

Ferdinando Nicoletti

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

529 papers	22,733 citations	76 h-index	119 g-index
558 ext. papers	25,389 ext. citations	5.6 avg, IF	6.56 L-index

#	Paper	IF	Citations
529	Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR inhibitors: rationale and importance to inhibiting these pathways in human health. <i>Oncotarget</i> , 2011 , 2, 135-64	3.3	456
528	Roles of the Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR pathways in controlling growth and sensitivity to therapy-implications for cancer and aging. <i>Aging</i> , 2011 , 3, 192-222	5.6	437
527	Parkinson-like syndrome induced by continuous MPTP infusion: convergent roles of the ubiquitin-proteasome system and alpha-synuclein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 3413-8	11.5	424
526	GSK-3 as potential target for therapeutic intervention in cancer. <i>Oncotarget</i> , 2014 , 5, 2881-911	3.3	332
525	Induction of Dickkopf-1, a negative modulator of the Wnt pathway, is associated with neuronal degeneration in Alzheimer's brain. <i>Journal of Neuroscience</i> , 2004 , 24, 6021-7	6.6	291
524	Beta-amyloid monomers are neuroprotective. <i>Journal of Neuroscience</i> , 2009 , 29, 10582-7	6.6	289
523	Metabotropic glutamate receptors in the basal ganglia motor circuit. <i>Nature Reviews Neuroscience</i> , 2005 , 6, 787-98	13.5	272
522	Molecular determinants of metabotropic glutamate receptor signaling. <i>Trends in Pharmacological Sciences</i> , 2001 , 22, 114-20	13.2	271
521	Vitamin D3: a helpful immuno-modulator. <i>Immunology</i> , 2011 , 134, 123-39	7.8	254
520	Prenatal restraint stress generates two distinct behavioral and neurochemical profiles in male and female rats. <i>PLoS ONE</i> , 2008 , 3, e2170	3.7	253
519	Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR cascade inhibitors: how mutations can result in therapy resistance and how to overcome resistance. <i>Oncotarget</i> , 2012 , 3, 1068-111	3.3	250
518	ISO-1 binding to the tautomerase active site of MIF inhibits its pro-inflammatory activity and increases survival in severe sepsis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 36541-4	5.4	229
517	Mutations and deregulation of Ras/Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR cascades which alter therapy response. <i>Oncotarget</i> , 2012 , 3, 954-87	3.3	214
516	Molecular mechanisms involved in NAFLD progression. <i>Journal of Molecular Medicine</i> , 2009 , 87, 679-95	5.5	207
515	Activation of cell-cycle-associated proteins in neuronal death: a mandatory or dispensable path?. <i>Trends in Neurosciences</i> , 2001 , 24, 25-31	13.3	201
514	Epigenetic modifications of GABAergic interneurons are associated with the schizophrenia-like phenotype induced by prenatal stress in mice. <i>Neuropharmacology</i> , 2013 , 68, 184-94	5.5	195
513	Roles of the Ras/Raf/MEK/ERK pathway in leukemia therapy. <i>Leukemia</i> , 2011 , 25, 1080-94	10.7	192

512	Changes in BDNF serum levels in patients with major depression disorder (MDD) after 6 months treatment with sertraline, escitalopram, or venlafaxine. <i>Journal of Psychiatric Research</i> , 2009 , 43, 247-54	5.2	189
511	Depression and Alzheimer's disease: neurobiological links and common pharmacological targets. <i>European Journal of Pharmacology</i> , 2010 , 626, 64-71	5.3	186
510	L-acetylcarnitine causes rapid antidepressant effects through the epigenetic induction of mGlu2 receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4804-9	11.5	183
509	Deregulation of the EGFR/PI3K/PTEN/Akt/mTORC1 pathway in breast cancer: possibilities for therapeutic intervention. <i>Oncotarget</i> , 2014 , 5, 4603-50	3.3	179
508	Biphasic effect of interferon-gamma in murine collagen-induced arthritis. <i>European Journal of Immunology</i> , 1995 , 25, 1184-90	6.1	176
507	Multifaceted roles of GSK-3 and Wnt/ β -catenin in hematopoiesis and leukemogenesis: opportunities for therapeutic intervention. <i>Leukemia</i> , 2014 , 28, 15-33	10.7	172
