

# Michael Maes

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3359396/michael-maes-publications-by-citations.pdf>

**Version:** 2024-04-17

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

843  
papers

46,861  
citations

106  
h-index

181  
g-index

925  
ext. papers

53,910  
ext. citations

5.2  
avg, IF

7.86  
L-index

#	Paper	IF	Citations
843	Pathways underlying neuroprogression in bipolar disorder: focus on inflammation, oxidative stress and neurotrophic factors. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2011</b> , 35, 804-17	9	844
842	Cytokines and major depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2005</b> , 29, 201-17	5.5	832
841	A review on the oxidative and nitrosative stress (O&NS) pathways in major depression and their possible contribution to the (neuro)degenerative processes in that illness. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2011</b> , 35, 676-92	5.5	745
840	Evidence for an immune response in major depression: a review and hypothesis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>1995</b> , 19, 11-38	5.5	700
839	So depression is an inflammatory disease, but where does the inflammation come from?. <i>BMC Medicine</i> , <b>2013</b> , 11, 200	11.4	690
838	The inflammatory & neurodegenerative (I&ND) hypothesis of depression: leads for future research and new drug developments in depression. <i>Metabolic Brain Disease</i> , <b>2009</b> , 24, 27-53	3.9	654
837	Peripheral cytokine and chemokine alterations in depression: a meta-analysis of 82 studies. <i>Acta Psychiatrica Scandinavica</i> , <b>2017</b> , 135, 373-387	6.5	577
836	Mechanistic explanations how cell-mediated immune activation, inflammation and oxidative and nitrosative stress pathways and their sequels and concomitants play a role in the pathophysiology of unipolar depression. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2012</b> , 36, 764-85	9	568
835	Increased serum IL-6 and IL-1 receptor antagonist concentrations in major depression and treatment resistant depression. <i>Cytokine</i> , <b>1997</b> , 9, 853-8	4	565
834	The effects of psychological stress on humans: increased production of pro-inflammatory cytokines and a Th1-like response in stress-induced anxiety. <i>Cytokine</i> , <b>1998</b> , 10, 313-8	4	564
833	Anatomy of the anterolateral ligament of the knee. <i>Journal of Anatomy</i> , <b>2013</b> , 223, 321-8	2.9	524
832	Increased plasma concentrations of interleukin-6, soluble interleukin-6, soluble interleukin-2 and transferrin receptor in major depression. <i>Journal of Affective Disorders</i> , <b>1995</b> , 34, 301-9	6.6	510
831	Selective adsorption and separation of xylene isomers and ethylbenzene with the microporous vanadium(IV) terephthalate MIL-47. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 4293-7	16.4	462
830	The new M-HTM hypothesis of depression: cell-mediated immune activation induces indoleamine 2,3-dioxygenase, which leads to lower plasma tryptophan and an increased synthesis of detrimental tryptophan catabolites (TRYCATs), both of which contribute to the onset of depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2011</b> , 35, 702-21	5.5	421
829	Major depression and activation of the inflammatory response system. <i>Advances in Experimental Medicine and Biology</i> , <b>1999</b> , 461, 25-46	3.6	412
828	Association between decreased serum tryptophan concentrations and depressive symptoms in cancer patients undergoing cytokine therapy. <i>Molecular Psychiatry</i> , <b>2002</b> , 7, 468-73	15.1	370
827	Relationships between interleukin-6 activity, acute phase proteins, and function of the hypothalamic-pituitary-adrenal axis in severe depression. <i>Psychiatry Research</i> , <b>1993</b> , 49, 11-27	9.9	361

826	Lowered omega3 polyunsaturated fatty acids in serum phospholipids and cholesteryl esters of depressed patients. <i>Psychiatry Research</i> , <b>1999</b> , 85, 275-91	9.9	359
825	Depression is an inflammatory disease, but cell-mediated immune activation is the key component of depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2011</b> , 35, 664-75	5.5	353
824	Depression and sickness behavior are Janus-faced responses to shared inflammatory pathways. <i>BMC Medicine</i> , <b>2012</b> , 10, 66	11.4	347
823	Selective adsorption and separation of ortho-substituted alkylaromatics with the microporous aluminum terephthalate MIL-53. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 14170-8	16.4	345
822	IDO and interferon-alpha-induced depressive symptoms: a shift in hypothesis from tryptophan depletion to neurotoxicity. <i>Molecular Psychiatry</i> , <b>2005</b> , 10, 538-44	15.1	345
821	Interleukin-2 and interleukin-6 in schizophrenia and mania: effects of neuroleptics and mood stabilizers. <i>Journal of Psychiatric Research</i> , <b>1995</b> , 29, 141-52	5.2	339
820	The neuroprogressive nature of major depressive disorder: pathways to disease evolution and resistance, and therapeutic implications. <i>Molecular Psychiatry</i> , <b>2013</b> , 18, 595-606	15.1	338
819	Indicators of immune activation in major depression. <i>Psychiatry Research</i> , <b>1996</b> , 64, 161-7	9.9	335
818	Fatty acid composition in major depression: decreased omega 3 fractions in cholesteryl esters and increased C20: 4 omega 6/C20:5 omega 3 ratio in cholesteryl esters and phospholipids. <i>Journal of Affective Disorders</i> , <b>1996</b> , 38, 35-46	6.6	326
817	Increased depressive ratings in patients with hepatitis C receiving interferon-alpha-based immunotherapy are related to interferon-alpha-induced changes in the serotonergic system. <i>Journal of Clinical Psychopharmacology</i> , <b>2002</b> , 22, 86-90	1.7	317
816	In animal models, psychosocial stress-induced (neuro)inflammation, apoptosis and reduced neurogenesis are associated to the onset of depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2011</b> , 35, 744-59	5.5	298
815	Role of the Toll Like receptor (TLR) radical cycle in chronic inflammation: possible treatments targeting the TLR4 pathway. <i>Molecular Neurobiology</i> , <b>2013</b> , 48, 190-204	6.2	296
814	Increased IgA and IgM responses against gut commensals in chronic depression: further evidence for increased bacterial translocation or leaky gut. <i>Journal of Affective Disorders</i> , <b>2012</b> , 141, 55-62	6.6	291
813	Elevated serum interleukin-6 (IL-6) and IL-6 receptor concentrations in posttraumatic stress disorder following accidental man-made traumatic events. <i>Biological Psychiatry</i> , <b>1999</b> , 45, 833-9	7.9	290
812	Acute phase proteins in schizophrenia, mania and major depression: modulation by psychotropic drugs. <i>Psychiatry Research</i> , <b>1997</b> , 66, 1-11	9.9	283
811	Effects of antidepressants on the production of cytokines. <i>International Journal of Neuropsychopharmacology</i> , <b>2002</b> , 5, 401-12	5.8	270
810	The gut-brain barrier in major depression: intestinal mucosal dysfunction with an increased translocation of LPS from gram negative enterobacteria (leaky gut) plays a role in the inflammatory pathophysiology of depression. <i>Neuroendocrinology Letters</i> , <b>2008</b> , 29, 117-24	0.3	269
809	The inflammatory response system in treatment-resistant schizophrenia: increased serum interleukin-6. <i>Schizophrenia Research</i> , <b>1998</b> , 32, 9-15	3.6	265

808	Oxidative & nitrosative stress in depression: why so much stress?. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2014</b> , 45, 46-62	9	263
807	Negative immunoregulatory effects of antidepressants: inhibition of interferon-gamma and stimulation of interleukin-10 secretion. <i>Neuropsychopharmacology</i> , <b>1999</b> , 20, 370-9	8.7	259
806	Anti-Inflammatory effects of antidepressants through suppression of the interferon-gamma/interleukin-10 production ratio. <i>Journal of Clinical Psychopharmacology</i> , <b>2001</b> , 21, 199-206	1.7	253
805	New drug targets in depression: inflammatory, cell-mediated immune, oxidative and nitrosative stress, mitochondrial, antioxidant, and neuroprogressive pathways. And new drug candidates--Nrf2 activators and GSK-3 inhibitors. <i>Inflammopharmacology</i> , <b>2012</b> , 20, 127-50	5.1	236
804	The psychoneuroimmuno-pathophysiology of cytokine-induced depression in humans. <i>International Journal of Neuropsychopharmacology</i> , <b>2002</b> , 5, 375-88	5.8	236
803	Increased neopterin and interferon-gamma secretion and lower availability of L-tryptophan in major depression: further evidence for an immune response. <i>Psychiatry Research</i> , <b>1994</b> , 54, 143-60	9.9	233
802	Inflammation markers in relation to cognition in a healthy aging population. <i>Journal of Neuroimmunology</i> , <b>2003</b> , 134, 142-50	3.5	224
801	Increased serum tumor necrosis factor alpha concentrations in major depression and multiple sclerosis. <i>European Neuropsychopharmacology</i> , <b>2001</b> , 11, 203-8	1.2	224
800	Solvent resistant nanofiltration (SRNF) membranes based on metal-organic frameworks. <i>Journal of Membrane Science</i> , <b>2009</b> , 344, 190-198	9.6	221
799	Lower serum vitamin E concentrations in major depression. Another marker of lowered antioxidant defenses in that illness. <i>Journal of Affective Disorders</i> , <b>2000</b> , 58, 241-6	6.6	215
798	Depression induced by treatment with interferon-alpha in patients affected by hepatitis C virus. <i>Journal of Affective Disorders</i> , <b>2002</b> , 72, 237-41	6.6	208
797	Activation of the inflammatory response system in autism. <i>Neuropsychobiology</i> , <b>2002</b> , 45, 1-6	4	204
796	Peripheral Alterations in Cytokine and Chemokine Levels After Antidepressant Drug Treatment for Major Depressive Disorder: Systematic Review and Meta-Analysis. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 4195-4206	6.2	200
795	The inflammatory response system and the availability of plasma tryptophan in patients with primary sleep disorders and major depression. <i>Journal of Affective Disorders</i> , <b>1998</b> , 49, 211-9	6.6	197
794	Immunotherapy with interferon-alpha in patients affected by chronic hepatitis C induces an intercorrelated stimulation of the cytokine network and an increase in depressive and anxiety symptoms. <i>Psychiatry Research</i> , <b>2001</b> , 105, 45-55	9.9	185
793	A review of vulnerability and risks for schizophrenia: Beyond the two hit hypothesis. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2016</b> , 65, 185-94	9	185
792	Lower serum zinc in major depression is a sensitive marker of treatment resistance and of the immune/inflammatory response in that illness. <i>Biological Psychiatry</i> , <b>1997</b> , 42, 349-58	7.9	184
791	The cytokine hypothesis of depression: inflammation, oxidative & nitrosative stress (IO&NS) and leaky gut as new targets for adjunctive treatments in depression. <i>Neuroendocrinology Letters</i> , <b>2008</b> , 29, 287-91	0.3	183

