

Gilles Guillemin

List of Publications by Year in descending order

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Version: 2024-02-01

328
papers

22,076
citations

9786

73
h-index

11939

134
g-index

347
all docs

347
docs citations

347
times ranked

27355
citing authors

#	ARTICLE	IF	CITATIONS
1	An endogenous tumour-promoting ligand of the human aryl hydrocarbon receptor. <i>Nature</i> , 2011, 478, 197-203.	27.8	1,514
2	PAX3: A Molecule with Oncogenic or Tumor Suppressor Function Is Involved in Cancer. <i>BioMed Research International</i> , 2018, 2018, 1-12.	1.9	865
3	Aryl hydrocarbon receptor control of a disease tolerance defence pathway. <i>Nature</i> , 2014, 511, 184-190.	27.8	574
4	Age Related Changes in NAD ⁺ Metabolism Oxidative Stress and Sirt1 Activity in Wistar Rats. <i>PLoS ONE</i> , 2011, 6, e19194.	2.5	508
5	Kynurenine Pathway Metabolites in Humans: Disease and Healthy States. <i>International Journal of Tryptophan Research</i> , 2009, 2, IJTR.S2097.	2.3	501
6	Severe depression is associated with increased microglial quinolinic acid in subregions of the anterior cingulate gyrus: Evidence for an immune-modulated glutamatergic neurotransmission?. <i>Journal of Neuroinflammation</i> , 2011, 8, 94.	7.2	466
7	Microglia, macrophages, perivascular macrophages, and pericytes: a review of function and identification. <i>Journal of Leukocyte Biology</i> , 2004, 75, 388-397.	3.3	446
8	Kynurenine pathway metabolism in human astrocytes: a paradox for neuronal protection. <i>Journal of Neurochemistry</i> , 2001, 78, 842-853.	3.9	438
9	Expression of indoleamine 2,3-dioxygenase and production of quinolinic acid by human microglia, astrocytes, and neurons. <i>Glia</i> , 2005, 49, 15-23.	4.9	421
10	Quinolinic acid, the inescapable neurotoxin. <i>FEBS Journal</i> , 2012, 279, 1356-1365.	4.7	418
11	Age-Associated Changes In Oxidative Stress and NAD ⁺ Metabolism In Human Tissue. <i>PLoS ONE</i> , 2012, 7, e42357.	2.5	414
12	The Role of Reactive Oxygen Species in the Pathogenesis of Alzheimer's Disease, Parkinson's Disease, and Huntington's Disease: A Mini Review. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-15.	4.0	363
13	Connecting inflammation with glutamate agonism in suicidality. <i>Neuropsychopharmacology</i> , 2013, 38, 743-752.	5.4	287
14	Recent evidence for an expanded role of the kynurenine pathway of tryptophan metabolism in neurological diseases. <i>Neuropharmacology</i> , 2017, 112, 373-388.	4.1	281
15	Indoleamine 2,3 dioxygenase and quinolinic acid Immunoreactivity in Alzheimer's disease hippocampus. <i>Neuropathology and Applied Neurobiology</i> , 2005, 31, 395-404.	3.2	272
16	Characterization of the Kynurenine Pathway in Human Neurons. <i>Journal of Neuroscience</i> , 2007, 27, 12884-12892.	3.6	265
17	A role for inflammatory metabolites as modulators of the glutamate N-methyl-d-aspartate receptor in depression and suicidality. <i>Brain, Behavior, and Immunity</i> , 2015, 43, 110-117.	4.1	240
18	Neuroprotective Effect of Natural Products Against Alzheimer's Disease. <i>Neurochemical Research</i> , 2012, 37, 1829-1842.	3.3	225