506	The use of knock-out mice unravels distinct roles for mGlu2 and mGlu3 metabotropic glutamate receptors in mechanisms of neurodegeneration/neuroprotection. <i>Journal of Neuroscience</i> , 2007 , 27, 8297-308	6.6	166
505	Targeting the leukemic stem cell: the Holy Grail of leukemia therapy. <i>Leukemia</i> , 2009 , 23, 25-42	10.7	161
504	Metabotropic glutamate 1 receptor: current concepts and perspectives. <i>Pharmacological Reviews</i> , 2008 , 60, 536-81	22.5	161
503	TGF- β 1 targets the GSK-3 β / β -catenin pathway via ERK activation in the transition of human lung fibroblasts into myofibroblasts. <i>Pharmacological Research</i> , 2008 , 57, 274-82	10.2	159
502	Targeting the translational apparatus to improve leukemia therapy: roles of the PI3K/PTEN/Akt/mTOR pathway. <i>Leukemia</i> , 2011 , 25, 1064-79	10.7	156
501	PIK3CA mutations in human solid tumors: role in sensitivity to various therapeutic approaches. <i>Cell Cycle</i> , 2009 , 8, 1352-8	4.7	133
500	Serum concentrations of the interferon-gamma-inducible chemokine IP-10/CXCL10 are augmented in both newly diagnosed Type I diabetes mellitus patients and subjects at risk of developing the disease. <i>Diabetologia</i> , 2002 , 45, 1107-10	10.3	133
499	Endothelial activation by aPL: a potential pathogenetic mechanism for the clinical manifestations of the syndrome. <i>Journal of Autoimmunity</i> , 2000 , 15, 237-40	15.5	126
498	Therapeutic resistance resulting from mutations in Raf/MEK/ERK and PI3K/PTEN/Akt/mTOR signaling pathways. <i>Journal of Cellular Physiology</i> , 2011 , 226, 2762-81	7	124
497	Chronic agomelatine treatment corrects behavioral, cellular, and biochemical abnormalities induced by prenatal stress in rats. <i>Psychopharmacology</i> , 2011 , 217, 301-13	4.7	121
496	Metabotropic glutamate receptor-4 modulates adaptive immunity and restrains neuroinflammation. <i>Nature Medicine</i> , 2010 , 16, 897-902	50.5	117
495	Induction of Dickkopf-1, a negative modulator of the Wnt pathway, is required for the development of ischemic neuronal death. <i>Journal of Neuroscience</i> , 2005 , 25, 2647-57	6.6	115

494	Akt as a therapeutic target in cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2008 , 12, 1139-65	6.4	114
493	The Wnt pathway, cell-cycle activation and beta-amyloid: novel therapeutic strategies in Alzheimer's disease?. <i>Trends in Pharmacological Sciences</i> , 2003 , 24, 233-8	13.2	114
492	Effects of resveratrol, curcumin, berberine and other nutraceuticals on aging, cancer development, cancer stem cells and microRNAs. <i>Aging</i> , 2017 , 9, 1477-1536	5.6	112
491	Effects of tumour necrosis factor-alpha on human sperm motility and apoptosis. <i>Journal of Clinical Immunology</i> , 2007 , 27, 152-62	5.7	112
490	Functional characterization of WNT7A signaling in PC12 cells: interaction with A FZD5 x LRP6 receptor complex and modulation by Dickkopf proteins. <i>Journal of Biological Chemistry</i> , 2003 , 278, 37024-31	5.4	107
489	Critical role of macrophage migration inhibitory factor activity in experimental autoimmune diabetes. <i>Endocrinology</i> , 2005 , 146, 2942-51	4.8	105
488	Inflammation subverts hippocampal synaptic plasticity in experimental multiple sclerosis. <i>PLoS ONE</i> , 2013 , 8, e54666	3.7	104
487	Protective effect of the metabotropic glutamate receptor agonist, DCG-IV, against excitotoxic neuronal death. <i>European Journal of Pharmacology</i> , 1994 , 256, 109-12	5.3	104
486	Endogenous activation of mGlu5 metabotropic glutamate receptors contributes to the development of nigro-striatal damage induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in mice. <i>Journal of Neuroscience</i> , 2004 , 24, 828-35	6.6	103
485	Elevated serum levels of interleukin-12 in chronic progressive multiple sclerosis. <i>Journal of Neuroimmunology</i> , 1996 , 70, 87-90	3.5	103
