

Nicolas G Bazan

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471
papers

29,112
citations

81
h-index

154
g-index

510
ext. papers

32,531
ext. citations

5.5
avg. IF

7.15
L-index

#	Paper	IF	Citations
471	Neuroinflammation in Alzheimer's disease. <i>Lancet Neurology, The</i> , 2015 , 14, 388-405	24.1	2760
470	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160
469	Effects of ischemia and electroconvulsive shock on free fatty acid pool in the brain. <i>Lipids and Lipid Metabolism</i> , 1970 , 218, 1-10		754
468	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. <i>Cell Death and Differentiation</i> , 2015 , 22, 58-73	12.7	643
467	A role for docosahexaenoic acid-derived neuroprotectin D1 in neural cell survival and Alzheimer disease. <i>Journal of Clinical Investigation</i> , 2005 , 115, 2774-83	15.9	633
466	Neuroprotectin D1: a docosahexaenoic acid-derived docosatriene protects human retinal pigment epithelial cells from oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 8491-6	11.5	629
465	Novel docosanoids inhibit brain ischemia-reperfusion-mediated leukocyte infiltration and pro-inflammatory gene expression. <i>Journal of Biological Chemistry</i> , 2003 , 278, 43807-17	5.4	607
464	Guidelines for the use and interpretation of assays for monitoring cell death in higher eukaryotes. <i>Cell Death and Differentiation</i> , 2009 , 16, 1093-107	12.7	533
463	Gene expression profiling of 12633 genes in Alzheimer hippocampal CA1: transcription and neurotrophic factor down-regulation and up-regulation of apoptotic and pro-inflammatory signaling. <i>Journal of Neuroscience Research</i> , 2002 , 70, 462-73	4.4	450
462	Membrane docosahexaenoate is supplied to the developing brain and retina by the liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989 , 86, 2903-7	11.5	379
461	Docosahexaenoic acid signal lipidomics in nutrition: significance in aging, neuroinflammation, macular degeneration, Alzheimer's, and other neurodegenerative diseases. <i>Annual Review of Nutrition</i> , 2011 , 31, 321-51	9.9	306
460	Sleep deprivation causes behavioral, synaptic, and membrane excitability alterations in hippocampal neurons. <i>Journal of Neuroscience</i> , 2003 , 23, 9687-95	6.6	302
459	Cell survival matters: docosahexaenoic acid signaling, neuroprotection and photoreceptors. <i>Trends in Neurosciences</i> , 2006 , 29, 263-71	13.3	282
458	Platelet-activating factor as a potential retrograde messenger in CA1 hippocampal long-term potentiation. <i>Nature</i> , 1994 , 367, 175-9	50.4	254
457	Cyclooxygenase-2 regulates prostaglandin E2 signaling in hippocampal long-term synaptic plasticity. <i>Journal of Neurophysiology</i> , 2002 , 87, 2851-7	3.2	247
456	Neuroprotectin D1 (NPD1): a DHA-derived mediator that protects brain and retina against cell injury-induced oxidative stress. <i>Brain Pathology</i> , 2005 , 15, 159-66	6	244
455	Rapid glucocorticoid-mediated endocannabinoid release and opposing regulation of glutamate and gamma-aminobutyric acid inputs to hypothalamic magnocellular neurons. <i>Endocrinology</i> , 2005 , 146, 4292-301	4.8	235