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19	The kynurenine pathway is activated in human obesity and shifted toward kynurenine monoxygenase activation. <i>Obesity</i> , 2015, 23, 2066-2074.	3.0	196
20	Expression of The Kynurenine Pathway Enzymes in Human Microglia and Macrophages. <i>Advances in Experimental Medicine and Biology</i> , 2003, 527, 105-112.	1.6	187
21	Mechanism for Quinolinic Acid Cytotoxicity in Human Astrocytes and Neurons. <i>Neurotoxicity Research</i> , 2009, 16, 77-86.	2.7	186
22	Kynurenine pathway metabolomics predicts and provides mechanistic insight into multiple sclerosis progression. <i>Scientific Reports</i> , 2017, 7, 41473.	3.3	183
23	Neurodegeneration and Ageing in the HAART Era. <i>Journal of NeuroImmune Pharmacology</i> , 2009, 4, 163-174.	4.1	182
24	The Excitotoxin Quinolinic Acid Induces Tau Phosphorylation in Human Neurons. <i>PLoS ONE</i> , 2009, 4, e6344.	2.5	179
25	NAD Deficiency, Congenital Malformations, and Niacin Supplementation. <i>New England Journal of Medicine</i> , 2017, 377, 544-552.	27.0	177
26	CCNF mutations in amyotrophic lateral sclerosis and frontotemporal dementia. <i>Nature Communications</i> , 2016, 7, 11253.	12.8	174
27	Role of ABCG1 and ABCA1 in Regulation of Neuronal Cholesterol Efflux to Apolipoprotein E Discs and Suppression of Amyloid- β Peptide Generation. <i>Journal of Biological Chemistry</i> , 2007, 282, 2851-2861.	3.4	168
28	Implications of the kynurenine pathway and quinolinic acid in Alzheimer's disease. <i>Redox Report</i> , 2002, 7, 199-206.	4.5	167
29	Expression of chemokines and their receptors in human and simian astrocytes: Evidence for a central role of TNF α and IFN γ in CXCR4 and CCR5 modulation. <i>Glia</i> , 2003, 41, 354-370.	4.9	166
30	Dendritic spines: Revisiting the physiological role. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 92, 161-193.	4.8	165
31	Antibodies to MOG have a demyelination phenotype and affect oligodendrocyte cytoskeleton. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2014, 1, e12.	6.0	158
32	Characterisation of the Expression of NMDA Receptors in Human Astrocytes. <i>PLoS ONE</i> , 2010, 5, e14123.	2.5	155
33	Dysregulation of kynurenine metabolism is related to proinflammatory cytokines, attention, and prefrontal cortex volume in schizophrenia. <i>Molecular Psychiatry</i> , 2020, 25, 2860-2872.	7.9	155
34	Quinolinic acid upregulates chemokine production and chemokine receptor expression in astrocytes. <i>Glia</i> , 2003, 41, 371-381.	4.9	147
35	An enzyme in the kynurenine pathway that governs vulnerability to suicidal behavior by regulating excitotoxicity and neuroinflammation. <i>Translational Psychiatry</i> , 2016, 6, e865-e865.	4.8	141
36	The Plasma [Kynurenine]/[Tryptophan] Ratio and Indoleamine 2,3-Dioxygenase: Time for Appraisal. <i>International Journal of Tryptophan Research</i> , 2019, 12, 117864691986897.	2.3	134