484	Pharmacological activation of mGlu4 metabotropic glutamate receptors reduces nigrostriatal degeneration in mice treated with 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. <i>Journal of Neuroscience</i> , 2006 , 26, 7222-9	6.6	102
483	Neuroprotective activity of chemokines against N-methyl-D-aspartate or beta-amyloid-induced toxicity in culture. <i>European Journal of Pharmacology</i> , 2000 , 399, 117-21	5.3	101
482	Effects of mutations in Wnt/ β -catenin, hedgehog, Notch and PI3K pathways on GSK-3 activity-Diverse effects on cell growth, metabolism and cancer. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 2942-2976	4.9	101
481	Metabotropic glutamate receptors in glial cells. <i>Neurochemical Research</i> , 2008 , 33, 2436-43	4.6	98
480	The Raf/MEK/ERK pathway can govern drug resistance, apoptosis and sensitivity to targeted therapy. <i>Cell Cycle</i> , 2010 , 9, 1781-91	4.7	97
479	Comparative effects of estradiol benzoate, the antiestrogen clomiphene citrate, and the progestin medroxyprogesterone acetate on kainic acid-induced seizures in male and female rats. <i>Epilepsia</i> , 1985 , 26, 252-7	6.4	97
478	Ageing: from inflammation to cancer. <i>Immunity and Ageing</i> , 2018 , 15, 1	9.7	96
477	Anxiety-like behaviour and associated neurochemical and endocrinological alterations in male pups exposed to prenatal stress. <i>Psychoneuroendocrinology</i> , 2012 , 37, 1646-58	5	94

476	Induction of the Wnt antagonist, Dickkopf-1, contributes to the development of neuronal death in models of brain focal ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 264-76	7.3	93
475	Pharmacological activation of group-II metabotropic glutamate receptors corrects a schizophrenia-like phenotype induced by prenatal stress in mice. <i>Neuropsychopharmacology</i> , 2012 , 37, 929-38	8.7	92
474	The neuropathic pain: An overview of the current treatment and future therapeutic approaches. <i>International Journal of Immunopathology and Pharmacology</i> , 2019 , 33, 2058738419838383	3	91
473	Protection from experimental autoimmune diabetes in the non-obese diabetic mouse with soluble interleukin-1 receptor. <i>European Journal of Immunology</i> , 1994 , 24, 1843-7	6.1	91
472	Phytol: A review of biomedical activities. <i>Food and Chemical Toxicology</i> , 2018 , 121, 82-94	4.7	90
471	Targeting group II metabotropic glutamate (mGlu) receptors for the treatment of psychosis associated with Alzheimer β disease: selective activation of mGlu2 receptors amplifies beta-amyloid toxicity in cultured neurons, whereas dual activation of mGlu2 and mGlu3 receptors is	4.3	89
470	Selective blockade of type-1 metabotropic glutamate receptors induces neuroprotection by enhancing gabaergic transmission. <i>Molecular and Cellular Neurosciences</i> , 2001 , 17, 1071-83	4.8	89
469	Inhibition of Wnt signaling, modulation of Tau phosphorylation and induction of neuronal cell death by DKK1. <i>Neurobiology of Disease</i> , 2006 , 24, 254-65	7.5	87
468	Pharmacological blockade of group II metabotropic glutamate receptors reduces the growth of glioma cells in vivo. <i>Neuro-Oncology</i> , 2005 , 7, 236-45	1	86
467	mTOR as a multifunctional therapeutic target in HIV infection. <i>Drug Discovery Today</i> , 2011 , 16, 715-21	8.8	84
466	Neurobiological links between depression and AD: The role of TGF- β signaling as a new pharmacological target. <i>Pharmacological Research</i> , 2018 , 130, 374-384	10.2	83
465	Induction of the Wnt inhibitor, Dickkopf-1, is associated with neurodegeneration related to temporal lobe epilepsy. <i>Epilepsia</i> , 2007 , 48, 694-705	6.4	82
464	Opposite influence of the metabotropic glutamate receptor subtypes mGlu3 and -5 on astrocyte proliferation in culture. <i>Glia</i> , 1997 , 21, 390-8	9	81
463	Chitotriosidase and inflammatory mediator levels in Alzheimer β disease and cerebrovascular dementia. <i>European Journal of Neuroscience</i> , 2006 , 23, 2648-56	3.5	81