790	Separation of styrene and ethylbenzene on metal-organic frameworks: analogous structures with different adsorption mechanisms. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 15277-85	16.4	181
789	Biobutanol separation with the metal-organic framework ZIF-8. <i>ChemSusChem</i> , <b>2011</b> , 4, 1074-7	8.3	168
788	Association between immune activation and early depressive symptoms in cancer patients treated with interleukin-2-based therapy. <i>Psychoneuroendocrinology</i> , <b>2001</b> , 26, 797-808	5	168
787	Hypozincemia in depression. <i>Journal of Affective Disorders</i> , <b>1994</b> , 31, 135-40	6.6	168
786	A review on the acute phase response in major depression. <i>Reviews in the Neurosciences</i> , <b>1993</b> , 4, 407-16	4.7	166
785	Depression & multiple comorbidities explained by (neuro)inflammatory and oxidative & nitrosative stress pathways. <i>Neuroendocrinology Letters</i> , <b>2011</b> , 32, 7-24	0.3	166
784	Association between -G308A tumor necrosis factor alpha gene polymorphism and schizophrenia. <i>Molecular Psychiatry</i> , <b>2001</b> , 6, 79-82	15.1	163
783	The macrophage-T-lymphocyte theory of schizophrenia: additional evidence. <i>Medical Hypotheses</i> , <b>1995</b> , 45, 135-41	3.8	160
782	Separation of C(5)-hydrocarbons on microporous materials: complementary performance of MOFs and zeolites. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 2284-92	16.4	158
781	The role of indoleamine 2,3-dioxygenase (IDO) in the pathophysiology of interferon-alpha-induced depression. <i>Journal of Psychiatry and Neuroscience</i> , <b>2004</b> , 29, 11-7	4.5	156
780	In vivo immunomodulatory effects of clozapine in schizophrenia. <i>Schizophrenia Research</i> , <b>1997</b> , 26, 221-5	3.6	152
779	Partial posttraumatic stress disorder revisited. <i>Journal of Affective Disorders</i> , <b>2004</b> , 78, 37-48	6.6	149
778	Experimental models of liver fibrosis. <i>Archives of Toxicology</i> , <b>2016</b> , 90, 1025-1048	5.8	148
777	Framework breathing in the vapour-phase adsorption and separation of xylene isomers with the metal-organic framework MIL-53. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 7724-31	4.8	146
776	Selective removal of N-heterocyclic aromatic contaminants from fuels by Lewis acidic metal-organic frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 4210-4	16.4	145
775	Alterations in plasma prolyl endopeptidase activity in depression, mania, and schizophrenia: effects of antidepressants, mood stabilizers, and antipsychotic drugs. <i>Psychiatry Research</i> , <b>1995</b> , 58, 217-25	9.9	145
774	Depressive and anxiety symptoms in the early puerperium are related to increased degradation of tryptophan into kynurenine, a phenomenon which is related to immune activation. <i>Life Sciences</i> , <b>2002</b> , 71, 1837-48	6.8	144
773	Seasonal variation in plasma L-tryptophan availability in healthy volunteers. Relationships to violent suicide occurrence. <i>Archives of General Psychiatry</i> , <b>1995</b> , 52, 937-46		144

772	p-Xylene-selective metal-organic frameworks: a case of topology-directed selectivity. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 18526-9	16.4	142
771	Increased serum interleukin-8 and interleukin-10 in schizophrenic patients resistant to treatment with neuroleptics and the stimulatory effects of clozapine on serum leukemia inhibitory factor receptor. <i>Schizophrenia Research</i> , <b>2002</b> , 54, 281-91	3.6	140
770	Lowered serum n-3 polyunsaturated fatty acid (PUFA) levels predict the occurrence of postpartum depression: further evidence that lowered n-PUFAs are related to major depression. <i>Life Sciences</i> , <b>2003</b> , 73, 3181-7	6.8	137
769	Liquid-Phase Adsorption and Separation of Xylene Isomers by the Flexible Porous Metal-Organic Framework MIL-53(Fe). <i>Chemistry of Materials</i> , <b>2012</b> , 24, 2781-2791	9.6	136
768	In depression, bacterial translocation may drive inflammatory responses, oxidative and nitrosative stress (O&NS), and autoimmune responses directed against O&NS-damaged neoepitopes. <i>Acta Psychiatrica Scandinavica</i> , <b>2013</b> , 127, 344-54	6.5	134
767	Leukocytosis, monocytosis and neutrophilia: hallmarks of severe depression. <i>Journal of Psychiatric Research</i> , <b>1992</b> , 26, 125-34	5.2	130
766	Aspirin: a review of its neurobiological properties and therapeutic potential for mental illness. <i>BMC Medicine</i> , <b>2013</b> , 11, 74	11.4	129
765	The immunoregulatory effects of antidepressants. <i>Human Psychopharmacology</i> , <b>2001</b> , 16, 95-103	2.3	128
764	Gut Microbiota, Bacterial Translocation, and Interactions with Diet: Pathophysiological Links between Major Depressive Disorder and Non-Communicable Medical Comorbidities. <i>Psychotherapy and Psychosomatics</i> , <b>2017</b> , 86, 31-46	9.4	125
763	Curcumin for the treatment of major depression: a randomised, double-blind, placebo controlled study. <i>Journal of Affective Disorders</i> , <b>2014</b> , 167, 368-75	6.6	123
762	Plasma concentrations of excitatory amino acids, serine, glycine, taurine and histidine in major depression. <i>European Neuropsychopharmacology</i> , <b>1995</b> , 5 Suppl, 71-5	1.2	123
761	Cognitive remission: a novel objective for the treatment of major depression?. <i>BMC Medicine</i> , <b>2016</b> , 14, 9	11.4	123
760	Relationships between lower plasma L-tryptophan levels and immune-inflammatory variables in depression. <i>Psychiatry Research</i> , <b>1993</b> , 49, 151-65	9.9	122
759	The role of oxidative and nitrosative stress in accelerated aging and major depressive disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2016</b> , 65, 134-44	5.5	121
758	The Role of the Microbial Metabolites Including Tryptophan Catabolites and Short Chain Fatty Acids in the Pathophysiology of Immune-Inflammatory and Neuroimmune Disease. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 4432-4451	6.2	120
757	Interplay Between the Gut-Brain Axis, Obesity and Cognitive Function. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 155	5.1	120
756	The glutathione system: a new drug target in neuroimmune disorders. <i>Molecular Neurobiology</i> , <b>2014</b> , 50, 1059-84	6.2	119
755	Depression in cancer: The many biobehavioral pathways driving tumor progression. <i>Cancer Treatment Reviews</i> , <b>2017</b> , 52, 58-70	14.4	118



754	The Gut-Brain Axis, Including the Microbiome, Leaky Gut and Bacterial Translocation: Mechanisms and Pathophysiological Role in Alzheimer's Disease. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 6152-6166	3.3	116
753	Effects of serotonin and serotonergic agonists and antagonists on the production of tumor necrosis factor alpha and interleukin-6. <i>Psychiatry Research</i> , <b>2005</b> , 134, 251-8	9.9	114
752	Increased serum albumin, gamma globulin, immunoglobulin IgG, and IgG2 and IgG4 in autism. <i>Psychological Medicine</i> , <b>2002</b> , 32, 1457-63	6.9	114
751	Construct validity of the Beck Depression Inventory in a depressive population. <i>Journal of Affective Disorders</i> , <b>1997</b> , 46, 115-25	6.6	113
750	Activation of the metal-organic framework MIL-47 for selective adsorption of xylenes and other difunctionalized aromatics. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 2979-85	3.6	113
749	Comorbidity between depression and inflammatory bowel disease explained by immune-inflammatory, oxidative, and nitrosative stress; tryptophan catabolite; and gut-brain pathways. <i>CNS Spectrums</i> , <b>2016</b> , 21, 184-98	1.8	112
748	Lower serum prolyl endopeptidase enzyme activity in major depression: further evidence that peptidases play a role in the pathophysiology of depression. <i>Biological Psychiatry</i> , <b>1994</b> , 35, 545-52	7.9	112
747	Activation of cell-mediated immunity in depression: association with inflammation, melancholia, clinical staging and the fatigue and somatic symptom cluster of depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2012</b> , 36, 169-75	5.5	111
746	Targeting IL-1 in depression. <i>Expert Opinion on Therapeutic Targets</i> , <b>2012</b> , 16, 1097-112	6.4	111
745	Increased plasma peroxides and serum oxidized low density lipoprotein antibodies in major depression: markers that further explain the higher incidence of neurodegeneration and coronary artery disease. <i>Journal of Affective Disorders</i> , <b>2010</b> , 125, 287-94	6.6	111
744	Auditory event related potentials in major depression: prolonged P300 latency and increased P200 amplitude. <i>Journal of Affective Disorders</i> , <b>1998</b> , 48, 105-13	6.6	111
743	Increased serum IgA and IgM against LPS of enterobacteria in chronic fatigue syndrome (CFS): indication for the involvement of gram-negative enterobacteria in the etiology of CFS and for the presence of an increased gut-intestinal permeability. <i>Journal of Affective Disorders</i> , <b>2007</b> , 99, 237-40	6.6	111
742	Silica-MOF Composites as a Stationary Phase in Liquid Chromatography. <i>European Journal of Inorganic Chemistry</i> , <b>2010</b> , 2010, 3735-3738	2.3	109
741	Immune activation in the early puerperium is related to postpartum anxiety and depressive symptoms. <i>Psychoneuroendocrinology</i> , <b>2000</b> , 25, 121-37	5	109
740	Immunosuppressive effects of clozapine and haloperidol: enhanced production of the interleukin-1 receptor antagonist. <i>Schizophrenia Research</i> , <b>2000</b> , 42, 157-64	3.6	108
739	Effects of atypical antipsychotics on the inflammatory response system in schizophrenic patients resistant to treatment with typical neuroleptics. <i>European Neuropsychopharmacology</i> , <b>2000</b> , 10, 119-24	1.2	106
738	Neuroprogression in schizophrenia: Pathways underpinning clinical staging and therapeutic corollaries. <i>Australian and New Zealand Journal of Psychiatry</i> , <b>2014</b> , 48, 512-29	2.6	105
737	Lower plasma CC16, a natural anti-inflammatory protein, and increased plasma interleukin-1 receptor antagonist in schizophrenia: effects of antipsychotic drugs. <i>Schizophrenia Research</i> , <b>1996</b> , 21, 39-50	3.6	105

736	Pindolol and mianserin augment the antidepressant activity of fluoxetine in hospitalized major depressed patients, including those with treatment resistance. <i>Journal of Clinical Psychopharmacology</i> , <b>1999</b> , 19, 177-82	1.7	105
735	The expression of genes encoding for COX-2, MPO, iNOS, and sPLA2-IIA in patients with recurrent depressive disorder. <i>Journal of Affective Disorders</i> , <b>2012</b> , 138, 360-6	6.6	104
734	Lower serum zinc in major depression in relation to changes in serum acute phase proteins. <i>Journal of Affective Disorders</i> , <b>1999</b> , 56, 189-94	6.6	104
733	Multiple aberrations in shared inflammatory and oxidative & nitrosative stress (IO&NS) pathways explain the co-association of depression and cardiovascular disorder (CVD), and the increased risk for CVD and due mortality in depressed patients. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2011</b> , 35, 769-83	5.5	103
732	Increased serum interleukin-1-receptor-antagonist concentrations in major depression. <i>Journal of Affective Disorders</i> , <b>1995</b> , 36, 29-36	6.6	103
731	Nutrient intakes and the common mental disorders in women. <i>Journal of Affective Disorders</i> , <b>2012</b> , 141, 79-85	6.6	101
730	Metal-organic frameworks as high-potential adsorbents for liquid-phase separations of olefins, alkyl naphthalenes and dichlorobenzenes. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 2903-11	3.6	101
729	Strategies, models and biomarkers in experimental non-alcoholic fatty liver disease research. <i>Progress in Lipid Research</i> , <b>2015</b> , 59, 106-25	14.3	100
728	Interferon-alpha-induced depressive symptoms are related to changes in the cytokine network but not to cortisol. <i>Journal of Psychosomatic Research</i> , <b>2007</b> , 62, 207-14	4.1	100
727	Disturbances in acute phase plasma proteins during melancholia: additional evidence for the presence of an inflammatory process during that illness. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>1992</b> , 16, 501-15	5.5	100
726	Central pathways causing fatigue in neuro-inflammatory and autoimmune illnesses. <i>BMC Medicine</i> , <b>2015</b> , 13, 28	11.4	98
725	Inflammatory and oxidative and nitrosative stress pathways underpinning chronic fatigue, somatization and psychosomatic symptoms. <i>Current Opinion in Psychiatry</i> , <b>2009</b> , 22, 75-83	4.9	98
724	Schizophrenia: linking prenatal infection to cytokines, the tryptophan catabolite (TRYCAT) pathway, NMDA receptor hypofunction, neurodevelopment and neuroprogression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2013</b> , 42, 5-19	5.5	97
723	Stimulatory effect of antidepressants on the production of IL-6. <i>International Immunopharmacology</i> , <b>2004</b> , 4, 185-92	5.8	96
722	Plasma-soluble interleukin-2 and transferrin receptor in schizophrenia and major depression. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , <b>1995</b> , 244, 325-9	5.1	96
721	Lower plasma Coenzyme Q10 in depression: a marker for treatment resistance and chronic fatigue in depression and a risk factor to cardiovascular disorder in that illness. <i>Neuroendocrinology Letters</i> , <b>2009</b> , 30, 462-9	0.3	94
720	Evidence for inflammation and activation of cell-mediated immunity in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS): increased interleukin-1, tumor necrosis factor- $\alpha$ , PMN-elastase, lysozyme and neopterin. <i>Journal of Affective Disorders</i> , <b>2012</b> , 136, 933-9	6.6	93
719	Targeting classical IL-6 signalling or IL-6 trans-signalling in depression?. <i>Expert Opinion on Therapeutic Targets</i> , <b>2014</b> , 18, 495-512	6.4	93