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37	Microorganisms, Tryptophan Metabolism, and Kynurenine Pathway: A Complex Interconnected Loop Influencing Human Health Status. <i>International Journal of Tryptophan Research</i> , 2019, 12, 117864691985299.	2.3	129
38	Effect of quinolinic acid on human astrocytes morphology and functions: implications in Alzheimer's disease. <i>Journal of Neuroinflammation</i> , 2009, 6, 36.	7.2	126
39	The Endogenous Tryptophan Metabolite and NAD ⁺ Precursor Quinolinic Acid Confers Resistance of Gliomas to Oxidative Stress. <i>Cancer Research</i> , 2013, 73, 3225-3234.	0.9	126
40	Neuroprotective Effects of Hesperidin, a Plant Flavanone, on Rotenone-Induced Oxidative Stress and Apoptosis in a Cellular Model for Parkinson's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-11.	4.0	125
41	IL-1 β induces production of quinolinic acid by human macrophages and microglia. <i>NeuroReport</i> , 2003, 14, 2311-2315.	1.2	123
42	Quantitation of ATP-binding cassette subfamily-A transporter gene expression in primary human brain cells. <i>NeuroReport</i> , 2006, 17, 891-896.	1.2	123
43	Chronic exposure of human neurons to quinolinic acid results in neuronal changes consistent with AIDS dementia complex. <i>Aids</i> , 1998, 12, 355-363.	2.2	122
44	Differential expression of sirtuins in the aging rat brain. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 167.	3.7	119
45	Current Evidence for a Role of the Kynurenine Pathway of Tryptophan Metabolism in Multiple Sclerosis. <i>Frontiers in Immunology</i> , 2016, 7, 246.	4.8	118
46	Quinolinic acid is produced by macrophages stimulated by platelet activating factor, Nef and Tat. <i>Journal of NeuroVirology</i> , 2001, 7, 56-60.	2.1	117
47	Involvement of quinolinic acid in aids dementia complex. <i>Neurotoxicity Research</i> , 2005, 7, 103-123.	2.7	117
48	The Kynurenine Pathway and Inflammation in Amyotrophic Lateral Sclerosis. <i>Neurotoxicity Research</i> , 2010, 18, 132-142.	2.7	116
49	NAD ⁺ metabolism and oxidative stress: the golden nucleotide on a crown of thorns. <i>Redox Report</i> , 2012, 17, 28-46.	4.5	116
50	Expression of Tryptophan 2,3-Dioxygenase and Production of Kynurenine Pathway Metabolites in Triple Transgenic Mice and Human Alzheimer's Disease Brain. <i>PLoS ONE</i> , 2013, 8, e59749.	2.5	116
51	Quinolinic acid selectively induces apoptosis of human astrocytes: potential role in AIDS dementia complex. <i>Journal of Neuroinflammation</i> , 2005, 2, 16.	7.2	114
52	The Kynurenine Pathway in Brain Tumor Pathogenesis. <i>Cancer Research</i> , 2012, 72, 5649-5657.	0.9	114
53	Expression of the Kynurenine Pathway in Human Peripheral Blood Mononuclear Cells: Implications for Inflammatory and Neurodegenerative Disease. <i>PLoS ONE</i> , 2015, 10, e0131389.	2.5	111
54	Involvement of the kynurenine pathway in the pathogenesis of Parkinson's disease. <i>Progress in Neurobiology</i> , 2017, 155, 76-95.	5.7	111

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55	Understanding the role of the kynurenine pathway in human breast cancer immunobiology. <i>Oncotarget</i> , 2016, 7, 6506-6520.	1.8	109
56	Increased 3-Hydroxykynurenine serum concentrations differentiate Alzheimer's disease patients from controls. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2013, 263, 345-352.	3.2	103
57	Involvement of the Kynurenine Pathway in Human Glioma Pathophysiology. <i>PLoS ONE</i> , 2014, 9, e112945.	2.5	101
58	Recent rodent models for Alzheimer's disease: clinical implications and basic research. <i>Journal of Neural Transmission</i> , 2012, 119, 173-195.	2.8	97
59	QUINOLINIC ACID IN THE PATHOGENESIS OF ALZHEIMER'S DISEASE. <i>Advances in Experimental Medicine and Biology</i> , 2003, 527, 167-176.	1.6	96
60	Tryptophan metabolism activation by indoleamine 2,3-dioxygenase in adipose tissue of obese women: an attempt to maintain immune homeostasis and vascular tone. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 303, R135-R143.	1.8	95
61	Mapping NAD ⁺ metabolism in the brain of ageing Wistar rats: potential targets for influencing brain senescence. <i>Biogerontology</i> , 2014, 15, 177-198.	3.9	95
62	Characterisation of kynurenine pathway metabolism in human astrocytes and implications in neuropathogenesis. <i>Redox Report</i> , 2000, 5, 108-111.	4.5	93
63	Neuroprotective effects of naturally occurring polyphenols on quinolinic acid-induced excitotoxicity in human neurons. <i>FEBS Journal</i> , 2010, 277, 368-382.	4.7	93
64	Changes in kynurenine pathway metabolism in the brain, liver and kidney of aged female Wistar rats. <i>FEBS Journal</i> , 2011, 278, 4425-4434.	4.7	93
65	Epithelial Indoleamine 2,3-Dioxygenase 1 Modulates Aryl Hydrocarbon Receptor and Notch Signaling to Increase Differentiation of Secretory Cells and Alter Mucus-Associated Microbiota. <i>Gastroenterology</i> , 2019, 157, 1093-1108.e11.	1.3	92
66	Concurrent Quantification of Quinolinic, Picolinic, and Nicotinic Acids Using Electron-Capture Negative-Ion Gas Chromatography-Mass Spectrometry. <i>Analytical Biochemistry</i> , 2002, 301, 21-26.	2.4	91
67	Implications for the Kynurenine Pathway and Quinolinic Acid in Amyotrophic Lateral Sclerosis. <i>Neurodegenerative Diseases</i> , 2005, 2, 166-176.	1.4	88
68	Tryptophan Metabolism through the Kynurenine Pathway is Associated with Endoscopic Inflammation in Ulcerative Colitis. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 1471-1480.	1.9	88
69	Sleep Deprivation and Neurological Disorders. <i>BioMed Research International</i> , 2020, 2020, 1-19.	1.9	88
70	Activated Actin-Depolymerizing Factor/Cofilin Sequesters Phosphorylated Microtubule-Associated Protein during the Assembly of Alzheimer-Like Neuritic Cytoskeletal Striations. <i>Journal of Neuroscience</i> , 2009, 29, 12994-13005.	3.6	84
71	Excitotoxicity in the Pathogenesis of Autism. <i>Neurotoxicity Research</i> , 2013, 23, 393-400.	2.7	82
72	Long-Term Dietary Supplementation of Pomegranates, Figs and Dates Alleviate Neuroinflammation in a Transgenic Mouse Model of Alzheimer's Disease. <i>PLoS ONE</i> , 2015, 10, e0120964.	2.5	82