462	The Role of Macrophages in Neuroinflammatory and Neurodegenerative Pathways of Alzheimer β Disease, Amyotrophic Lateral Sclerosis, and Multiple Sclerosis: Pathogenetic Cellular Effectors and Potential Therapeutic Targets. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	79
461	Human anticardiolipin monoclonal autoantibodies cause placental necrosis and fetal loss in BALB/c mice. <i>Arthritis and Rheumatism</i> , 1998 , 41, 1026-39		79
460	The effects of a monoclonal antibody to interferon-gamma on experimental autoimmune thyroiditis (EAT): prevention of disease and decrease of EAT-specific T cells. <i>European Journal of Immunology</i> , 1993 , 23, 275-8	6.1	79
459	Metabotropic glutamate receptors and the control of chronic pain. <i>Current Opinion in Pharmacology</i> , 2012 , 12, 28-34	5.1	78

458	Metabotropic glutamate receptors as drug targets: what's new?. <i>Current Opinion in Pharmacology</i> , 2015 , 20, 89-94	5.1	76
457	Anxiety-like behavior of prenatally stressed rats is associated with a selective reduction of glutamate release in the ventral hippocampus. <i>Journal of Neuroscience</i> , 2012 , 32, 17143-54	6.6	76
456	TGF- β pathway as a new target for neuroprotection in Alzheimer's disease. <i>CNS Neuroscience and Therapeutics</i> , 2011 , 17, 237-49	6.8	76
455	Serum levels of the interferon-gamma-inducing cytokine interleukin-18 are increased in individuals at high risk of developing type I diabetes. <i>Diabetologia</i> , 2001 , 44, 309-11	10.3	76
454	Interleukin-13 prevents autoimmune diabetes in NOD mice. <i>Diabetes</i> , 1999 , 48, 1522-8	0.9	76
453	Experience-induced Arc/Arg3.1 primes CA1 pyramidal neurons for metabotropic glutamate receptor-dependent long-term synaptic depression. <i>Neuron</i> , 2013 , 80, 72-9	13.9	75
452	The effects of antidepressant treatment in prenatally stressed rats support the glutamatergic hypothesis of stress-related disorders. <i>Journal of Neuroscience</i> , 2014 , 34, 2015-24	6.6	75
451	Chitotriosidase gene expression in Kupffer cells from patients with non-alcoholic fatty liver disease. <i>Gut</i> , 2006 , 55, 1313-20	19.2	75
450	Increased serum levels of interleukin-18 in patients with multiple sclerosis. <i>Neurology</i> , 2001 , 57, 342-4	6.5	75
449	Circulating serum levels of IL-1ra in patients with relapsing remitting multiple sclerosis are normal during remission phases but significantly increased either during exacerbations or in response to IFN-beta treatment. <i>Cytokine</i> , 1996 , 8, 395-400	4	75
448	Role of G protein-coupled receptor kinase 4 and beta-arrestin 1 in agonist-stimulated metabotropic glutamate receptor 1 internalization and activation of mitogen-activated protein kinases. <i>Journal of Biological Chemistry</i> , 2003 , 278, 12433-42	5.4	73
447	The therapeutic potential of mTOR inhibitors in breast cancer. <i>British Journal of Clinical Pharmacology</i> , 2016 , 82, 1189-1212	3.8	72
446	Sodium fusidate and increased remission rate of insulin-dependent diabetes mellitus. <i>Lancet, The</i> , 1991 , 337, 1292	4.0	72
445	Involvement of Akt and mTOR in chemotherapeutic- and hormonal-based drug resistance and response to radiation in breast cancer cells. <i>Cell Cycle</i> , 2011 , 10, 3003-15	4.7	71
444	Activation of group III metabotropic glutamate receptors inhibits the production of RANTES in glial cell cultures. <i>Journal of Neuroscience</i> , 2002 , 22, 5403-11	6.6	71
443	Transcriptional landscape of SARS-CoV-2 infection dismantles pathogenic pathways activated by the virus, proposes unique sex-specific differences and predicts tailored therapeutic strategies. <i>Autoimmunity Reviews</i> , 2020 , 19, 102571	13.6	69
442	Dysfunction of TGF- β signaling in Alzheimer's disease: perspectives for neuroprotection. <i>Cell and Tissue Research</i> , 2012 , 347, 291-301	4.2	69