718	In humans, serum polyunsaturated fatty acid levels predict the response of proinflammatory cytokines to psychologic stress. <i>Biological Psychiatry</i> , <b>2000</b> , 47, 910-20	7.9	93
717	Efficacy of treatment with trazodone in combination with pindolol or fluoxetine in major depression. <i>Journal of Affective Disorders</i> , <b>1996</b> , 41, 201-10	6.6	93
716	Impaired lymphocyte stimulation by mitogens in severely depressed patients. A complex interface with HPA-axis hyperfunction, noradrenergic activity and the ageing process. <i>British Journal of Psychiatry</i> , <b>1989</b> , 155, 793-8	5.4	93
715	Shared metabolic and immune-inflammatory, oxidative and nitrosative stress pathways in the metabolic syndrome and mood disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2017</b> , 78, 34-50	5.5	92
714	Exercising the worry away: how inflammation, oxidative and nitrogen stress mediates the beneficial effect of physical activity on anxiety disorder symptoms and behaviours. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2013</b> , 37, 573-84	9	90
713	Immunoendocrine aspects of major depression. Relationships between plasma interleukin-6 and soluble interleukin-2 receptor, prolactin and cortisol. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , <b>1995</b> , 245, 172-8	5.1	90
712	The Compensatory Immune-Regulatory Reflex System (CIRS) in Depression and Bipolar Disorder. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 8885-8903	6.2	89
711	Prolonged desipramine treatment increases the production of interleukin-10, an anti-inflammatory cytokine, in C57BL/6 mice subjected to the chronic mild stress model of depression. <i>Journal of Affective Disorders</i> , <b>2001</b> , 63, 171-8	6.6	89
710	The effects of psychological stress on leukocyte subset distribution in humans: evidence of immune activation. <i>Neuropsychobiology</i> , <b>1999</b> , 39, 1-9	4	89
709	Food addiction: Prevalence, psychopathological correlates and associations with quality of life in a large sample. <i>Journal of Psychiatric Research</i> , <b>2018</b> , 96, 145-152	5.2	88
708	Psychiatric morbidity and comorbidity following accidental man-made traumatic events: incidence and risk factors. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , <b>2000</b> , 250, 156-62	5.1	88
707	Increased autoimmune activity against 5-HT: a key component of depression that is associated with inflammation and activation of cell-mediated immunity, and with severity and staging of depression. <i>Journal of Affective Disorders</i> , <b>2012</b> , 136, 386-92	6.6	87
706	Oxidative/nitrosative stress and immuno-inflammatory pathways in depression: treatment implications. <i>Current Pharmaceutical Design</i> , <b>2014</b> , 20, 3812-47	3.3	87
705	The Neuro-Immune Pathophysiology of Central and Peripheral Fatigue in Systemic Immune-Inflammatory and Neuro-Immune Diseases. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 1195-1219	6.2	86
704	IgM-mediated autoimmune responses directed against multiple neopeptides in depression: new pathways that underpin the inflammatory and neuroprogressive pathophysiology. <i>Journal of Affective Disorders</i> , <b>2011</b> , 135, 414-8	6.6	86
703	Treatment with interferon-alpha (IFN alpha) of hepatitis C patients induces lower serum dipeptidyl peptidase IV activity, which is related to IFN alpha-induced depressive and anxiety symptoms and immune activation. <i>Molecular Psychiatry</i> , <b>2001</b> , 6, 475-80	15.1	85
702	The inflammatory response following delivery is amplified in women who previously suffered from major depression, suggesting that major depression is accompanied by a sensitization of the inflammatory response system. <i>Journal of Affective Disorders</i> , <b>2001</b> , 63, 85-92	6.6	85
701	Increased 8-hydroxy-deoxyguanosine, a marker of oxidative damage to DNA, in major depression and myalgic encephalomyelitis / chronic fatigue syndrome. <i>Neuroendocrinology Letters</i> , <b>2009</b> , 30, 715-22 <sup>0.3</sup>	0.3	85

700	Bipolar disorder: role of immune-inflammatory cytokines, oxidative and nitrosative stress and tryptophan catabolites. <i>Current Psychiatry Reports</i> , <b>2015</b> , 17, 8	9.1	84
699	Antiphospholipid, antinuclear, Epstein-Barr and cytomegalovirus antibodies, and soluble interleukin-2 receptors in depressive patients. <i>Journal of Affective Disorders</i> , <b>1991</b> , 21, 133-40	6.6	84
698	A model of the mitochondrial basis of bipolar disorder. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2017</b> , 74, 1-20	9	83
697	The association of depression and all-cause and cause-specific mortality: an umbrella review of systematic reviews and meta-analyses. <i>BMC Medicine</i> , <b>2018</b> , 16, 112	11.4	83
696	Mitochondrial dysfunctions in myalgic encephalomyelitis/chronic fatigue syndrome explained by activated immuno-inflammatory, oxidative and nitrosative stress pathways. <i>Metabolic Brain Disease</i> , <b>2014</b> , 29, 19-36	3.9	82
695	Inflammatory markers in younger vs elderly normal volunteers and in patients with Alzheimer's disease. <i>Journal of Psychiatric Research</i> , <b>1999</b> , 33, 397-405	5.2	82
694	Oxidative stress and lowered total antioxidant status are associated with a history of suicide attempts. <i>Journal of Affective Disorders</i> , <b>2013</b> , 150, 923-30	6.6	81
693	Myalgic encephalomyelitis/chronic fatigue syndrome and encephalomyelitis disseminata/multiple sclerosis show remarkable levels of similarity in phenomenology and neuroimmune characteristics. <i>BMC Medicine</i> , <b>2013</b> , 11, 205	11.4	81
692	Seasonal variation in peripheral blood leukocyte subsets and in serum interleukin-6, and soluble interleukin-2 and -6 receptor concentrations in normal volunteers. <i>Experientia</i> , <b>1994</b> , 50, 821-9		81
691	Putative neuroprotective agents in neuropsychiatric disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2013</b> , 42, 135-45	5.5	80
690	Depression, traumatic stress and interleukin-6. <i>Journal of Affective Disorders</i> , <b>2010</b> , 120, 231-4	6.6	80
689	Toxic rise of clozapine plasma concentrations in relation to inflammation. <i>European Neuropsychopharmacology</i> , <b>2003</b> , 13, 381-5	1.2	80
688	Why should neuroscientists worry about iron? The emerging role of ferroptosis in the pathophysiology of neuroprogressive diseases. <i>Behavioural Brain Research</i> , <b>2018</b> , 341, 154-175	3.4	79
687	A new animal model of (chronic) depression induced by repeated and intermittent lipopolysaccharide administration for 4 months. <i>Brain, Behavior, and Immunity</i> , <b>2013</b> , 31, 96-104	16.6	79
686	Chronic fatigue syndrome: Harvey and Wessely's (bio)psychosocial model versus a bio(psychosocial) model based on inflammatory and oxidative and nitrosative stress pathways. <i>BMC Medicine</i> , <b>2010</b> , 8, 35	11.4	79
685	STABILITY OF INTERLEUKIN 6, SOLUBLE INTERLEUKIN 6 RECEPTOR, INTERLEUKIN 10 AND CC16 IN HUMAN SERUM. <i>Cytokine</i> , <b>2002</b> , 19, 228-235	4	79
684	The dexamethasone suppression test, the Hamilton Depression Rating Scale and the DSM-III depression categories. <i>Journal of Affective Disorders</i> , <b>1986</b> , 10, 207-14	6.6	79
683	Serological observations in patients suffering from acute manic episodes. <i>Human Psychopharmacology</i> , <b>2002</b> , 17, 175-9	2.3	78

682	HPA axis and cytokines dysregulation in schizophrenia: potential implications for the antipsychotic treatment. <i>European Neuropsychopharmacology</i> , <b>1999</b> , 10, 1-4	1.2	78
681	Cell Death Pathways: a Novel Therapeutic Approach for Neuroscientists. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 5767-5786	6.2	77
680	A neuro-immune model of Myalgic Encephalomyelitis/Chronic fatigue syndrome. <i>Metabolic Brain Disease</i> , <b>2013</b> , 28, 523-40	3.9	73
679	Coenzyme Q10 deficiency in myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS) is related to fatigue, autonomic and neurocognitive symptoms and is another risk factor explaining the early mortality in ME/CFS due to cardiovascular disorder. <i>Neuroendocrinology Letters</i> , <b>2009</b> , 30, 470-6	0.3	73
678	Increased autoimmune responses against auto-epitopes modified by oxidative and nitrosative damage in depression: implications for the pathways to chronic depression and neuroprogression. <i>Journal of Affective Disorders</i> , <b>2013</b> , 149, 23-9	6.6	72
677	The immune-inflammatory pathophysiology of fibromyalgia: increased serum soluble gp130, the common signal transducer protein of various neurotrophic cytokines. <i>Psychoneuroendocrinology</i> , <b>1999</b> , 24, 371-83	5	72
676	Effects of ipsapirone on plasma cortisol and body temperature in major depression. <i>Biological Psychiatry</i> , <b>1995</b> , 38, 450-7	7.9	72
675	Biological phenotypes underpin the physio-somatic symptoms of somatization, depression, and chronic fatigue syndrome. <i>Acta Psychiatrica Scandinavica</i> , <b>2014</b> , 129, 83-97	6.5	71
674	Oxidative and Nitrosative Stress and Immune-Inflammatory Pathways in Patients with Myalgic Encephalomyelitis (ME)/Chronic Fatigue Syndrome (CFS). <i>Current Neuropharmacology</i> , <b>2014</b> , 12, 168-85	7.6	71
673	Combination of serum markers related to several mechanisms in Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2003</b> , 24, 893-902	5.6	70
672	Connexins and their channels in inflammation. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2016</b> , 51, 413-439	8.7	69
671	Increased IgA responses to the LPS of commensal bacteria is associated with inflammation and activation of cell-mediated immunity in chronic fatigue syndrome. <i>Journal of Affective Disorders</i> , <b>2012</b> , 136, 909-17	6.6	69
670	In humans, the seasonal variation in poly-unsaturated fatty acids is related to the seasonal variation in violent suicide and serotonergic markers of violent suicide. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2004</b> , 71, 13-8	2.8	68
669	Influence of psychological stress on immune-inflammatory variables in normal humans. Part II. Altered serum concentrations of natural anti-inflammatory agents and soluble membrane antigens of monocytes and T lymphocytes. <i>Psychiatry Research</i> , <b>1999</b> , 85, 293-303	9.9	68
668	Dietary phytochemicals and neuro-inflammaging: from mechanistic insights to translational challenges. <i>Immunity and Ageing</i> , <b>2016</b> , 13, 16	9.7	67
667	Extracting organic contaminants from water using the metal-organic framework CrIII(OH)[O2C-C6H4-CO2]. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 5587-9	3.6	67
666	Baseline immune activation as a risk factor for the onset of depression during interferon-alpha treatment. <i>Biological Psychiatry</i> , <b>2006</b> , 60, 77-9	7.9	67
665	Immunological differences between patients with major depression and somatization syndrome. <i>Psychiatry Research</i> , <b>2001</b> , 105, 165-74	9.9	67