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73	Correlation between plasma and CSF concentrations of kynurenine pathway metabolites in Alzheimer's disease and relationship to amyloid- β and tau. <i>Neurobiology of Aging</i> , 2019, 80, 11-20.	3.1	80
74	IFN- γ Induces Kynurenine Pathway Metabolism in Human Macrophages: Potential Implications for Multiple Sclerosis Treatment. <i>Journal of Interferon and Cytokine Research</i> , 2001, 21, 1097-1101.	1.2	79
75	Kynurenine-3-monooxygenase: a review of structure, mechanism, and inhibitors. <i>Drug Discovery Today</i> , 2016, 21, 315-324.	6.4	79
76	M. tuberculosis Induces Potent Activation of IDO-1, but This Is Not Essential for the Immunological Control of Infection. <i>PLoS ONE</i> , 2012, 7, e37314.	2.5	78
77	p38 MAPK inhibitors attenuate pro-inflammatory cytokine production and the invasiveness of human U251 glioblastoma cells. <i>Journal of Neuro-Oncology</i> , 2012, 109, 35-44.	2.9	78
78	Inflammation and kynurenine pathway dysregulation in post-partum women with severe and suicidal depression. <i>Brain, Behavior, and Immunity</i> , 2020, 83, 239-247.	4.1	78
79	Neuroinflammation in Multiple System Atrophy: Response to and Cause of α -Synuclein Aggregation. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 437.	3.7	77
80	Extracellular Vesicles Released by Glioblastoma Cells Stimulate Normal Astrocytes to Acquire a Tumor-Supportive Phenotype Via p53 and MYC Signaling Pathways. <i>Molecular Neurobiology</i> , 2019, 56, 4566-4581.	4.0	77
81	Accumulation of an Endogenous Tryptophan-Derived Metabolite in Colorectal and Breast Cancers. <i>PLoS ONE</i> , 2015, 10, e0122046.	2.5	76
82	Altered kynurenine pathway metabolism in autism: Implication for immune-induced glutamatergic activity. <i>Autism Research</i> , 2016, 9, 621-631.	3.8	75
83	Excitotoxic potential of the cyanotoxin β -methyl-amino-l-alanine (BMAA) in primary human neurons. <i>Toxicol</i> , 2012, 60, 1159-1165.	1.6	74
84	Activation of the kynurenine pathway and increased production of the excitotoxin quinolinic acid following traumatic brain injury in humans. <i>Journal of Neuroinflammation</i> , 2015, 12, 110.	7.2	72
85	Uptake and mitochondrial dysfunction of alpha-synuclein in human astrocytes, cortical neurons and fibroblasts. <i>Translational Neurodegeneration</i> , 2013, 2, 20.	8.0	71
86	Defects in optineurin- and myosin VI-mediated cellular trafficking in amyotrophic lateral sclerosis. <i>Human Molecular Genetics</i> , 2015, 24, 3830-3846.	2.9	71
87	Obtention and characterization of primary astrocyte and microglial cultures from adult monkey brains. <i>J Neurosci</i> , 1997, 17, 576-591.		70
88	Vanillin Attenuated Behavioural Impairments, Neurochemical Deficits, Oxidative Stress and Apoptosis Against Rotenone Induced Rat Model of Parkinson's Disease. <i>Neurochemical Research</i> , 2016, 41, 1899-1910.	3.3	70
89	Sustained activation of the Aryl hydrocarbon Receptor transcription factor promotes resistance to BRAF-inhibitors in melanoma. <i>Nature Communications</i> , 2018, 9, 4775.	12.8	70
90	Effects of Kynurenine Pathway Metabolites on Intracellular NAD ⁺ Synthesis and Cell Death in Human Primary Astrocytes and Neurons. <i>International Journal of Tryptophan Research</i> , 2009, 2, IJTR.S2318.	2.3	69