441	Fear conditioning-induced time- and subregion-specific increase in expression of mGlu5 receptor protein in rat hippocampus. <i>Neuropharmacology</i> , 2000 , 39, 1943-51	5.5	69

440	Involvement of Akt-1 and mTOR in sensitivity of breast cancer to targeted therapy. <i>Oncotarget</i> , 2011 , 2, 538-50	3.3	69
439	Roles of GSK-3 and microRNAs on epithelial mesenchymal transition and cancer stem cells. <i>Oncotarget</i> , 2017 , 8, 14221-14250	3.3	68
438	Transcriptional regulation of type-2 metabotropic glutamate receptors: an epigenetic path to novel treatments for chronic pain. <i>Trends in Pharmacological Sciences</i> , 2010 , 31, 153-60	13.2	68
437	BRAF inhibition improves tumor recognition by the immune system: Potential implications for combinatorial therapies against melanoma involving adoptive T-cell transfer. <i>Onc Immunology</i> , 2012 , 1, 1476-1483	7.2	68
436	Pharmacological blockade of mGlu2/3 metabotropic glutamate receptors reduces cell proliferation in cultured human glioma cells. <i>Journal of Neurochemistry</i> , 2003 , 84, 1288-95	6	68
435	Macrophage migration inhibitory factor (MIF) is necessary for progression of autoimmune diabetes mellitus. <i>Journal of Cellular Physiology</i> , 2008 , 215, 665-75	7	67
434	DNA polymerase-beta is expressed early in neurons of Alzheimer's disease brain and is loaded into DNA replication forks in neurons challenged with beta-amyloid. <i>Journal of Neuroscience</i> , 2006 , 26, 10949-57	6.6	67
433	Murine concanavalin A-induced hepatitis is prevented by interleukin 12 (IL-12) antibody and exacerbated by exogenous IL-12 through an interferon-gamma-dependent mechanism. <i>Hepatology</i> , 2000 , 32, 728-33	11.2	67
432	Glutamatergic alterations and mitochondrial impairment in a murine model of Alzheimer disease. <i>Neurobiology of Aging</i> , 2012 , 33, 1121.e1-12	5.6	66
431	TGF-beta 1 protects against Abeta-neurotoxicity via the phosphatidylinositol-3-kinase pathway. <i>Neurobiology of Disease</i> , 2008 , 30, 234-42	7.5	66
430	Molecular signalling mediating the protective effect of A1 adenosine and mGlu3 metabotropic glutamate receptor activation against apoptosis by oxygen/glucose deprivation in cultured astrocytes. <i>Molecular Pharmacology</i> , 2007 , 71, 1369-80	4.3	66
429	Dysregulation of group-I metabotropic glutamate (mGlu) receptor mediated signalling in disorders associated with Intellectual Disability and Autism. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 46 Pt 2, 228-41	9	65
428	Novel benzo[b]thiophene derivatives as new potential antidepressants with rapid onset of action. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 3086-90	8.3	65
427	Diverse roles of GSK-3: tumor promoter-tumor suppressor, target in cancer therapy. <i>Advances in Biological Regulation</i> , 2014 , 54, 176-96	6.2	64
426	Fingolimod protects cultured cortical neurons against excitotoxic death. <i>Pharmacological Research</i> , 2013 , 67, 1-9	10.2	64
425	The analysis of IL-1 beta and its naturally occurring inhibitors in multiple sclerosis: The elevation of IL-1 receptor antagonist and IL-1 receptor type II after steroid therapy. <i>Journal of Neuroimmunology</i> , 2009 , 207, 101-6	3.5	64
424	Prevention of endotoxin-induced lethality in neonatal mice by interleukin-13. <i>European Journal of Immunology</i> , 1997 , 27, 1580-3	6.1	64
423	Anticancer properties of the novel nitric oxide-donating compound (S,R)-3-phenyl-4,5-dihydro-5-isoxazole acetic acid-nitric oxide in vitro and in vivo. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 510-20	6.1	64

422	Placental thrombosis and fetal loss after passive transfer of mouse lupus monoclonal or human polyclonal anti-cardiolipin antibodies in pregnant naive BALB/c mice. <i>Scandinavian Journal of Immunology</i> , 1995 , 41, 427-32	3.4	64