- 664 Seasonal and circadian rhythms in suicide in Cagliari, Italy. *Journal of Affective Disorders*, **1999**, 53, 77-85 6.6 67
- 663 International Society for Nutritional Psychiatry Research Practice Guidelines for Omega-3 Fatty Acids in the Treatment of Major Depressive Disorder. *Psychotherapy and Psychosomatics*, **2019**, 88, 263-273 9.4 66
- 662 Early increase in vegetative symptoms predicts IFN-alpha-induced cognitive-depressive changes. *Psychological Medicine*, **2005**, 35, 433-41 6.9 66
- 661 An evaluation of basal hypothalamic-pituitary-thyroid axis function in depression: results of a large-scaled and controlled study. *Psychoneuroendocrinology*, **1993**, 18, 607-20 5 66
- 660 Coenzyme Q10 depletion in medical and neuropsychiatric disorders: potential repercussions and therapeutic implications. *Molecular Neurobiology*, **2013**, 48, 883-903 6.2 65
- 659 Effects of serotonin and serotonergic agonists and antagonists on the production of interferon-gamma and interleukin-10. *Neuropsychopharmacology*, **2000**, 23, 89-98 8.7 65
- 658 Pre- and post-disaster negative life events in relation to the incidence and severity of post-traumatic stress disorder. *Psychiatry Research*, **2001**, 105, 1-12 9.9 65
- 657 Total serum protein and serum protein fractions in depression: relationships to depressive symptoms and glucocorticoid activity. *Journal of Affective Disorders*, **1995**, 34, 61-9 6.6 65
- 656 Effects of repeated fluoxetine and citalopram administration on cytokine release in C57BL/6 mice. *Psychiatry Research*, **2000**, 96, 255-66 9.9 64
- 655 Serotonergic and noradrenergic markers of post-traumatic stress disorder with and without major depression. *Neuropsychopharmacology*, **1999**, 20, 188-97 8.7 64
- 654 Effects of buspirone on plasma prolactin and cortisol levels in major depressed and normal subjects. *Biological Psychiatry*, **1994**, 35, 316-23 7.9 64
- 653 T helper 17 cells may drive neuroprogression in major depressive disorder: Proposal of an integrative model. *Neuroscience and Biobehavioral Reviews*, **2016**, 64, 83-100 9 63
- 652 Cytokines in systemic lupus erythematosus: far beyond Th1/Th2 dualism lupus: cytokine profiles. *Immunology and Cell Biology*, **2017**, 95, 824-831 5 62
- 651 The effect of repeated amitriptyline and desipramine administration on cytokine release in C57BL/6 mice. *Psychoneuroendocrinology*, **2000**, 25, 785-97 5 62
- 650 The effects of noradrenaline and alpha-2 adrenoceptor agents on the production of monocytic products. *Psychiatry Research*, **2000**, 96, 245-53 9.9 62
- 649 A review on cognitive behavioral therapy (CBT) and graded exercise therapy (GET) in myalgic encephalomyelitis (ME) / chronic fatigue syndrome (CFS): CBT/GET is not only ineffective and not evidence-based, but also potentially harmful for many patients with ME/CFS. *Neuroendocrinology*, **2019**, 51, 221-36 0.3 62
- 648 Myalgic Encephalomyelitis (ME), Chronic Fatigue Syndrome (CFS), and Chronic Fatigue (CF) are distinguished accurately: results of supervised learning techniques applied on clinical and inflammatory data. *Psychiatry Research*, **2012**, 200, 754-60 9.9 61
- 647 Diagnostic classifications in depression and somatization should include biomarkers, such as disorders in the tryptophan catabolite (TRYCAT) pathway. *Psychiatry Research*, **2012**, 196, 243-9 9.9 61

646	An intriguing and hitherto unexplained co-occurrence: Depression and chronic fatigue syndrome are manifestations of shared inflammatory, oxidative and nitrosative (IO&NS) pathways. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2011</b> , 35, 784-94	5.5	61
645	Effects of subchronic treatment with valproate on L-5-HTP-induced cortisol responses in mania: evidence for increased central serotonergic neurotransmission. <i>Psychiatry Research</i> , <b>1997</b> , 71, 67-76	9.9	61
644	Risk and preventive factors of post-traumatic stress disorder (PTSD): alcohol consumption and intoxication prior to a traumatic event diminishes the relative risk to develop PTSD in response to that trauma. <i>Journal of Affective Disorders</i> , <b>2001</b> , 63, 113-21	6.6	61
643	Psychomotor retardation, anorexia, weight loss, sleep disturbances, and loss of energy: psychopathological correlates of hyperhaptoglobinemia during major depression. <i>Psychiatry Research</i> , <b>1993</b> , 47, 229-41	9.9	61
642	The immune effects of TRYCATs (tryptophan catabolites along the IDO pathway): relevance for depression - and other conditions characterized by tryptophan depletion induced by inflammation. <i>Neuroendocrinology Letters</i> , <b>2007</b> , 28, 826-31	0.3	61
641	Nitrosative Stress, Hypernitrosylation, and Autoimmune Responses to Nitrosylated Proteins: New Pathways in Neuroprogressive Disorders Including Depression and Chronic Fatigue Syndrome. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 4271-4291	6.2	60
640	Effects of risperidone on cytokine profile in drug-naïve first-episode psychosis. <i>International Journal of Neuropsychopharmacology</i> , <b>2014</b> , 18,	5.8	60
639	Increased IL-6 trans-signaling in depression: focus on the tryptophan catabolite pathway, melatonin and neuroprogression. <i>Pharmacological Reports</i> , <b>2013</b> , 65, 1647-54	3.9	60
638	The role of the cytokine network in psychological stress. <i>Acta Neuropsychiatrica</i> , <b>2003</b> , 15, 148-55	3.9	60
637	Gut Permeability and Microbiota in Parkinson Disease: Role of Depression, Tryptophan Catabolites, Oxidative and Nitrosative Stress and Melatonergic Pathways. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 6142-6151	3.3	60
636	Intestinal Dysbiosis, Gut Hyperpermeability and Bacterial Translocation: Missing Links Between Depression, Obesity and Type 2 Diabetes. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 6087-6106	3.3	60
635	Neurodegeneration in Parkinson disease: interactions of oxidative stress, tryptophan catabolites and depression with mitochondria and sirtuins. <i>Molecular Neurobiology</i> , <b>2014</b> , 49, 771-83	6.2	59
634	Atopic disorders and depression: findings from a large, population-based study. <i>Journal of Affective Disorders</i> , <b>2014</b> , 155, 261-5	6.6	59
633	Alterations in iron metabolism and the erythron in major depression: further evidence for a chronic inflammatory process. <i>Journal of Affective Disorders</i> , <b>1996</b> , 40, 23-33	6.6	59
632	Visualisation of loss of 5-HT <sub>2A</sub> receptors with age in healthy volunteers using [ <sup>18</sup> F]altanserin and positron emission tomographic imaging. <i>Psychiatry Research - Neuroimaging</i> , <b>1996</b> , 68, 11-22	2.9	59
631	Relationships between increased haptoglobin plasma levels and activation of cell-mediated immunity in depression. <i>Biological Psychiatry</i> , <b>1993</b> , 34, 690-701	7.9	59
630	Inflammatory and cell-mediated immune biomarkers in myalgic encephalomyelitis/chronic fatigue syndrome and depression: inflammatory markers are higher in myalgic encephalomyelitis/chronic fatigue syndrome than in depression. <i>Psychotherapy and Psychosomatics</i> , <b>2012</b> , 81, 286-95	9.4	58
629	Effects of psychological stress on serum immunoglobulin, complement and acute phase protein concentrations in normal volunteers. <i>Psychoneuroendocrinology</i> , <b>1997</b> , 22, 397-409	5	58



628	Adjunctive minocycline treatment for major depressive disorder: A proof of concept trial. <i>Australian and New Zealand Journal of Psychiatry</i> , <b>2017</b> , 51, 829-840	2.6	57
627	Significantly increased expression of T-cell activation markers (interleukin-2 and HLA-DR) in depression: further evidence for an inflammatory process during that illness. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>1993</b> , 17, 241-55	5.5	57
626	Role of immune-inflammatory and oxidative and nitrosative stress pathways in the etiology of depression: therapeutic implications. <i>CNS Drugs</i> , <b>2014</b> , 28, 1-10	6.7	56
625	Curcumin and major depression: a randomised, double-blind, placebo-controlled trial investigating the potential of peripheral biomarkers to predict treatment response and antidepressant mechanisms of change. <i>European Neuropsychopharmacology</i> , <b>2015</b> , 25, 38-50	1.2	55
624	Highly specific changes in antioxidant levels and lipid peroxidation in Parkinson's disease and its progression: Disease and staging biomarkers and new drug targets. <i>Neuroscience Letters</i> , <b>2016</b> , 617, 66-71	3.3	55
623	Melatonin: an overlooked factor in schizophrenia and in the inhibition of anti-psychotic side effects. <i>Metabolic Brain Disease</i> , <b>2012</b> , 27, 113-9	3.9	55
622	Effects of pregnancy and delivery on the availability of plasma tryptophan to the brain: relationships to delivery-induced immune activation and early post-partum anxiety and depression. <i>Psychological Medicine</i> , <b>2001</b> , 31, 847-58	6.9	55
621	The emerging role of autoimmunity in myalgic encephalomyelitis/chronic fatigue syndrome (ME/cfs). <i>Molecular Neurobiology</i> , <b>2014</b> , 49, 741-56	6.2	54
620	Mechanisms underlying neurocognitive dysfunctions in recurrent major depression. <i>Medical Science Monitor</i> , <b>2015</b> , 21, 1535-47	3.2	54
619	Lowered plasma paraoxonase (PON)1 activity is a trait marker of major depression and PON1 Q192R gene polymorphism-smoking interactions differentially predict the odds of major depression and bipolar disorder. <i>Journal of Affective Disorders</i> , <b>2014</b> , 159, 23-30	6.6	54
618	Fluoxetine, but not tricyclic antidepressants, potentiates the 5-hydroxytryptophan-mediated increase in plasma cortisol and prolactin secretion in subjects with major depression or with obsessive compulsive disorder. <i>Neuropsychopharmacology</i> , <b>1997</b> , 17, 1-11	8.7	54
617	Depression and Anxiety in Adults With Hidradenitis Suppurativa: A Systematic Review and Meta-analysis. <i>JAMA Dermatology</i> , <b>2019</b> , 155, 939-945	5.1	53
616	Atherogenic index of plasma and atherogenic coefficient are increased in major depression and bipolar disorder, especially when comorbid with tobacco use disorder. <i>Journal of Affective Disorders</i> , <b>2015</b> , 172, 55-62	6.6	53
615	Fuel purification, Lewis acid and aerobic oxidation catalysis performed by a microporous Co-BTT (BTT3= 1,3,5-benzenetristetrazolate) framework having coordinatively unsaturated sites. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 10200		53
614	Normalization of leaky gut in chronic fatigue syndrome (CFS) is accompanied by a clinical improvement: effects of age, duration of illness and the translocation of LPS from gram-negative bacteria. <i>Neuroendocrinology Letters</i> , <b>2008</b> , 29, 902-10	0.3	53
613	Lowered omega-3 PUFAs are related to major depression, but not to somatization syndrome. <i>Journal of Affective Disorders</i> , <b>2010</b> , 123, 173-80	6.6	52
612	A study on the blunted natural killer cell activity in severely depressed patients. <i>Life Sciences</i> , <b>1992</b> , 50, 505-13	6.8	52
611	Cannabis use and suicide attempts among 86,254 adolescents aged 12-15 years from 21 low- and middle-income countries. <i>European Psychiatry</i> , <b>2019</b> , 56, 8-13	6	52