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91	Does escitalopram reduce neurotoxicity in major depression?. Journal of Psychiatric Research, 2015, 66-67, 118-126.	3.1	69
92	Pomegranate from Oman Alleviates the Brain Oxidative Damage in Transgenic Mouse Model of Alzheimer's Disease. Journal of Traditional and Complementary Medicine, 2014, 4, 232-238.	2.7	68
93	SOD1 protein aggregates stimulate macropinocytosis in neurons to facilitate their propagation. Molecular Neurodegeneration, 2015, 10, 57.	10.8	68
94	Effects of Kynurenine Pathway Inhibition on NAD ⁺ Metabolism and Cell Viability in Human Primary Astrocytes and Neurons. International Journal of Tryptophan Research, 2011, 4, IJTR.S7052.	2.3	67
95	The Involvement of Neuroinflammation and Kynurenine Pathway in Parkinson's Disease. Parkinson's Disease, 2011, 2011, 1-11.	1.1	64
96	Quinolinic acid: neurotoxicity. FEBS Journal, 2012, 279, 1355-1355.	4.7	64
97	The p38-MK2-HuR pathway potentiates EGFRvIII ⁺ IL-1 β -driven IL-6 secretion in glioblastoma cells. Oncogene, 2015, 34, 2934-2942.	5.9	63
98	Characterization of the kynurenine pathway in NSC β 4 cell line: implications for amyotrophic lateral sclerosis. Journal of Neurochemistry, 2011, 118, 816-825.	3.9	61
99	Increased Markers of Oxidative Stress in Autistic Children of the Sultanate of Oman. Biological Trace Element Research, 2012, 147, 25-27.	3.5	61
100	The Kynurenine Pathway of Tryptophan Degradation is Activated During Osteoblastogenesis. Stem Cells, 2015, 33, 111-121.	3.2	61
101	Fenugreek Seed Powder Attenuated Aluminum Chloride-Induced Tau Pathology, Oxidative Stress, and Inflammation in a Rat Model of Alzheimer's Disease ¹ . Journal of Alzheimer's Disease, 2017, 60, S209-S220.	2.6	61
102	Central kynurenine pathway shift with age in women. Journal of Neurochemistry, 2016, 136, 995-1003.	3.9	60
103	Glutotoxicity of the cyanotoxin, β -methyl-amino-L-alanine (BMAA). Scientific Reports, 2013, 3, 1482.	3.3	59
104	Quinolinic acid toxicity on oligodendroglial cells: relevance for multiple sclerosis and therapeutic strategies. Journal of Neuroinflammation, 2014, 11, 204.	7.2	59
105	Granulocyte macrophage colony stimulating factor stimulates in vitro proliferation of astrocytes derived from simian mature brains. , 1996, 16, 71-80.		57
106	Asiatic Acid Attenuated Aluminum Chloride-Induced Tau Pathology, Oxidative Stress and Apoptosis Via AKT/GSK-3 β Signaling Pathway in Wistar Rats. Neurotoxicity Research, 2019, 35, 955-968.	2.7	57
107	Bioethanol production from food wastes rich in carbohydrates. Current Opinion in Food Science, 2022, 43, 71-81.	8.0	57
108	The Potential for Transition Metal-Mediated Neurodegeneration in Amyotrophic Lateral Sclerosis. Frontiers in Aging Neuroscience, 2014, 6, 173.	3.4	55