454	Opposing crosstalk between leptin and glucocorticoids rapidly modulates synaptic excitation via endocannabinoid release. <i>Journal of Neuroscience</i> , 2006 , 26, 6643-50	6.6	211
453	Enhancement of hippocampal excitatory synaptic transmission by platelet-activating factor. <i>Neuron</i> , 1992 , 9, 1211-6	13.9	201
452	Synaptic lipid signaling: significance of polyunsaturated fatty acids and platelet-activating factor. <i>Journal of Lipid Research</i> , 2003 , 44, 2221-33	6.3	197
451	Omega-3 fatty acids, pro-inflammatory signaling and neuroprotection. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2007 , 10, 136-41	3.8	182
450	Identification of prostaglandin E2 and leukotriene B4 in the synovial fluid of painful, dysfunctional temporomandibular joints. <i>Journal of Oral and Maxillofacial Surgery</i> , 1990 , 48, 968-71	1.8	178
449	Docosahexaenoic acid-derived neuroprotectin D1 induces neuronal survival via secretase- and PPAR γ -mediated mechanisms in Alzheimer's disease models. <i>PLoS ONE</i> , 2011 , 6, e15816	3.7	174
448	Neuroprotectin D1-mediated anti-inflammatory and survival signaling in stroke, retinal degenerations, and Alzheimer's disease. <i>Journal of Lipid Research</i> , 2009 , 50 Suppl, S400-5	6.3	174
447	Docosahexaenoic acid and the aging brain. <i>Journal of Nutrition</i> , 2008 , 138, 2510-4	4.1	172
446	Mediators of injury in neurotrauma: intracellular signal transduction and gene expression. <i>Journal of Neurotrauma</i> , 1995 , 12, 791-814	5.4	172
445	Lipid signaling in neural plasticity, brain repair, and neuroprotection. <i>Molecular Neurobiology</i> , 2005 , 32, 89-103	6.2	171
444	Rapid production of diacylglycerols enriched in arachidonate and stearate during early brain ischemia. <i>Journal of Neurochemistry</i> , 1975 , 25, 919-20	6	169
443	Changes in free fatty acids of brain by drug-induced convulsions, electroshock and anaesthesia. <i>Journal of Neurochemistry</i> , 1971 , 18, 1379-85	6	169
442	Strong nuclear factor-kappaB-DNA binding parallels cyclooxygenase-2 gene transcription in aging and in sporadic Alzheimer's disease superior temporal lobe neocortex. <i>Journal of Neuroscience Research</i> , 1998 , 53, 583-92	4.4	166
441	Rescue of hearing and vestibular function by antisense oligonucleotides in a mouse model of human deafness. <i>Nature Medicine</i> , 2013 , 19, 345-50	50.5	162
440	Free arachidonic acid and other lipids in the nervous system during early ischemia and after electroshock. <i>Advances in Experimental Medicine and Biology</i> , 1976 , 72, 317-35	3.6	162
439	Regional distribution and rate of production of free fatty acids in rat brain. <i>Journal of Neurochemistry</i> , 1971 , 18, 1387-93	6	158
438	Effects of a platelet activating factor antagonist (BN 52021) on free fatty acids, diacylglycerols, polyphosphoinositides and blood flow in the gerbil brain: inhibition of ischemia-reperfusion induced cerebral injury. <i>Biochemical and Biophysical Research Communications</i> , 1987 , 149, 580-7	3.4	155
437	Postsynaptically synthesized prostaglandin E2 (PGE2) modulates hippocampal synaptic transmission via a presynaptic PGE2 EP2 receptor. <i>Journal of Neuroscience</i> , 2005 , 25, 9858-70	6.6	145