610	Are there differences in lipid peroxidation and immune biomarkers between major depression and bipolar disorder: Effects of melancholia, atypical depression, severity of illness, episode number, suicidal ideation and prior suicide attempts. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 81, 372-383	5.5	51
609	Schizophrenia is primed for an increased expression of depression through activation of immuno-inflammatory, oxidative and nitrosative stress, and tryptophan catabolite pathways. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2013</b> , 42, 101-14	5.5	51
608	Lower high-density lipoprotein cholesterol and increased omega-6 polyunsaturated fatty acids in first-degree relatives of bipolar patients. <i>Psychological Medicine</i> , <b>2004</b> , 34, 103-12	6.9	51
607	A revised interpretation of the TRH test results in female depressed patients. Part I: TSH responses. Effects of severity of illness, thyroid hormones, monoamines, age, sex hormonal, corticosteroid and nutritional state. <i>Journal of Affective Disorders</i> , <b>1989</b> , 16, 203-13	6.6	51
606	Chronic fatigue syndrome is accompanied by an IgM-related immune response directed against neopitopes formed by oxidative or nitrosative damage to lipids and proteins. <i>Neuroendocrinology Letters</i> , <b>2006</b> , 27, 615-21	0.3	51
605	Inflammatory markers in depressed post-myocardial infarction patients. <i>Journal of Psychiatric Research</i> , <b>2005</b> , 39, 137-44	5.2	50
604	In vitro immunoregulatory effects of lithium in healthy volunteers. <i>Psychopharmacology</i> , <b>1999</b> , 143, 401-7	4.7	50
603	Components of biological, including seasonal, variation in hematological measurements and plasma fibrinogen concentrations in normal humans. <i>Experientia</i> , <b>1995</b> , 51, 141-9		50
602	Biochemical, metabolic and immune correlates of seasonal variation in violent suicide: a chronoepidemiologic study. <i>European Psychiatry</i> , <b>1996</b> , 11, 21-33	6	50
601	Association between inducible and neuronal nitric oxide synthase polymorphisms and recurrent depressive disorder. <i>Journal of Affective Disorders</i> , <b>2011</b> , 129, 175-82	6.6	49
600	Lower serum L-tryptophan availability in depression as a marker of a more generalized disorder in protein metabolism. <i>Neuropsychopharmacology</i> , <b>1996</b> , 15, 243-51	8.7	49
599	Relationship between the dexamethasone suppression test and the L-tryptophan/competing amino acids ratio in depression. <i>Psychiatry Research</i> , <b>1987</b> , 21, 323-35	9.9	49
598	Major Differences in Neurooxidative and Neuronitrosative Stress Pathways Between Major Depressive Disorder and Types I and II Bipolar Disorder. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 141-156	6.2	49
597	High predictive value of immune-inflammatory biomarkers for schizophrenia diagnosis and association with treatment resistance. <i>World Journal of Biological Psychiatry</i> , <b>2015</b> , 16, 422-429	3.8	48
596	Evidence-based umbrella review of 162 peripheral biomarkers for major mental disorders. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 152	8.6	48
595	Immune-Inflammatory and Oxidative and Nitrosative Stress Biomarkers of Depression Symptoms in Subjects with Multiple Sclerosis: Increased Peripheral Inflammation but Less Acute Neuroinflammation. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 5191-202	6.2	48
594	Hypothalamic-Pituitary-Adrenal Hypofunction in Myalgic Encephalomyelitis (ME)/Chronic Fatigue Syndrome (CFS) as a Consequence of Activated Immune-Inflammatory and Oxidative and Nitrosative Pathways. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 6806-6819	6.2	48
593	Peripheral markers of serotonergic and noradrenergic function in post-pubertal, caucasian males with autistic disorder. <i>Neuropsychopharmacology</i> , <b>2000</b> , 22, 275-83	8.7	48

592	Pindolol pretreatment blocks stimulation by meta-chlorophenylpiperazine of prolactin but not cortisol secretion in normal men. <i>Psychiatry Research</i> , <b>1995</b> , 58, 89-98	9.9	48
591	Regional cerebral blood flow in unipolar depression measured with Tc-99m-HMPAO single photon emission computed tomography: negative findings. <i>Psychiatry Research - Neuroimaging</i> , <b>1993</b> , 50, 77-88	2.9	48
590	Somatization, but not depression, is characterized by disorders in the tryptophan catabolite (TRYCAT) pathway, indicating increased indoleamine 2,3-dioxygenase and lowered kynurenine aminotransferase activity. <i>Neuroendocrinology Letters</i> , <b>2011</b> , 32, 264-73	0.3	48
589	Psychoimmune investigation in obsessive-compulsive disorder: assays of plasma transferrin, IL-2 and IL-6 receptor, and IL-1 beta and IL-6 concentrations. <i>Neuropsychobiology</i> , <b>1994</b> , 30, 57-60	4	47
588	Increased serum IgM antibodies directed against phosphatidyl inositol (Pi) in chronic fatigue syndrome (CFS) and major depression: evidence that an IgM-mediated immune response against Pi is one factor underpinning the comorbidity between both CFS and depression. <i>Neuroendocrinology Letters</i> , <b>2007</b> , 28, 861-7	0.3	47
587	Cognitive Impairment in Euthymic Pediatric Bipolar Disorder: A Systematic Review and Meta-Analysis. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , <b>2017</b> , 56, 286-296	7.2	46
586	Nitric oxide plasma concentration associated with cognitive impairment in patients with recurrent depressive disorder. <i>Neuroscience Letters</i> , <b>2012</b> , 510, 127-31	3.3	46
585	Serotonin-immune interactions in major depression: lower serum tryptophan as a marker of an immune-inflammatory response. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , <b>1997</b> , 247, 154-61	5.1	46
584	Immune markers in fibromyalgia: comparison with major depressed patients and normal volunteers. <i>Journal of Affective Disorders</i> , <b>1998</b> , 48, 75-82	6.6	46
583	Blood coagulation and platelet aggregation in major depression. <i>Journal of Affective Disorders</i> , <b>1996</b> , 40, 35-40	6.6	46
582	Breakdown of the Paracellular Tight and Adherens Junctions in the Gut and Blood Brain Barrier and Damage to the Vascular Barrier in Patients with Deficit Schizophrenia. <i>Neurotoxicity Research</i> , <b>2019</b> , 36, 306-322	4.3	45
581	The levels of 7,8-dihydrodeoxyguanosine (8-oxoG) and 8-oxoguanine DNA glycosylase 1 (OGG1) - A potential diagnostic biomarkers of Alzheimer's disease. <i>Journal of the Neurological Sciences</i> , <b>2016</b> , 368, 155-9	3.2	45
580	Castelli risk indexes 1 and 2 are higher in major depression but other characteristics of the metabolic syndrome are not specific to mood disorders. <i>Life Sciences</i> , <b>2014</b> , 102, 65-71	6.8	45
579	N-acetylcysteine for therapy-resistant tobacco use disorder: a pilot study. <i>Redox Report</i> , <b>2015</b> , 20, 215-223	3.9	45
578	Epidemiologic and phenomenological aspects of post-traumatic stress disorder: DSM-III-R diagnosis and diagnostic criteria not validated. <i>Psychiatry Research</i> , <b>1998</b> , 81, 179-93	9.9	45
577	The in vitro immunosuppressive effects of moclobemide in healthy volunteers. <i>Journal of Affective Disorders</i> , <b>2000</b> , 58, 69-74	6.6	45
576	Higher serum prolyl endopeptidase activity in patients with post-traumatic stress disorder. <i>Journal of Affective Disorders</i> , <b>1999</b> , 53, 27-34	6.6	45
575	Natural killer cell activity in major depression: relation to circulating natural killer cells, cellular indices of the immune response, and depressive phenomenology. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>1994</b> , 18, 717-30	5.5	45

574	A significantly increased number and percentage of B cells in depressed subjects: results of flow cytometric measurements. <i>Journal of Affective Disorders</i> , <b>1992</b> , 24, 127-34	6.6	45
573	Shared pathways for neuroprogression and somatoprogession in neuropsychiatric disorders. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2019</b> , 107, 862-882	9	44
572	IDO chronic immune activation and tryptophan metabolic pathway: A potential pathophysiological link between depression and obesity. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 80, 234-249	5.5	44
571	Depression, Cytokine, and Cytokine by Treatment Interactions Modulate Gene Expression in Antipsychotic Naïve First Episode Psychosis. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 5701-9	6.2	44
570	Targeting cyclooxygenase-2 in depression is not a viable therapeutic approach and may even aggravate the pathophysiology underpinning depression. <i>Metabolic Brain Disease</i> , <b>2012</b> , 27, 405-13	3.9	44
569	Postpartum depression: psychoneuroimmunological underpinnings and treatment. <i>Neuropsychiatric Disease and Treatment</i> , <b>2013</b> , 9, 277-87	3.1	44
568	Lower serum dipeptidyl peptidase IV activity in treatment resistant major depression: relationships with immune-inflammatory markers. <i>Psychoneuroendocrinology</i> , <b>1997</b> , 22, 65-78	5	44
567	The negative immunoregulatory effects of fluoxetine in relation to the cAMP-dependent PKA pathway. <i>International Immunopharmacology</i> , <b>2005</b> , 5, 609-18	5.8	44
566	Depression and myocardial infarction: relationship between heart and mind. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2001</b> , 25, 879-92	5.5	44
565	Research into the specificity of depression after stroke: a review on an unresolved issue. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2001</b> , 25, 671-89	5.5	44
564	Effect of pindolol on the L-5-HTP-induced increase in plasma prolactin and cortisol concentrations in man. <i>Psychopharmacology</i> , <b>1994</b> , 114, 635-43	4.7	44
563	Effects of trazodone and fluoxetine in the treatment of major depression: therapeutic pharmacokinetic and pharmacodynamic interactions through formation of meta-chlorophenylpiperazine. <i>Journal of Clinical Psychopharmacology</i> , <b>1997</b> , 17, 358-64	1.7	44
562	A narrative review on the similarities and dissimilarities between myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS) and sickness behavior. <i>BMC Medicine</i> , <b>2013</b> , 11, 64	11.4	43
561	Lower serum zinc in Chronic Fatigue Syndrome (CFS): relationships to immune dysfunctions and relevance for the oxidative stress status in CFS. <i>Journal of Affective Disorders</i> , <b>2006</b> , 90, 141-7	6.6	43
560	Cytokines in major depression. <i>Biological Psychiatry</i> , <b>1994</b> , 36, 498-9	7.9	43
559	The pathophysiology of SARS-CoV-2: A suggested model and therapeutic approach. <i>Life Sciences</i> , <b>2020</b> , 258, 118166	6.8	43
558	Genetic, Immune-Inflammatory, and Oxidative Stress Biomarkers as Predictors for Disability and Disease Progression in Multiple Sclerosis. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 31-44	6.2	42
557	The Endoplasmic Reticulum Stress Response in Neuroprogressive Diseases: Emerging Pathophysiological Role and Translational Implications. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 8765-8787	6.2	42