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109	Impact of 27-Hydroxycholesterol on Amyloid- β Peptide Production and ATP-Binding Cassette Transporter Expression in Primary Human Neurons. <i>Journal of Alzheimer's Disease</i> , 2009, 16, 121-131.	2.6	55
110	Understanding the Roles of the Kynurenine Pathway in Multiple Sclerosis Progression. <i>International Journal of Tryptophan Research</i> , 2010, 3, IJTR.S4294.	2.3	54
111	The Kynurenine Pathway in Stem Cell Biology. <i>International Journal of Tryptophan Research</i> , 2013, 6, IJTR.S12626.	2.3	54
112	Long-term (15Âmo) dietary supplementation with pomegranates from Oman attenuates cognitive and behavioral deficits in a transgenic mice model of Alzheimer's disease. <i>Nutrition</i> , 2015, 31, 223-229.	2.4	54
113	Phosphodiesterase-4 enzyme as a therapeutic target in neurological disorders. <i>Pharmacological Research</i> , 2020, 160, 105078.	7.1	54
114	Proinflammatory cytokine interferon- β increases induction of indoleamine 2,3-dioxygenase in monocytic cells primed with amyloid β peptide 1-42: implications for the pathogenesis of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2009, 110, 791-800.	3.9	53
115	The degree of astrocyte activation in multiple system atrophy is inversely proportional to the distance to β -synuclein inclusions. <i>Molecular and Cellular Neurosciences</i> , 2015, 65, 68-81.	2.2	52
116	Naringenin Decreases β -Synuclein Expression and Neuroinflammation in MPTP-Induced Parkinson's Disease Model in Mice. <i>Neurotoxicity Research</i> , 2018, 33, 656-670.	2.7	52
117	Neuroprotective role of Asiatic acid in aluminium chloride induced rat model of Alzheimer's disease. <i>Frontiers in Bioscience - Scholar</i> , 2018, 10, 262-275.	2.1	52
118	Tryptophan, Neurodegeneration and HIV-Associated Neurocognitive Disorder. <i>International Journal of Tryptophan Research</i> , 2010, 3, IJTR.S4321.	2.3	50
119	Major Developments in the Design of Inhibitors along the Kynurenine Pathway. <i>Current Medicinal Chemistry</i> , 2017, 24, 2471-2495.	2.4	50
120	Protective Effects of Antioxidants in Huntington's Disease: an Extensive Review. <i>Neurotoxicity Research</i> , 2019, 35, 739-774.	2.7	50
121	Promotion of cellular NAD ⁺ anabolism: Therapeutic potential for oxidative stress in ageing and Alzheimer's disease. <i>Neurotoxicity Research</i> , 2008, 13, 173-184.	2.7	48
122	The crossroads of neuroinflammation in infectious diseases: endothelial cells and astrocytes. <i>Trends in Parasitology</i> , 2012, 28, 311-319.	3.3	48
123	Effect of prolonged gelling time on the intrinsic properties of barium alginate microcapsules and its biocompatibility. <i>Journal of Microencapsulation</i> , 2011, 28, 499-507.	2.8	47
124	Diet rich in date palm fruits improves memory, learning and reduces beta amyloid in transgenic mouse model of Alzheimer's disease. <i>Journal of Ayurveda and Integrative Medicine</i> , 2015, 6, 111.	1.7	47
125	The involvement of astrocytes and kynurenine pathway in Alzheimer's disease. <i>Neurotoxicity Research</i> , 2007, 12, 247-262.	2.7	46
126	The NRTIs Lamivudine, Stavudine and Zidovudine Have Reduced HIV-1 Inhibitory Activity in Astrocytes. <i>PLoS ONE</i> , 2013, 8, e62196.	2.5	46