436	Robust docosahexaenoic acid-mediated neuroprotection in a rat model of transient, focal cerebral ischemia. <i>Stroke</i> , 2009 , 40, 3121-6	6.7	143
435	Lipid signaling: sleep, synaptic plasticity, and neuroprotection. <i>Prostaglandins and Other Lipid Mediators</i> , 2005 , 77, 65-76	3.7	142
434	Neurotrophins enhance retinal pigment epithelial cell survival through neuroprotectin D1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 13152-7	11.5	139
433	Involvement of platelet-activating factor (PAF) in cerebral post-ischemic phase in Mongolian gerbils. <i>Prostaglandins</i> , 1987 , 34, 337-49		132
432	Platelet-activating factor and retinoic acid synergistically activate the inducible prostaglandin synthase gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994 , 91, 5252-6	11.5	130
431	Docosahexaenoic Acid therapy of experimental ischemic stroke. <i>Translational Stroke Research</i> , 2011 , 2, 33-41	7.8	127
430	Cellular and molecular events mediated by docosahexaenoic acid-derived neuroprotectin D1 signaling in photoreceptor cell survival and brain protection. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2009 , 81, 205-11	2.8	127
429	Sleep deprivation-induced alterations in excitatory synaptic transmission in the CA1 region of the rat hippocampus. <i>Journal of Physiology</i> , 2006 , 570, 553-65	3.9	126
428	Sustained induction of prostaglandin endoperoxide synthase-2 by seizures in hippocampus. Inhibition by a platelet-activating factor antagonist. <i>Journal of Biological Chemistry</i> , 1996 , 271, 24794-9	5.4	124
427	Immediate and delayed VEGF-mediated NO synthesis in endothelial cells: role of PI3K, PKC and PLC pathways. <i>British Journal of Pharmacology</i> , 2002 , 137, 1021-30	8.6	121
426	Docosahexaenoic acid complexed to albumin elicits high-grade ischemic neuroprotection. <i>Stroke</i> , 2005 , 36, 118-23	6.7	119
425	Prostaglandins and other lipid mediators in Alzheimer's disease. <i>Prostaglandins and Other Lipid Mediators</i> , 2002 , 68-69, 197-210	3.7	119
424	Endogenous PGE2 regulates membrane excitability and synaptic transmission in hippocampal CA1 pyramidal neurons. <i>Journal of Neurophysiology</i> , 2005 , 93, 929-41	3.2	119
423	Novel proresolving aspirin-triggered DHA pathway. <i>Chemistry and Biology</i> , 2011 , 18, 976-87		118
422	Neuroinflammatory signaling upregulation in Alzheimer's disease. <i>Neurochemical Research</i> , 2000 , 25, 1173-84	4.6	118
421	DGKE variants cause a glomerular microangiopathy that mimics membranoproliferative GN. <i>Journal of the American Society of Nephrology: JASN</i> , 2013 , 24, 377-84	12.7	117
420	Post-training cyclooxygenase-2 (COX-2) inhibition impairs memory consolidation. <i>Learning and Memory</i> , 2002 , 9, 41-7	2.8	114
419	Mapping the entire human corneal nerve architecture. <i>Experimental Eye Research</i> , 2010 , 91, 513-23	3.7	113

418	Coordinate activation of HIF-1 and NF-kappaB DNA binding and COX-2 and VEGF expression in retinal cells by hypoxia. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 4163-70		110
417	Coupling among energy failure, loss of ion homeostasis, and phospholipase A2 and C activation during ischemia. <i>Journal of Neurochemistry</i> , 1993 , 61, 1677-84	6	110
416	Cyclooxygenase 2 RNA message abundance, stability, and hypervariability in sporadic Alzheimer neocortex. <i>Journal of Neuroscience Research</i> , 1997 , 50, 937-45	4.4	109
415	Rescue and repair during photoreceptor cell renewal mediated by docosahexaenoic acid-derived neuroprotectin D1. <i>Journal of Lipid Research</i> , 2010 , 51, 2018-31	6.3	103
414	Platelet-activating factor stimulates a fos/jun/AP-1 transcriptional signaling system in human neuroblastoma cells. <i>Journal of Neuroscience Research</i> , 1989 , 24, 558-66	4.4	103
413	Platelet-activating factor antagonist BN52021 decreases accumulation of free polyunsaturated fatty acid in mouse brain during ischemia and electroconvulsive shock. <i>Journal of Neurochemistry</i> , 1988 , 51, 1900-5	6	102
412	Arachidonic acid in the modulation of excitable membrane function and at the onset of brain damage. <i>Annals of the New York Academy of Sciences</i> , 1989 , 559, 1-16	6.5	100
411	Memory enhancement by intrahippocampal, intraamygdala, or intraentorhinal infusion of platelet-activating factor measured in an inhibitory avoidance task. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 5047-51	11.5	99
410	Docosahexaenoic acid (22:6, n-3) is metabolized to lipoxygenase reaction products in the retina. <i>Biochemical and Biophysical Research Communications</i> , 1984 , 125, 741-7	3.4	99
409	Brain response to injury and neurodegeneration: endogenous neuroprotective signaling. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1053, 137-47	6.5	99
408	Omega-3 essential fatty acids modulate initiation and progression of neurodegenerative disease. <i>Molecular Neurobiology</i> , 2010 , 41, 367-74	6.2	97
407	Changing fatty acid content of growth cone lipids prior to synaptogenesis. <i>Journal of Neurochemistry</i> , 1992 , 59, 318-25	6	97
406	Platelet-activating factor and polyunsaturated fatty acids in cerebral ischemia or convulsions: intracellular PAF-binding sites and activation of a fos/jun/AP-1 transcriptional signaling system. <i>Lipids</i> , 1991 , 26, 1236-42	1.6	95
405	Activity-dependent release and actions of endocannabinoids in the rat hypothalamic supraoptic nucleus. <i>Journal of Physiology</i> , 2005 , 569, 751-60	3.9	94
404	Homeostatic regulation of photoreceptor cell integrity: significance of the potent mediator neuroprotectin D1 biosynthesized from docosahexaenoic acid: the Proctor Lecture. <i>Investigative Ophthalmology and Visual Science</i> , 2007 , 48, 4866-81; biography 4864-5		93
403	Endogenous signaling by omega-3 docosahexaenoic acid-derived mediators sustains homeostatic synaptic and circuitry integrity. <i>Molecular Neurobiology</i> , 2011 , 44, 216-22	6.2	91
402	Photoreceptor outer segment phagocytosis attenuates oxidative stress-induced apoptosis with concomitant neuroprotectin D1 synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 13158-63	11.5	91
401	Phosphorylation of STAT-3 in response to basic fibroblast growth factor occurs through a mechanism involving platelet-activating factor, JAK-2, and Src in human umbilical vein endothelial cells. Evidence for a dual kinase mechanism. <i>Journal of Biological Chemistry</i> , 2002 , 277, 21237-45	5.4	91