556	Inflammation-related disorders in the tryptophan catabolite pathway in depression and somatization. <i>Advances in Protein Chemistry and Structural Biology</i> , <b>2012</b> , 88, 27-48	5.3	42
555	The effects of anticoagulation and processing on assays of IL-6, sIL-6R, sIL-2R and soluble transferrin receptor. <i>Cytokine</i> , <b>1997</b> , 9, 696-701	4	42
554	CO2 challenge induced HPA axis activation in panic. <i>International Journal of Neuropsychopharmacology</i> , <b>2007</b> , 10, 797-804	5.8	42
553	Lower serum activity of prolyl endopeptidase in anorexia and bulimia nervosa. <i>Psychoneuroendocrinology</i> , <b>2001</b> , 26, 17-26	5	42
552	Lower total serum protein, albumin, and beta- and gamma-globulin in major and treatment-resistant depression: effects of antidepressant treatments. <i>Psychiatry Research</i> , <b>1996</b> , 65, 159-69	9.9	42
551	Clinical subtypes of unipolar depression: Part I. A validation of the vital and nonvital clusters. <i>Psychiatry Research</i> , <b>1990</b> , 34, 29-41	9.9	42
550	Thyroid autoimmunity in bipolar disorder: A systematic review. <i>Journal of Affective Disorders</i> , <b>2017</b> , 221, 97-106	6.6	41
549	In myalgic encephalomyelitis/chronic fatigue syndrome, increased autoimmune activity against 5-HT is associated with immuno-inflammatory pathways and bacterial translocation. <i>Journal of Affective Disorders</i> , <b>2013</b> , 150, 223-30	6.6	41
548	Effects of serotonin precursors on the negative feedback effects of glucocorticoids on hypothalamic-pituitary-adrenal axis function in depression. <i>Psychoneuroendocrinology</i> , <b>1995</b> , 20, 149-67	5	41
547	Symptom profiles of biological markers in depression: a multivariate study. <i>Psychoneuroendocrinology</i> , <b>1990</b> , 15, 29-37	5	41
546	Increased plasma peroxides as a marker of oxidative stress in myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS). <i>Medical Science Monitor</i> , <b>2011</b> , 17, SC11-5	3.2	41
545	Bias in emerging biomarkers for bipolar disorder. <i>Psychological Medicine</i> , <b>2016</b> , 46, 2287-97	6.9	41
544	Cluster analytic validation of the DSM melancholic depression. The threshold model: integration of quantitative and qualitative distinctions between unipolar depressive subtypes. <i>Psychiatry Research</i> , <b>1997</b> , 71, 181-95	9.9	40
543	The Role of Microbiota and Intestinal Permeability in the Pathophysiology of Autoimmune and Neuroimmune Processes with an Emphasis on Inflammatory Bowel Disease Type 1 Diabetes and Chronic Fatigue Syndrome. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 6058-6075	3.3	40
542	Local melatonin regulates inflammation resolution: a common factor in neurodegenerative, psychiatric and systemic inflammatory disorders. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 817-27	2.6	40
541	The Role of Aberrations in the Immune-Inflammatory Response System (IRS) and the Compensatory Immune-Regulatory Reflex System (CIRS) in Different Phenotypes of Schizophrenia: the IRS-CIRS Theory of Schizophrenia. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 778-797	6.2	40
540	"Functional" or "psychosomatic" symptoms, e.g. a flu-like malaise, aches and pain and fatigue, are major features of major and in particular of melancholic depression. <i>Neuroendocrinology Letters</i> , <b>2009</b> , 30, 564-73	0.3	40
539	Oxidative stress in drug naïve first episode psychosis and antioxidant effects of risperidone. <i>Journal of Psychiatric Research</i> , <b>2015</b> , 68, 210-6	5.2	39

538	Effects of depression on the cytokine profile in drug naïve first-episode psychosis. <i>Schizophrenia Research</i> , <b>2015</b> , 164, 53-8	3.6	39
537	Influence of academic examination stress on hematological measurements in subjectively healthy volunteers. <i>Psychiatry Research</i> , <b>1998</b> , 80, 201-12	9.9	39
536	Lowered serum dipeptidyl peptidase IV activity is associated with depressive symptoms and cytokine production in cancer patients receiving interleukin-2-based immunotherapy. <i>Neuropsychopharmacology</i> , <b>2001</b> , 24, 130-40	8.7	39
535	Not in the mind but in the cell: increased production of cyclo-oxygenase-2 and inducible NO synthase in chronic fatigue syndrome. <i>Neuroendocrinology Letters</i> , <b>2007</b> , 28, 463-9	0.3	39
534	Interactions of Tryptophan and Its Catabolites With Melatonin and the Alpha 7 Nicotinic Receptor in Central Nervous System and Psychiatric Disorders: Role of the Aryl Hydrocarbon Receptor and Direct Mitochondria Regulation. <i>International Journal of Tryptophan Research</i> , <b>2017</b> , 10, 1178646917691738	5.6	38
533	Vapor-Phase Adsorption and Separation of Ethylbenzene and Styrene on the Metal-Organic Frameworks MIL-47 and MIL-53(AI). <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 14824-14833	3.3	38
532	Activation of the immune-inflammatory response system and the compensatory immune-regulatory system in antipsychotic naïve first episode psychosis. <i>European Neuropsychopharmacology</i> , <b>2019</b> , 29, 416-431	1.2	38
531	Activation of the inflammatory response system: A new look at the etiopathogenesis of major depression. <i>Neuroendocrinology Letters</i> , <b>1999</b> , 20, 11-17	0.3	38
530	Mechanisms Explaining Muscle Fatigue and Muscle Pain in Patients with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS): a Review of Recent Findings. <i>Current Rheumatology Reports</i> , <b>2017</b> , 19, 1	4.9	37
529	Reduced grey matter volume in frontal and temporal areas in depression: contributions from voxel-based morphometry study. <i>Acta Neuropsychiatrica</i> , <b>2019</b> , 31, 252-257	3.9	37
528	Protocol and rationale-the efficacy of minocycline as an adjunctive treatment for major depressive disorder: a double blind, randomised, placebo controlled trial. <i>Clinical Psychopharmacology and Neuroscience</i> , <b>2014</b> , 12, 180-8	3.4	37
527	IgM-mediated autoimmune responses directed against anchorage epitopes are greater in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS) than in major depression. <i>Metabolic Brain Disease</i> , <b>2012</b> , 27, 415-23	3.9	36
526	Increased nuclear factor- $\kappa$ B and loss of p53 are key mechanisms in Myalgic Encephalomyelitis/chronic fatigue syndrome (ME/CFS). <i>Medical Hypotheses</i> , <b>2012</b> , 79, 607-13	3.8	36
525	Age-dependent stimulatory effect of desipramine and fluoxetine pretreatment on metastasis formation by B16F10 melanoma in male C57BL/6 mice. <i>Pharmacological Reports</i> , <b>2009</b> , 61, 1113-26	3.9	36
524	Psychobiological aspects of somatoform disorders: contributions of monoaminergic transmitter systems. <i>Neuropsychobiology</i> , <b>2004</b> , 49, 24-9	4	36
523	Haptoglobin polymorphism and schizophrenia: genetic variation on chromosome 16. <i>Psychiatry Research</i> , <b>2001</b> , 104, 1-9	9.9	36
522	Binding of [3H]paroxetine to platelets of depressed patients: seasonal differences and effects of diagnostic classification. <i>Journal of Affective Disorders</i> , <b>1994</b> , 32, 27-35	6.6	36
521	The Many Neuroprogressive Actions of Tryptophan Catabolites (TRYCATs) that may be Associated with the Pathophysiology of Neuro-Immune Disorders. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 963-77	3.3	36



520	Multiple Immune-Inflammatory and Oxidative and Nitrosative Stress Pathways Explain the Frequent Presence of Depression in Multiple Sclerosis. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 6282-6306	6.2	35
519	Increased Root Canal Endotoxin Levels are Associated with Chronic Apical Periodontitis, Increased Oxidative and Nitrosative Stress, Major Depression, Severity of Depression, and a Lowered Quality of Life. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 2814-2827	6.2	35
518	Connexin and pannexin (hemi)channels in the liver. <i>Frontiers in Physiology</i> , <b>2014</b> , 4, 405	4.6	35
517	Biological underpinnings of the commonalities in depression, somatization, and Chronic Fatigue Syndrome. <i>Medical Hypotheses</i> , <b>2012</b> , 78, 752-6	3.8	35
516	Separating Saturated Alkylaromatics from Their Unsaturated Analogues Using Metal/Organic Frameworks. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 1051-1055	3.8	35
515	The two-factorial symptom structure of post-traumatic stress disorder: depression-avoidance and arousal-anxiety. <i>Psychiatry Research</i> , <b>1998</b> , 81, 195-210	9.9	35
514	CO2 challenge results in hypothalamic-pituitary-adrenal activation in healthy volunteers. <i>Journal of Psychopharmacology</i> , <b>2005</b> , 19, 243-7	4.6	35
513	The relevance of the in- versus outpatient status for studies on HPA-axis in depression: spontaneous hypercortisolism is a feature of major depressed inpatients and not of major depression per se. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>1994</b> , 18, 503-17	5.5	35
512	Differences in the immune-inflammatory profiles of unipolar and bipolar depression. <i>Journal of Affective Disorders</i> , <b>2020</b> , 262, 8-15	6.6	35
511	Normalization of the increased translocation of endotoxin from gram negative enterobacteria (leaky gut) is accompanied by a remission of chronic fatigue syndrome. <i>Neuroendocrinology Letters</i> , <b>2007</b> , 28, 739-44	0.3	35
510	Targeting the inflammatory pathway as a therapeutic tool for major depression. <i>NeuroImmunoModulation</i> , <b>2014</b> , 21, 131-9	2.5	34
509	Neuroendocrine and immune aspects of fibromyalgia. <i>BioDrugs</i> , <b>2001</b> , 15, 521-31	7.9	34
508	Alterations in immune functions during normal aging and Alzheimer's disease. <i>Psychiatry Research</i> , <b>1999</b> , 85, 71-80	9.9	34
507	Clinical subtypes of unipolar depression: Part II. Quantitative and qualitative clinical differences between the vital and nonvital depression groups. <i>Psychiatry Research</i> , <b>1990</b> , 34, 43-57	9.9	34
506	Clinical subtypes of unipolar depression: Part III. Quantitative differences in various biological markers between the cluster-analytically generated nonvital and vital depression classes. <i>Psychiatry Research</i> , <b>1990</b> , 34, 59-75	9.9	34
505	HPA-axis hormones and prolactin responses to dextro-fenfluramine in depressed patients and healthy controls. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>1991</b> , 15, 781-90	5.5	34
504	Lipid Peroxidation and Immune Biomarkers Are Associated with Major Depression and Its Phenotypes, Including Treatment-Resistant Depression and Melancholia. <i>Neurotoxicity Research</i> , <b>2018</b> , 33, 448-460	4.3	34
503	Not in the mind of neurasthenic lazybones but in the cell nucleus: patients with chronic fatigue syndrome have increased production of nuclear factor kappa beta. <i>Neuroendocrinology Letters</i> , <b>2007</b> , 28, 456-62	0.3	34