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127	Consumption of pomegranates improves synaptic function in a transgenic mice model of Alzheimer's disease. <i>Oncotarget</i> , 2016, 7, 64589-64604.	1.8	46
128	Bcl11" A Critical Neurodevelopmental Transcription Factor" Roles in Health and Disease. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 89.	3.7	45
129	Alterations in serum kynurenine pathway metabolites in individuals with high neocortical amyloid- β^2 load: A pilot study. <i>Scientific Reports</i> , 2018, 8, 8008.	3.3	45
130	Microorganisms" Footprint in Neurodegenerative Diseases. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 466.	3.7	42
131	Time-dependent effect of oligomeric amyloid- β^2 (1"42)-induced hippocampal neurodegeneration in rat model of Alzheimer" disease. <i>Neurological Research</i> , 2019, 41, 139-150.	1.3	42
132	Plasma neurofilament light chain and amyloid- β^2 are associated with the kynurenine pathway metabolites in preclinical Alzheimer" disease. <i>Journal of Neuroinflammation</i> , 2019, 16, 186.	7.2	41
133	Chemical reprogramming enhances homology-directed genome editing in zebrafish embryos. <i>Communications Biology</i> , 2019, 2, 198.	4.4	41
134	Kynurenine pathway modulation reverses the experimental autoimmune encephalomyelitis mouse disease progression. <i>Journal of Neuroinflammation</i> , 2020, 17, 176.	7.2	41
135	Detrimental activation of AhR pathway in cancer: an overview of therapeutic strategies. <i>Current Opinion in Immunology</i> , 2021, 70, 15-26.	5.5	41
136	Lead Dysregulates Serine/Threonine Protein Phosphatases in Human Neurons. <i>Neurochemical Research</i> , 2011, 36, 195-204.	3.3	40
137	Primary human astrocytes produce 24 <i>S</i> ,25"epoxycholesterol with implications for brain cholesterol homeostasis. <i>Journal of Neurochemistry</i> , 2007, 103, 1764-1773.	3.9	39
138	Neuroprotective Effects of a Variety of Pomegranate Juice Extracts against MPTP-Induced Cytotoxicity and Oxidative Stress in Human Primary Neurons. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-12.	4.0	39
139	Neuroprotective Effects of Rosmarinic Acid on Ciguatoxin in Primary Human Neurons. <i>Neurotoxicity Research</i> , 2014, 25, 226-234.	2.7	39
140	BMAA and Neurodegenerative Illness. <i>Neurotoxicity Research</i> , 2018, 33, 178-183.	2.7	39
141	Serum nicotinamide adenine dinucleotide levels through disease course in multiple sclerosis. <i>Brain Research</i> , 2013, 1537, 267-272.	2.2	38
142	Mechanisms and Effects Posed by Neurotoxic Products of Cyanobacteria/Microbial Eukaryotes/Dinoflagellates in Algae Blooms: a Review. <i>Neurotoxicity Research</i> , 2018, 33, 153-167.	2.7	38
143	Kynurenine Pathway Metabolites as Biomarkers for Amyotrophic Lateral Sclerosis. <i>Frontiers in Neuroscience</i> , 2019, 13, 1013.	2.8	38
144	Human Tick-Borne Diseases in Australia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 3.	3.9	37

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145	The Gut Microbiota, Kynurenine Pathway, and Immune System Interaction in the Development of Brain Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 562812.	3.7	37
146	Beneficial Effects of Desferrioxamine on Encapsulated Human Isletsâ€”In Vitro and In Vivo Study. <i>American Journal of Transplantation</i> , 2010, 10, 1961-1969.	4.7	36
147	Protective Effect of Antioxidants on Neuronal Dysfunction and Plasticity in Huntingtonâ€™s Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-15.	4.0	36
148	Effect of maternal immune activation on the kynurenine pathway in preadolescent rat offspring and on MK801-induced hyperlocomotion in adulthood: Amelioration by COX-2 inhibition. <i>Brain, Behavior, and Immunity</i> , 2014, 41, 173-181.	4.1	35
149	Detection of the suspected neurotoxin Î²-methylamino-L-alanine (BMAA) in cyanobacterial blooms from multiple water bodies in Eastern Australia. <i>Harmful Algae</i> , 2018, 74, 10-18.	4.8	34
150	The kynurenine pathway in chronic diseases: a compensatory mechanism or a driving force?. <i>Trends in Molecular Medicine</i> , 2021, 27, 946-954.	6.7	34
151	Involvement of quinolinic acid in the neuropathogenesis of amyotrophic lateral sclerosis. <i>Neuropharmacology</i> , 2017, 112, 346-364.	4.1	33
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