400	PI3K/Akt and mTOR/p70S6K pathways mediate neuroprotectin D1-induced retinal pigment epithelial cell survival during oxidative stress-induced apoptosis. <i>Experimental Eye Research</i> , 2010 , 90, 718-25	3.7	87
399	Hippocampal kindling epileptogenesis upregulates neuronal cyclooxygenase-2 expression in neocortex. <i>Experimental Neurology</i> , 2003 , 179, 167-75	5.7	86
398	Cyclooxygenase-2 and presenilin-1 gene expression induced by interleukin-1beta and amyloid beta 42 peptide is potentiated by hypoxia in primary human neural cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 30359-67	5.4	86
397	Neuroprotectin D1/protectin D1 stereoselective and specific binding with human retinal pigment epithelial cells and neutrophils. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2010 , 82, 27-34	2.8	83
396	Neuron-specific protein F1/GAP-43 shows substrate specificity for the beta subtype of protein kinase C. <i>Biochemical and Biophysical Research Communications</i> , 1990 , 171, 1236-43	3.4	83
395	Effect of bicuculline-induced status epilepticus on prostaglandins and hydroxyecosatetraenoic acids in rat brain subcellular fractions. <i>Journal of Neurochemistry</i> , 1987 , 48, 1768-78	6	83
394	Sleep deprivation impairs hippocampus-mediated contextual learning but not amygdala-mediated cued learning in rats. <i>European Journal of Neuroscience</i> , 2004 , 19, 3121-4	3.5	82
393	Synergy by secretory phospholipase A2 and glutamate on inducing cell death and sustained arachidonic acid metabolic changes in primary cortical neuronal cultures. <i>Journal of Biological Chemistry</i> , 1996 , 271, 32722-8	5.4	82
392	Novel aspirin-triggered neuroprotectin D1 attenuates cerebral ischemic injury after experimental stroke. <i>Experimental Neurology</i> , 2012 , 236, 122-30	5.7	81
391	Altered NMDA receptor trafficking contributes to sleep deprivation-induced hippocampal synaptic and cognitive impairments. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 340, 435-40	3.4	81
390	KID-1, a protein kinase induced by depolarization in brain. <i>Journal of Biological Chemistry</i> , 1998 , 273, 16535-43	5.4	81
389	Glutamate receptor signaling interplay modulates stress-sensitive mitogen-activated protein kinases and neuronal cell death. <i>Journal of Biological Chemistry</i> , 1999 , 274, 6493-8	5.4	81
388	Recovery of postischemic brain metabolism and function following treatment with a free radical scavenger and platelet-activating factor antagonists. <i>Journal of Neurochemistry</i> , 1991 , 56, 311-9	6	80
387	Systemic fatty acid responses to transient focal cerebral ischemia: influence of neuroprotectant therapy with human albumin. <i>Journal of Neurochemistry</i> , 2002 , 83, 515-24	6	79
386	Topical combination of NGF and DHA increases rabbit corneal nerve regeneration after photorefractive keratectomy. <i>Investigative Ophthalmology and Visual Science</i> , 2005 , 46, 3121-7		78
385	Selective survival rescue in 15-lipoxygenase-1-deficient retinal pigment epithelial cells by the novel docosahexaenoic acid-derived mediator, neuroprotectin D1. <i>Journal of Biological Chemistry</i> , 2009 , 284, 17877-82	5.4	77
384	Simplified lentivirus vector production in protein-free media using polyethylenimine-mediated transfection. <i>Journal of Virological Methods</i> , 2009 , 157, 113-21	2.6	75
383	Docosahexaenoic acid neurolipidomics. <i>Prostaglandins and Other Lipid Mediators</i> , 2010 , 91, 85-9	3.7	75