421	Blood levels of transforming growth factor-beta 1 (TGF-beta1) are elevated in both relapsing remitting and chronic progressive multiple sclerosis (MS) patients and are further augmented by treatment with interferon-beta 1b (IFN-beta1b). <i>Clinical and Experimental Immunology</i> , 1998 , 113, 96-9	6.2	63
420	Pharmacological activation of mGlu4 metabotropic glutamate receptors inhibits the growth of medulloblastomas. <i>Journal of Neuroscience</i> , 2006 , 26, 8388-97	6.6	63
419	Aberrant Expression of MHC Class II in Melanoma Attracts Inflammatory Tumor-Specific CD4+ T-Cells, Which Dampen CD8+ T-cell Antitumor Reactivity. <i>Cancer Research</i> , 2015 , 75, 3747-59	10.1	62
418	Changes in mGlu5 receptor-dependent synaptic plasticity and coupling to homer proteins in the hippocampus of Ube3A hemizygous mice modeling angelman syndrome. <i>Journal of Neuroscience</i> , 2014 , 34, 4558-66	6.6	62
417	Treatment with rapamycin ameliorates clinical and histological signs of protracted relapsing experimental allergic encephalomyelitis in Dark Agouti rats and induces expansion of peripheral CD4+CD25+Foxp3+ regulatory T cells. <i>Journal of Autoimmunity</i> , 2009 , 33, 135-40	15.5	62
416	Inhibition of the canonical Wnt signaling pathway by apolipoprotein E4 in PC12 cells. <i>Journal of Neurochemistry</i> , 2006 , 98, 364-71	6	62
415	Emerging therapeutic targets for the treatment of hepatic fibrosis. <i>Drug Discovery Today</i> , 2016 , 21, 369-83	8.5	61
414	The antiapoptotic effect of guanosine is mediated by the activation of the PI 3-kinase/AKT/PKB pathway in cultured rat astrocytes. <i>Glia</i> , 2004 , 46, 356-68	9	61
413	Induction of primary response genes by excitatory amino acid receptor agonists in primary astroglial cultures. <i>Journal of Neurochemistry</i> , 1993 , 60, 877-85	6	61
412	Interleukin-1 β promotes long-term potentiation in patients with multiple sclerosis. <i>NeuroMolecular Medicine</i> , 2014 , 16, 38-51	4.6	60
411	Chronic agomelatine treatment corrects the abnormalities in the circadian rhythm of motor activity and sleep/wake cycle induced by prenatal restraint stress in adult rats. <i>International Journal of Neuropsychopharmacology</i> , 2013 , 16, 323-38	5.8	60
410	MIF in autoimmunity and novel therapeutic approaches. <i>Autoimmunity Reviews</i> , 2009 , 8, 244-9	13.6	60
409	Activation of group II metabotropic glutamate receptors promotes DNA demethylation in the mouse brain. <i>Molecular Pharmacology</i> , 2011 , 80, 174-82	4.3	59
408	Involvement of p53 and Raf/MEK/ERK pathways in hematopoietic drug resistance. <i>Leukemia</i> , 2008 , 22, 2080-90	10.7	59
407	Transcriptional regulation of metabotropic glutamate receptor 2/3 expression by the NF-kappaB pathway in primary dorsal root ganglia neurons: a possible mechanism for the analgesic effect of L-acetylcarnitine. <i>Molecular Pain</i> , 2006 , 2, 20	3.4	59
406	Antibodies to endothelial cells in primary vasculitides mediate in vitro endothelial cytotoxicity in the presence of normal peripheral blood mononuclear cells. <i>Clinical Immunology and Immunopathology</i> , 1992 , 63, 267-74		59
405	Protective role of group-II metabotropic glutamate receptors against nigro-striatal degeneration induced by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine in mice. <i>Neuropharmacology</i> , 2003 , 45, 155-66	5.5	58

404	Macrophage migration inhibitory factor (MIF) seems crucially involved in Guillain-Barré syndrome and experimental allergic neuritis. <i>Journal of Neuroimmunology</i> , 2005 , 168, 168-74	3.5	58
403	Prevention of clinical and histological signs of proteolipid protein (PLP)-induced experimental allergic encephalomyelitis (EAE) in mice by the water-soluble carbon monoxide-releasing molecule (CORM)-A1. <i>Clinical and Experimental Immunology</i> , 2011 , 163, 368-74	6.2	57
402	In vitro type-1 and type-2 cytokine production in systemic lupus erythematosus: lack of relationship with clinical disease activity. <i>Lupus</i> , 1996 , 5, 139-45	2.6	57
