacology</i> , 2004, 501, 161-178.	3.5	11
60	Effects of Dietary n-3 LCPUFA Supplementation on the Hippocampus of Aging Female Mice: Impact on Memory, Lipid Raft-Associated Glutamatergic Receptors and Neuroinflammation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7430.	4.1	10
61	Synthesis of indolizidinone analogues of cytotoxic alkaloids: Monocyclic precursors are also active. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 3402-3407.	2.2	9
62	Ammonium inhibition of $Ca^{2+}$ -dependent inwardly rectifying $K^{+}$ currents in HeLa cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1996, 1284, 119-121.	2.6	8
63	Disarranged neuroplastin environment upon aging and chronic stress recovery in female Sprague Dawley rats. <i>European Journal of Neuroscience</i> , 2021, , .	2.6	8
64	The amount of estrogen receptor $\beta$ increases after heat shock in a cholinergic cell line from the basal forebrain. <i>Neuroscience</i> , 2001, 107, 447-454.	2.3	7
65	Functional inhibition of intestinal and uterine muscles by non-permeant triphenylethylene derivatives. <i>European Journal of Pharmacology</i> , 2006, 532, 115-127.	3.5	6
66	Estrogen receptors in lipid raft signalling complexes for neuroprotection. <i>Frontiers in Bioscience - Elite</i> , 2012, E4, 1420.	1.8	6
67	Neuronal ER-Signalosome Proteins as Early Biomarkers in Prodromal Alzheimer's Disease Independent of Amyloid- $\beta$ Production and Tau Phosphorylation. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, .	2.9	6
68	Hsp 78: A prominent heat shock protein of the lepidopteran <i>Choristoneura fumiferana</i> that is immunologically unrelated to members of the major Hsp families. <i>Archives of Insect Biochemistry and Physiology</i> , 1994, 25, 39-53.	1.5	5
69	Polyamines Transduce the Nongenomic, Androgen-Induced Calcium Sensitization in Intestinal Smooth Muscle. <i>Molecular Endocrinology</i> , 2013, 27, 1603-1616.	3.7	5
70	Colocalization of Estrogen Receptors with the Fluorescent Tamoxifen Derivative, FLT $\beta$ 1, Analyzed by Confocal Microscopy. <i>Methods in Molecular Biology</i> , 2016, 1366, 163-173.	0.9	5
71	Portable data acquisition system for EKG measurements in marine environments. <i>Computer Methods and Programs in Biomedicine</i> , 2000, 62, 145-152.	4.7	4
72	FLT $\beta$ 2: A Novel Tamoxifen Derivative Endowed with Antiestrogenic, Fluorescent, and Photosensitizer Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5339.	4.1	4

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73	Opto-chemical and laser properties of FLTX1, a novel fluorescent tamoxifen derivative, and its potential applications in breast cancer photodynamic chemotherapy. <i>Optical Materials</i> , 2018, 84, 442-446.	3.6	3
74	Lipostatic Mechanisms Preserving Cerebellar Lipids in MPTP-Treated Mice: Focus on Membrane Microdomains and Lipid-Related Gene Expression. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 93.	2.9	3
75	Lipid Rafts and Development of Alzheimer's Disease. , 0, , .		3
76	Multivariate Assessment of Lipoxidative Metabolites, Trace Biometals, and Antioxidant and Detoxifying Activities in the Cerebrospinal Fluid Define a Fingerprint of Preclinical Stages of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2022, 86, 387-402.	2.6	3
77	The neuronal membrane as a key factor in neurodegeneration. <i>Frontiers in Physiology</i> , 2013, 4, 188.	2.8	2
78	In-Out-Test: A New Paradigm for Sorting the Wheat from the Chaff in Prodromal Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 265-277.	2.6	2
79	Isolation and sequence of a 2-kbp miniplasmid from <i>Bacillus thuringiensis</i> var. <i>kurstaki</i> HD-3a3b: Relationship with miniplasmids of other <i>B. thuringiensis</i> strains. <i>FEMS Microbiology Letters</i> , 1992, 94, 263-269.	1.8	2
80	Cellular and Molecular Basis for Acute Nongenomically Mediated Actions of SERMs. , 2006, , 79-102.		1
81	Stage-specific localization of the small heat shock protein Hsp27 during oogenesis in <i>Drosophila melanogaster</i> . <i>Chromosoma</i> , 1996, 105, 142-149.	2.2	1
82	Membrane-initiated signaling of estrogen related to neuroprotection. "Social networks" are required. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2011, 7, 393-401.	0.7	0
83	The signalosome malfunctions in age-associated neuropathologies. , 2020, , 275-292.		0