382	Neuroprotection by pigment epithelial-derived factor against glutamate toxicity in developing primary hippocampal neurons. <i>Journal of Neuroscience Research</i> , 1999 , 56, 604-10	4.4	75
381	Interleukin-1 beta activates expression of cyclooxygenase-2 and inducible nitric oxide synthase in primary hippocampal neuronal culture: Platelet-activating factor as a preferential mediator of cyclooxygenase-2 expression 1999 , 58, 593-598		75
380	Increased levels of brain free fatty acids after electroconvulsive shock. <i>Life Sciences</i> , 1970 , 9, 501-7	6.8	75
379	The onset of brain injury and neurodegeneration triggers the synthesis of docosanoid neuroprotective signaling. <i>Cellular and Molecular Neurobiology</i> , 2006 , 26, 901-13	4.6	73
378	Docosahexaenoic acid utilization during rod photoreceptor cell renewal. <i>Journal of Neuroscience</i> , 1990 , 10, 2190-202	6.6	73
377	Hypoxia signaling to genes: significance in Alzheimer's disease. <i>Molecular Neurobiology</i> , 2002 , 26, 283-986.2		72
376	The neuromessenger platelet-activating factor in plasticity and neurodegeneration. <i>Progress in Brain Research</i> , 1998 , 118, 281-91	2.9	72
375	Docosanoids and elovanoids from omega-3 fatty acids are pro-homeostatic modulators of inflammatory responses, cell damage and neuroprotection. <i>Molecular Aspects of Medicine</i> , 2018 , 64, 18-33 ^{16.7}		72
374	Neuroprotectin D1 synthesis and corneal nerve regeneration after experimental surgery and treatment with PEDF plus DHA 2010 , 51, 804-10		71
373	Differential induction of c-Jun and Fos-like proteins in rat hippocampus and dorsal striatum after training in two water maze tasks. <i>Neurobiology of Learning and Memory</i> , 2005 , 84, 75-84	3.1	70
372	Metabolism of arachidonic and docosahexaenoic acids in the retina. <i>Progress in Lipid Research</i> , 1986 , 25, 595-606	14.3	70
371	Adiponectin receptor 1 conserves docosahexaenoic acid and promotes photoreceptor cell survival. <i>Nature Communications</i> , 2015 , 6, 6228	17.4	69
370	Omega-3 polyunsaturated fatty acids improve mitochondrial dysfunction in brain aging--impact of Bcl-2 and NPD-1 like metabolites. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2015 , 92, 23-31	2.8	67
369	Receptor interacting protein kinase-mediated necrosis contributes to cone and rod photoreceptor degeneration in the retina lacking interphotoreceptor retinoid-binding protein. <i>Journal of Neuroscience</i> , 2013 , 33, 17458-68	6.6	67
368	Spatial organization of lipids in the human retina and optic nerve by MALDI imaging mass spectrometry. <i>Journal of Lipid Research</i> , 2014 , 55, 504-15	6.3	66
367	Budesonide epimer R or dexamethasone selectively inhibit platelet-activating factor-induced or interleukin 1beta-induced DNA binding activity of cis-acting transcription factors and cyclooxygenase-2 gene expression in human epidermal keratinocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 3914-9	11.5	66
366	Platelet-activating factor is a messenger in the electroconvulsive shock-induced transcriptional activation of c-fos and zif-268 in hippocampus. <i>Journal of Neuroscience Research</i> , 1994 , 37, 54-61	4.4	66
365	Retinal pigment epithelial cells play a central role in the conservation of docosahexaenoic acid by photoreceptor cells after shedding and phagocytosis. <i>Current Eye Research</i> , 1992 , 11, 73-83	2.9	66