502	Socioeconomic Deprivation, Adverse Childhood Experiences and Medical Disorders in Adulthood: Mechanisms and Associations. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 5866-5890	6.2	33
501	Eotaxin, an Endogenous Cognitive Deteriorating Chemokine (ECDC), Is a Major Contributor to Cognitive Decline in Normal People and to Executive, Memory, and Sustained Attention Deficits, Formal Thought Disorders, and Psychopathology in Schizophrenia Patients. <i>Neurotoxicity Research</i> , <b>2019</b> , 35, 122-138	4.3	33
500	Enthalpic effects in the adsorption of alkylaromatics on the metal-organic frameworks MIL-47 and MIL-53. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 157, 82-88	5.3	33
499	Oxidative and nitrosative stress biomarkers in chronic schizophrenia. <i>Psychiatry Research</i> , <b>2017</b> , 253, 43-48	9.9	32
498	Changes in Tryptophan Catabolite (TRYCAT) Pathway Patterning Are Associated with Mild Impairments in Declarative Memory in Schizophrenia and Deficits in Semantic and Episodic Memory Coupled with Increased False-Memory Creation in Deficit Schizophrenia. <i>Molecular Neurobiology</i> , <b>2019</b> , 55, 5184-5201	6.2	32
497	The Deleterious Effects of Oxidative and Nitrosative Stress on Palmitoylation, Membrane Lipid Rafts and Lipid-Based Cellular Signalling: New Drug Targets in Neuroimmune Disorders. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 4638-58	6.2	32
496	Environmental risk factors and nonpharmacological and nonsurgical interventions for obesity: An umbrella review of meta-analyses of cohort studies and randomized controlled trials. <i>European Journal of Clinical Investigation</i> , <b>2018</b> , 48, e12982	4.6	32
495	Serotonergic disturbances in autistic disorder: L-5-hydroxytryptophan administration to autistic youngsters increases the blood concentrations of serotonin in patients but not in controls. <i>Life Sciences</i> , <b>2005</b> , 76, 2171-83	6.8	32
494	Serum amino acids, biopterin and neopterin during long-term immunotherapy with interferon-alpha in high-risk melanoma patients. <i>Psychiatry Research</i> , <b>2003</b> , 119, 125-32	9.9	32
493	Decreased platelet alpha-2 adrenoceptor density in major depression: effects of tricyclic antidepressants and fluoxetine. <i>Biological Psychiatry</i> , <b>1999</b> , 45, 278-84	7.9	32
492	The Toll-Like Receptor Radical Cycle Pathway: A New Drug Target in Immune-Related Chronic Fatigue. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2015</b> , 14, 838-54	2.6	32
491	Lower whole blood glutathione peroxidase (GPX) activity in depression, but not in myalgic encephalomyelitis / chronic fatigue syndrome: another pathway that may be associated with coronary artery disease and neuroprogression in depression. <i>Neuroendocrinology Letters</i> , <b>2011</b> , 32, 133-40	0.3	32
490	Cytokine Profile in Patients with Progressive Multiple Sclerosis and Its Association with Disease Progression and Disability. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 2950-2960	6.2	31
489	Add-on Treatment with Curcumin Has Antidepressive Effects in Thai Patients with Major Depression: Results of a Randomized Double-Blind Placebo-Controlled Study. <i>Neurotoxicity Research</i> , <b>2018</b> , 33, 621-633	4.3	31
488	Biological mechanisms of depression following treatment with interferon for chronic hepatitis C: A critical systematic review. <i>Journal of Affective Disorders</i> , <b>2017</b> , 209, 235-245	6.6	31
487	Connexin and pannexin signaling in gastrointestinal and liver disease. <i>Translational Research</i> , <b>2015</b> , 166, 332-43	11	31
486	Malondialdehyde plasma concentration correlates with declarative and working memory in patients with recurrent depressive disorder. <i>Molecular Biology Reports</i> , <b>2012</b> , 39, 5359-66	2.8	31
485	Effects of psychological stress on serum prolyl endopeptidase and dipeptidyl peptidase IV activity in humans: higher serum prolyl endopeptidase activity is related to stress-induced anxiety. <i>Psychoneuroendocrinology</i> , <b>1998</b> , 23, 485-95	5	31

484	Immunoendocrine findings in patients with eating disorders. <i>Neuropsychobiology</i> , <b>1999</b> , 40, 115-20	4	31
483	In Schizophrenia, Increased Plasma IgM/IgA Responses to Gut Commensal Bacteria Are Associated with Negative Symptoms, Neurocognitive Impairments, and the Deficit Phenotype. <i>Neurotoxicity Research</i> , <b>2019</b> , 35, 684-698	4.3	31
482	Could Alzheimer's Disease Originate in the Periphery and If So How So?. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 406-434	6.2	31
481	Major depression model induced by repeated and intermittent lipopolysaccharide administration: Long-lasting behavioral, neuroimmune and neuroprogressive alterations. <i>Journal of Psychiatric Research</i> , <b>2018</b> , 107, 57-67	5.2	31
480	In chronic fatigue syndrome, the decreased levels of omega-3 poly-unsaturated fatty acids are related to lowered serum zinc and defects in T cell activation. <i>Neuroendocrinology Letters</i> , <b>2005</b> , 26, 745-749	9.3	31
479	Toward Omics-Based, Systems Biomedicine, and Path and Drug Discovery Methodologies for Depression-Inflammation Research. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 2927-2935	6.2	30
478	Lowered paraoxonase 1 (PON1) activity is associated with increased cytokine levels in drug naïve first episode psychosis. <i>Schizophrenia Research</i> , <b>2015</b> , 166, 225-30	3.6	30
477	In Schizophrenia, Depression, Anxiety, and Physiosomatic Symptoms Are Strongly Related to Psychotic Symptoms and Excitation, Impairments in Episodic Memory, and Increased Production of Neurotoxic Tryptophan Catabolites: a Multivariate and Machine Learning Study. <i>Neurotoxicity Research</i> , <b>2018</b> , 33, 641-655	4.3	30
476	Deficit schizophrenia is a discrete diagnostic category defined by neuro-immune and neurocognitive features: results of supervised machine learning. <i>Metabolic Brain Disease</i> , <b>2018</b> , 33, 1053-1067	3.9	30
475	Lower baseline plasma cortisol and prolactin together with increased body temperature and higher mCPP-induced cortisol responses in men with pedophilia. <i>Neuropsychopharmacology</i> , <b>2001</b> , 24, 37-46	8.7	30
474	Anxiety Disorders: Sex Differences in Serotonin and Tryptophan Metabolism. <i>Current Topics in Medicinal Chemistry</i> , <b>2018</b> , 18, 1704-1715	3	30
473	Ebola virus: melatonin as a readily available treatment option. <i>Journal of Medical Virology</i> , <b>2015</b> , 87, 537-537	4.7	29
472	Herpes viruses, cytokines, and altered hemostasis in vital exhaustion. <i>Psychosomatic Medicine</i> , <b>2003</b> , 65, 194-200	3.7	29
471	Lower activities of serum peptidases predict higher depressive and anxiety levels following interferon-alpha-based immunotherapy in patients with hepatitis C. <i>Acta Psychiatrica Scandinavica</i> , <b>2004</b> , 109, 126-31	6.5	29
470	Gut Dysbiosis Dysregulates Central and Systemic Homeostasis via Suboptimal Mitochondrial Function: Assessment, Treatment and Classification Implications. <i>Current Topics in Medicinal Chemistry</i> , <b>2020</b> , 20, 524-539	3	29
469	How Immune-inflammatory Processes Link CNS and Psychiatric Disorders: Classification and Treatment Implications. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2017</b> , 16, 266-278	2.6	29
468	Immune-inflammatory pathways and clinical changes in fibromyalgia patients treated with Mindfulness-Based Stress Reduction (MBSR): A randomized, controlled clinical trial. <i>Brain, Behavior, and Immunity</i> , <b>2019</b> , 80, 109-119	16.6	29
467	Deficit, but Not Nondeficit, Schizophrenia Is Characterized by Mucosa-Associated Activation of the Tryptophan Catabolite (TRYCAT) Pathway with Highly Specific Increases in IgA Responses Directed to Picolinic, Xanthurenic, and Quinolinic Acid. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 1524-1536	6.2	28

466	A neuro-immune, neuro-oxidative and neuro-nitrosative model of prenatal and postpartum depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 81, 262-274	5.5	28
465	Impact of oxidative/nitrosative stress and inflammation on cognitive functions in patients with recurrent depressive disorders. <i>Medical Science Monitor</i> , <b>2014</b> , 20, 110-5	3.2	28
464	Associations of Serum Cytokine Receptor Levels with Melancholia, Staging of Illness, Depressive and Manic Phases, and Severity of Depression in Bipolar Disorder. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 5883-5893 <sup>28</sup>	6.2	28
463	Total antioxidant status correlates with cognitive impairment in patients with recurrent depressive disorder. <i>Neurochemical Research</i> , <b>2012</b> , 37, 1761-7	4.6	28
462	Psychological and behavioural effects of interferons. <i>Current Opinion in Psychiatry</i> , <b>2000</b> , 13, 673-677	4.9	28
461	Serotonergic markers and lowered plasma branched-chain-amino acid concentrations in fibromyalgia. <i>Psychiatry Research</i> , <b>2000</b> , 97, 11-20	9.9	28
460	Lower serum activity of prolyl endopeptidase in fibromyalgia is related to severity of depressive symptoms and pressure hyperalgesia. <i>Psychological Medicine</i> , <b>1998</b> , 28, 957-65	6.9	28
459	Sleep disorders and anxiety as symptom profiles of sympathoadrenal system hyperactivity in major depression. <i>Journal of Affective Disorders</i> , <b>1993</b> , 27, 197-207	6.6	28
458	Decreased expression of CD69 in chronic fatigue syndrome in relation to inflammatory markers: evidence for a severe disorder in the early activation of T lymphocytes and natural killer cells. <i>Neuroendocrinology Letters</i> , <b>2007</b> , 28, 477-83	0.3	28
457	An inducible nitric oxide synthase polymorphism is associated with the risk of recurrent depressive disorder. <i>Neuroscience Letters</i> , <b>2010</b> , 486, 184-7	3.3	27
456	Multicenter study on reproducibility of sperm morphology assessments. <i>Archives of Andrology</i> , <b>1998</b> , 41, 103-14		27
455	A clinical and biological validation of the DSM-III melancholia diagnosis in men: results of pattern recognition methods. <i>Journal of Psychiatric Research</i> , <b>1992</b> , 26, 183-96	5.2	27
454	Impaired mitogen-induced lymphocyte responses and the hypothalamic-pituitary-adrenal axis in depressive disorders. <i>Journal of Affective Disorders</i> , <b>1989</b> , 16, 41-8	6.6	27
453	Mitochondrial dysfunction in the pathophysiology of bipolar disorder: effects of pharmacotherapy. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2015</b> , 15, 355-65	3.2	27
452	Skin picking disorder: prevalence, correlates, and associations with quality of life in a large sample. <i>CNS Spectrums</i> , <b>2018</b> , 23, 311-320	1.8	26
451	Reversal of schizophrenia-like symptoms and immune alterations in mice by immunomodulatory drugs. <i>Journal of Psychiatric Research</i> , <b>2017</b> , 84, 49-58	5.2	26
450	Myalgic encephalomyelitis or chronic fatigue syndrome: how could the illness develop?. <i>Metabolic Brain Disease</i> , <b>2019</b> , 34, 385-415	3.9	26
449	Lowered PON1 activities are strongly associated with depression and bipolar disorder, recurrence of (hypo)mania and depression, increased disability and lowered quality of life. <i>World Journal of Biological Psychiatry</i> , <b>2019</b> , 20, 368-380	3.8	26

448	A game-based neurofeedback training system to enhance cognitive performance in healthy elderly subjects and in patients with amnesic mild cognitive impairment. <i>Clinical Interventions in Aging</i> , <b>2019</b> , 14, 347-360	4	25
447	Upregulation of the Intestinal Paracellular Pathway with Breakdown of Tight and Adherens Junctions in Deficit Schizophrenia. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 7056-7073	6.2	25
446	Inhibition of connexin hemichannels alleviates non-alcoholic steatohepatitis in mice. <i>Scientific Reports</i> , <b>2017</b> , 7, 8268	4.9	25
445	The gut-brain axis: The role of melatonin in linking psychiatric, inflammatory and neurodegenerative conditions. <i>Advances in Integrative Medicine</i> , <b>2015</b> , 2, 31-37	1.6	25
444	Pedophilia is accompanied by increased plasma concentrations of catecholamines, in particular epinephrine. <i>Psychiatry Research</i> , <b>2001</b> , 103, 43-9	9.9	25
443	Effect of pindolol pretreatment on MK-212-induced plasma cortisol and prolactin responses in normal men. <i>Biological Psychiatry</i> , <b>1995</b> , 38, 310-8	7.9	25
442	Prediction of the DST results in depressives by means of urinary-free cortisol excretion, dexamethasone levels, and age. <i>Biological Psychiatry</i> , <b>1990</b> , 28, 349-57	7.9	25
441	A New Schizophrenia Model: Immune Activation is Associated with the Induction of Different Neurotoxic Products which Together Determine Memory Impairments and Schizophrenia Symptom Dimensions. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2019</b> , 18, 124-140	2.6	25
440	Measurement of Apoptotic and Necrotic Cell Death in Primary Hepatocyte Cultures. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1250, 349-61	1.4	25
439	Polyunsaturated fatty acids: do they have a role in the pathophysiology of autism?. <i>Neuroendocrinology Letters</i> , <b>2006</b> , 27, 465-71	0.3	25
438	An IgM-mediated immune response directed against nitro-bovine serum albumin (nitro-BSA) in chronic fatigue syndrome (CFS) and major depression: evidence that nitrosative stress is another factor underpinning the comorbidity between major depression and CFS. <i>Neuroendocrinology Letters</i> , <b>2008</b> , 29, 313-9	0.3	25
437	Comparison of major depression diagnostic classification probability using the SCID, CIDI, and MINI diagnostic interviews among women in pregnancy or postpartum: An individual participant data meta-analysis. <i>International Journal of Methods in Psychiatric Research</i> , <b>2019</b> , 28, e1803	4.3	24
436	Leptin Prevents Lipopolysaccharide-Induced Depressive-Like Behaviors in Mice: Involvement of Dopamine Receptors. <i>Frontiers in Psychiatry</i> , <b>2019</b> , 10, 125	5	24
435	Roles of connexins and pannexins in digestive homeostasis. <i>Cellular and Molecular Life Sciences</i> , <b>2015</b> , 72, 2809-21	10.3	24
434	Deficit Schizophrenia Is Characterized by Defects in IgM-Mediated Responses to Tryptophan Catabolites (TRYCATs): a Paradigm Shift Towards Defects in Natural Self-Regulatory Immune Responses Coupled with Mucosa-Derived TRYCAT Pathway Activation. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 2214-2226	6.2	24
433	Generalized Anxiety Disorder (GAD) and Comorbid Major Depression with GAD Are Characterized by Enhanced Nitro-oxidative Stress, Increased Lipid Peroxidation, and Lowered Lipid-Associated Antioxidant Defenses. <i>Neurotoxicity Research</i> , <b>2018</b> , 34, 489-510	4.3	24
432	High incidence of body image dissatisfaction in pregnancy and the postnatal period: Associations with depression, anxiety, body mass index and weight gain during pregnancy. <i>Sexual and Reproductive Healthcare</i> , <b>2017</b> , 13, 103-109	2.4	24
431	Unusual pressure-temperature dependency in the capillary liquid chromatographic separation of C8 alkylaromatics on the MIL-53(Al) metal-organic framework. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 162, 1-5	5.3	24