401	Potential use of rapamycin in HIV infection. <i>British Journal of Clinical Pharmacology</i> , 2010 , 70, 784-93	3.8	56
400	Metabotropic glutamate receptors in stem/progenitor cells. <i>Neuropharmacology</i> , 2007 , 53, 473-80	5.5	56
399	Concanavalin A-induced hepatitis in mice is prevented by interleukin (IL)-10 and exacerbated by endogenous IL-10 deficiency. <i>Autoimmunity</i> , 1999 , 31, 75-83	3	56
398	Functional partnership between mGlu3 and mGlu5 metabotropic glutamate receptors in the central nervous system. <i>Neuropharmacology</i> , 2018 , 128, 301-313	5.5	55
397	Preclinical evaluation of the PI3K/Akt/mTOR pathway in animal models of multiple sclerosis. <i>Oncotarget</i> , 2018 , 9, 8263-8277	3.3	54
396	Contribution of the macrophage migration inhibitory factor superfamily of cytokines in the pathogenesis of preclinical and human multiple sclerosis: In silico and in vivo evidences. <i>Journal of Neuroimmunology</i> , 2018 , 322, 46-56	3.5	54
395	HIV-protease inhibitors for the treatment of cancer: Repositioning HIV protease inhibitors while developing more potent NO-hybridized derivatives?. <i>International Journal of Cancer</i> , 2017 , 140, 1713-1726	7.5	53
394	An activity-dependent switch from facilitation to inhibition in the control of excitotoxicity by group I metabotropic glutamate receptors. <i>European Journal of Neuroscience</i> , 2001 , 13, 1469-78	3.5	53
393	Prevention of diabetes in BB/Wor rats treated with monoclonal antibodies to interferon-gamma. <i>Lancet, The</i> , 1990 , 336, 319	4.0	51
392	Emerging MEK inhibitors. <i>Expert Opinion on Emerging Drugs</i> , 2010 , 15, 203-23	3.7	50
391	Inhibition of human immunodeficiency virus (HIV-1) infection in human peripheral blood leucocytes-SCID reconstituted mice by rapamycin. <i>Clinical and Experimental Immunology</i> , 2009 , 155, 28-34	6.2	50
390	Transglutaminase 2 ablation leads to defective function of mitochondrial respiratory complex I affecting neuronal vulnerability in experimental models of extrapyramidal disorders. <i>Journal of Neurochemistry</i> , 2007 , 100, 36-49	6	50
389	The impact of metabotropic glutamate receptors into active neurodegenerative processes: A "dark side" in the development of new symptomatic treatments for neurologic and psychiatric disorders. <i>Neuropharmacology</i> , 2017 , 115, 180-192	5.5	49
388	Metabotropic glutamate receptors in neurodegeneration/neuroprotection: still a hot topic?. <i>Neurochemistry International</i> , 2012 , 61, 559-65	4.4	49
387	Therapeutic potential of carbon monoxide in multiple sclerosis. <i>Clinical and Experimental Immunology</i> , 2012 , 167, 179-87	6.2	49

386	Neuroprotective effect of prenyloxycoumarins from edible vegetables. <i>Neuroscience Letters</i> , 2008 , 443, 57-60	3.3	49
385	mGluR5 mediates the interaction between late-LTP, network activity, and learning. <i>PLoS ONE</i> , 2008 , 3, e2155	3.7	49
384	The Wnt antagonist, Dickkopf-1, as a target for the treatment of neurodegenerative disorders. <i>Neurochemical Research</i> , 2008 , 33, 2401-6	4.6	49
383	Insulin secretion is controlled by mGlu5 metabotropic glutamate receptors. <i>Molecular Pharmacology</i> , 2006 , 69, 1234-41	4.3	49
382	Dichotomic effects of IFN-gamma on the development of systemic lupus erythematosus-like syndrome in MRL-lpr / lpr mice. <i>European Journal of Immunology</i> , 2000 , 30, 438-47	6.1	49
381	Pharmacological application of carbon monoxide ameliorates islet-directed autoimmunity in mice via anti-inflammatory and anti-apoptotic effects. <i>Diabetologia</i> , 2014 , 57, 980-90	10.3	48
380	Essential pathogenetic role for interferon (IFN-)gamma in concanavalin A-induced T cell-dependent hepatitis: exacerbation by exogenous IFN-gamma and prevention by IFN-gamma receptor-immunoglobulin fusion protein. <i>Cytokine</i> , 2000 , 12, 315-23	4	48
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