364	Fos-jun and the primary genomic response in the nervous system. Possible physiological role and pathophysiological significance. <i>Molecular Neurobiology</i> , 1990 , 4, 27-55	6.2	66
363	Lipocalin-type prostaglandin D synthase (beta-trace) is located in pigment epithelial cells of rat retina and accumulates within interphotoreceptor matrix. <i>Journal of Neuroscience</i> , 1996 , 16, 6119-24	6.6	65
362	Kinetic properties of arachidonoyl-coenzyme A synthetase in rat brain microsomes. <i>Archives of Biochemistry and Biophysics</i> , 1983 , 226, 125-33	4.1	65
361	Docosahexaenoic acid signaling modulates cell survival in experimental ischemic stroke penumbra and initiates long-term repair in young and aged rats. <i>PLoS ONE</i> , 2012 , 7, e46151	3.7	64
360	Delayed phospholipid degradation in rat brain after traumatic brain injury. <i>Journal of Neurochemistry</i> , 1997 , 69, 199-205	6	64
359	Guidelines on experimental methods to assess mitochondrial dysfunction in cellular models of neurodegenerative diseases. <i>Cell Death and Differentiation</i> , 2018 , 25, 542-572	12.7	64
358	Docosahexaenoic acid uptake and metabolism in photoreceptors: retinal conservation by an efficient retinal pigment epithelial cell-mediated recycling process. <i>Advances in Experimental Medicine and Biology</i> , 1992 , 318, 295-306	3.6	64
357	Bioactive lipids in excitatory neurotransmission and neuronal plasticity. <i>Neurochemistry International</i> , 1997 , 30, 225-31	4.4	62
356	Cholesterol, oxidative stress, and Alzheimer's disease: expanding the horizons of pathogenesis. <i>Free Radical Biology and Medicine</i> , 2002 , 33, 173-81	7.8	62
355	Photoreceptor phagocytosis selectively activates PPARgamma expression in retinal pigment epithelial cells. <i>Journal of Neuroscience Research</i> , 2000 , 60, 328-37	4.4	61
354	Platelet-activating factor induces collagenase expression in corneal epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 8678-82	11.5	60
353	Arachidonic acid, stearic acid, and diacylglycerol accumulation correlates with the loss of phosphatidylinositol 4,5-bisphosphate in cerebrum 2 seconds after electroconvulsive shock: complete reversion of changes 5 minutes after stimulation. <i>Journal of Neuroscience Research</i> , 1987 , 18, 418-55	4.4	59
352	Carbon-Based Nanomaterials: Promising Antiviral Agents to Combat COVID-19 in the Microbial-Resistant Era. <i>ACS Nano</i> , 2021 , 15, 8069-8086	16.7	59
351	Hypoxia activates matrix metalloproteinase expression and the VEGF system in monkey choroid-retinal endothelial cells: Involvement of cytosolic phospholipase A2 activity. <i>Molecular Vision</i> , 2004 , 10, 341-50	2.3	59
350	Decreased content of docosahexaenoate and arachidonate in plasma phospholipids in Usher's syndrome. <i>Biochemical and Biophysical Research Communications</i> , 1986 , 141, 600-4	3.4	57
349	Neuroprotectin D1 restores corneal nerve integrity and function after damage from experimental surgery 2013 , 54, 4109-16		56
348	Recovery of corneal sensitivity, calcitonin gene-related peptide-positive nerves, and increased wound healing induced by pigment epithelial-derived factor plus docosahexaenoic acid after experimental surgery. <i>JAMA Ophthalmology</i> , 2012 , 130, 76-83		56
347	Platelet-activating factor receptor-deficient mice are protected from experimental sleep apnea-induced learning deficits. <i>Journal of Neurochemistry</i> , 2004 , 89, 189-96	6	56

346	Stimulation of free fatty acid and diacylglycerol accumulation in cerebrum and cerebellum during bicuculline-induced status epilepticus. Effect of pretreatment with alpha-methyl-p-tyrosine and p-chlorophenylamine. <i>Journal of Neurochemistry</i> , 1983 , 40, 252-9	6	56
345	Survival signalling in Alzheimer's disease. <i>Biochemical Society Transactions</i> , 2006 , 34, 1277-82	5.1	55
344	Immunohistologic study of epiretinal membranes in proliferative vitreoretinopathy. <i>American Journal of Ophthalmology</i> , 1990 , 110, 593-8	4.9	55
343	DNA damage and repair in light-induced photoreceptor degeneration. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 3511-21		55
342	Attenuated LTP in hippocampal dentate gyrus neurons of mice deficient in the PAF receptor. <i>Journal of Neurophysiology</i> , 2001 , 85, 384-90	3.2	54
341	Phospholipids and acylglycerols biosynthesis and ¹⁴ C ¹⁴ CO ₂ production from [¹⁴ C]glycerol in the bovine retina: the effects of incubation time, oxygen and glucose. <i>Experimental Eye Research</i> , 1979 , 29, 155-68	3.7	54
340	Synaptic and extrasynaptic NMDA receptors differentially modulate neuronal cyclooxygenase-2 function, lipid peroxidation, and neuroprotection. <i>Journal of Neuroscience</i> , 2011 , 31, 13710-21	6.6	53
339	Effects of intrastriatal injections of platelet-activating factor and the PAF antagonist BN 52021 on memory. <i>Neurobiology of Learning and Memory</i> , 1996 , 66, 176-82	3.1	53
338	Effect of K ⁺ depolarization on the synthesis of prostaglandins and hydroxyeicosatetra(5,8,11,14)enoic acids (HETE) in the rat retina. Evidence for esterification of 12-HETE in lipids. <i>Lipids and Lipid Metabolism</i> , 1984 , 795, 564-73		53
337	Neuroprotectin D1 induces dephosphorylation of Bcl-xL in a PP2A-dependent manner during oxidative stress and promotes retinal pigment epithelial cell survival. <i>Journal of Biological Chemistry</i> , 2010 , 285, 18301-8	5.4	52
336	Activation of platelet-activating factor receptor-coupled G alpha q leads to stimulation of Src and focal adhesion kinase via two separate pathways in human umbilical vein endothelial cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 3497-508	5.4	52
335	What synaptic lipid signaling tells us about seizure-induced damage and epileptogenesis. <i>Progress in Brain Research</i> , 2002 , 135, 175-85	2.9	52
334	Run-on gene transcription in human neocortical nuclei. Inhibition by nanomolar aluminum and implications for neurodegenerative disease. <i>Journal of Molecular Neuroscience</i> , 1998 , 11, 67-78	3.3	51
333	Inhibition of phosphatidylinositol-4-phosphate kinase by its product phosphatidylinositol-4,5-bisphosphate. <i>Biochemical and Biophysical Research Communications</i> , 1985 , 126, 150-5	3.4	51
332	The omega-3 fatty acid-derived neuroprotectin D1 limits hippocampal hyperexcitability and seizure susceptibility in kindling epileptogenesis. <i>Epilepsia</i> , 2011 , 52, 1601-8	6.4	50
331	Eliminating the adrenal stress response does not affect sleep deprivation-induced acquisition deficits in the water maze. <i>Life Sciences</i> , 2006 , 78, 2833-8	6.8	50
330	Chain elongation and desaturation of eicosapentaenoate to docosahexaenoate and phospholipid labeling in the rat retina in vivo. <i>Lipids and Lipid Metabolism</i> , 1982 , 712, 123-8		50
329	Docosahexaenoic acid confers enduring neuroprotection in experimental stroke. <i>Journal of the Neurological Sciences</i> , 2014 , 338, 135-41	3.2	49

328	Cyclooxygenase-3 gene expression in Alzheimer hippocampus and in stressed human neural cells. <i>Neurochemical Research</i> , 2004 , 29, 1731-7	4.6	49
327	Secreted phospholipase A2 potentiates glutamate-induced calcium increase and cell death in primary neuronal cultures. <i>Journal of Neuroscience Research</i> , 2002 , 67, 634-45	4.4	49
326	Fatty acid composition and level of diacylglycerols and phosphoglycerides in brain and retina. <i>Lipids and Lipid Metabolism</i> , 1973 , 296, 1-9		49
325	Molecular mechanisms of signaling via the docosanoid neuroprotectin D1 for cellular homeostasis and neuroprotection. <i>Journal of Biological Chemistry</i> , 2017 , 292, 12390-12397	5.4	47
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