430	Hypothalamic-pituitary-thyroid-axis function in treatment resistant depression. <i>Journal of Affective Disorders</i> , <b>1997</b> , 43, 143-50	6.6	24
429	Towards a new classification of stable phase schizophrenia into major and simple neuro-cognitive psychosis: Results of unsupervised machine learning analysis. <i>Journal of Evaluation in Clinical Practice</i> , <b>2018</b> , 24, 879-891	2.5	24
428	IgA/IgM responses to tryptophan and tryptophan catabolites (TRYCATs) are differently associated with prenatal depression, physio-somatic symptoms at the end of term and premenstrual syndrome. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 3038-3049	6.2	23
427	Association between single nucleotide polymorphisms of MUTYH, hOGG1 and NEIL1 genes, and depression. <i>Journal of Affective Disorders</i> , <b>2015</b> , 184, 90-6	6.6	23
426	Primary hepatocytes and their cultures in liver apoptosis research. <i>Archives of Toxicology</i> , <b>2014</b> , 88, 199-212	3.2	23
425	Variants of Base Excision Repair Genes MUTYH , PARP1 and XRCC1 in Alzheimer's Disease Risk. <i>Neuropsychobiology</i> , <b>2015</b> , 71, 176-86	4	23
424	TRYCAT pathways link peripheral inflammation, nicotine, somatization and depression in the etiology and course of Parkinson's disease. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 137-49	2.6	23
423	Reconceptualizing adult neurogenesis: role for sphingosine-1-phosphate and fibroblast growth factor-1 in co-ordinating astrocyte-neuronal precursor interactions. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 126-36	2.6	23
422	Inhibitory effects of amantadine on the production of pro-inflammatory cytokines by stimulated in vitro human blood. <i>Pharmacological Reports</i> , <b>2009</b> , 61, 1105-12	3.9	23
421	Increased serum soluble CD8 or suppressor/cytotoxic antigen concentrations in depression: suppressive effects of glucocorticoids. <i>Biological Psychiatry</i> , <b>1996</b> , 40, 1273-81	7.9	23
420	Absolute number and percentage of circulating natural killer, non-MHC-restricted T cytotoxic, and phagocytic cells in unipolar depression. <i>Neuropsychobiology</i> , <b>1994</b> , 29, 157-63	4	23
419	The effects of glucocorticoids on the availability of L-tryptophan and tyrosine in the plasma of depressed patients. <i>Journal of Affective Disorders</i> , <b>1990</b> , 18, 121-7	6.6	23
418	Development of a Novel Staging Model for Affective Disorders Using Partial Least Squares Bootstrapping: Effects of Lipid-Associated Antioxidant Defenses and Neuro-Oxidative Stress. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 6626-6644	6.2	22
417	Neurodevelopmental pathways in bipolar disorder. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2020</b> , 112, 213-226	9	22
416	Bright light and oxygen therapies decrease delirium risk in critically ill surgical patients by targeting sleep and acid-base disturbances. <i>Psychiatry Research</i> , <b>2018</b> , 261, 21-27	9.9	22
415	Affective symptoms in schizophrenia are strongly associated with neurocognitive deficits indicating disorders in executive functions, visual memory, attention and social cognition. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 80, 168-176	5.5	22
414	Redox Regulation and the Autistic Spectrum: Role of Tryptophan Catabolites, Immuno-inflammation, Autoimmunity and the Amygdala. <i>Current Neuropharmacology</i> , <b>2014</b> , 12, 148-67	7.6	22
413	Lower Serum Zinc and Higher CRP Strongly Predict Prenatal Depression and Physio-somatic Symptoms, Which All Together Predict Postnatal Depressive Symptoms. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 1500-1512	6.2	21



412	An immune gate of depression - Early neuroimmune development in the formation of the underlying depressive disorder. <i>Pharmacological Reports</i> , <b>2019</b> , 71, 1299-1307	3.9	21
411	Oxidant/antioxidant imbalance is an inherent feature of depression. <i>BMC Psychiatry</i> , <b>2015</b> , 15, 71	4.2	21
410	Vascular endothelial growth factor gene (VEGFA) polymorphisms may serve as prognostic factors for recurrent depressive disorder development. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2013</b> , 45, 117-24	5.5	21
409	Inhibitory effect of antidepressants on B16F10 melanoma tumor growth. <i>Pharmacological Reports</i> , <b>2013</b> , 65, 672-81	3.9	21
408	Components of biological variation in plasma haptoglobin: relationships to plasma fibrinogen and immune variables, including interleukin-6 and its receptor. <i>Clinica Chimica Acta</i> , <b>1995</b> , 239, 23-35	6.2	21
407	An augmented escape of beta-endorphins to suppression by dexamethasone in severely depressed patients. <i>Journal of Affective Disorders</i> , <b>1990</b> , 18, 149-56	6.6	21
406	Immune Aberrations in Obsessive-Compulsive Disorder: a Systematic Review and Meta-analysis. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 4751-4759	6.2	21
405	The role of hypernitrosylation in the pathogenesis and pathophysiology of neuroprogressive diseases. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2018</b> , 84, 453-469	9	21
404	Shorter leukocyte telomere length in patients at ultra high risk for psychosis. <i>European Neuropsychopharmacology</i> , <b>2017</b> , 27, 538-542	1.2	20
403	Why Should Psychiatrists and Neuroscientists Worry about Paraoxonase 1?. <i>Current Neuropharmacology</i> , <b>2019</b> , 17, 1004-1020	7.6	20
402	In major affective disorders, early life trauma predict increased nitro-oxidative stress, lipid peroxidation and protein oxidation and recurrence of major affective disorders, suicidal behaviors and a lowered quality of life. <i>Metabolic Brain Disease</i> , <b>2018</b> , 33, 1081-1096	3.9	20
401	Leukocyte telomere length variation in different stages of schizophrenia. <i>Journal of Psychiatric Research</i> , <b>2018</b> , 96, 218-223	5.2	20
400	The Effect of Chronic Mild Stress and Imipramine on the Markers of Oxidative Stress and Antioxidant System in Rat Liver. <i>Neurotoxicity Research</i> , <b>2016</b> , 30, 173-84	4.3	20
399	Impact of Single Nucleotide Polymorphisms of Base Excision Repair Genes on DNA Damage and Efficiency of DNA Repair in Recurrent Depression Disorder. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 4150-4159	6.2	20
398	Osteochondral mosaicplasty as a treatment method for bilateral avascular necrosis of the long finger metacarpal: case report. <i>Journal of Hand Surgery</i> , <b>2010</b> , 35, 1264-8	2.6	20
397	Behavioral changes in rats after acute, chronic and repeated administration of interleukin-1beta: relevance for affective disorders. <i>Journal of Affective Disorders</i> , <b>2003</b> , 77, 143-8	6.6	20
396	Psychomotor slowing, neuroendocrine responses, and behavioral changes after oral administration of meta-chlorophenylpiperazine in normal volunteers. <i>Psychiatry Research</i> , <b>2001</b> , 105, 151-63	9.9	20
395	Chronobiological fluctuations in semen parameters with a constant abstinence period. <i>Archives of Andrology</i> , <b>1996</b> , 37, 91-6		20



394	Immune cell parameters in severely depressed patients: negative findings. <i>Journal of Affective Disorders</i> , <b>1989</b> , 17, 121-8	6.6	20
393	Peripheral immune aberrations in fibromyalgia: A systematic review, meta-analysis and meta-regression. <i>Brain, Behavior, and Immunity</i> , <b>2020</b> , 87, 881-889	16.6	20
392	Maternal Immune Activation Causes Schizophrenia-like Behaviors in the Offspring through Activation of Immune-Inflammatory, Oxidative and Apoptotic Pathways, and Lowered Antioxidant Defenses and Neuroprotection. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 4345-4361	6.2	20
391	Autobiographical memory dysfunctions in depressive disorders. <i>Psychiatry and Clinical Neurosciences</i> , <b>2016</b> , 70, 100-8	6.2	20
390	The glutathione system in Parkinson's disease and its progression. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 120, 470-478	9	20
389	Case definitions and diagnostic criteria for Myalgic Encephalomyelitis and Chronic fatigue Syndrome: from clinical-consensus to evidence-based case definitions. <i>Neuroendocrinology Letters</i> , <b>2013</b> , 34, 185-99	0.3	20
388	Physio-somatic symptoms in schizophrenia: association with depression, anxiety, neurocognitive deficits and the tryptophan catabolite pathway. <i>Metabolic Brain Disease</i> , <b>2017</b> , 32, 1003-1016	3.9	19
387	Proinflammatory and anti-inflammatory cytokine profiles in psoriasis: use as laboratory biomarkers and disease predictors. <i>Inflammation Research</i> , <b>2019</b> , 68, 557-567	7.2	19
386	TAT-Gap19 and Carbenoxolone Alleviate Liver Fibrosis in Mice. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	19
385	Manganese superoxide dismutase gene expression and cognitive functions in recurrent depressive disorder. <i>Neuropsychobiology</i> , <b>2014</b> , 70, 23-8	4	19
384	Liquid phase separation of polyaromatics on [Cu <sub>2</sub> (BDC) <sub>2</sub> (dabco)]. <i>Langmuir</i> , <b>2011</b> , 27, 9083-7	4	19
383	Effects of pregnancy and delivery on serum concentrations of Clara Cell Protein (CC16), an endogenous anticytokine: lower serum CC16 is related to postpartum depression. <i>Psychiatry Research</i> , <b>1999</b> , 87, 117-27	9.9	19
382	Elevated C-reactive Protein Levels in Women with Bipolar Disorder may be Explained by a History of Childhood Trauma, Especially Sexual Abuse, Body Mass Index and Age. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2017</b> , 16, 514-521	2.6	19
381	The Neuroimmune and Neurotoxic Fingerprint of Major Neurocognitive Psychosis or Deficit Schizophrenia: a Supervised Machine Learning Study. <i>Neurotoxicity Research</i> , <b>2020</b> , 37, 753-771	4.3	19
380	The Microbiota-Gut-Immune-Glia (MGIG) Axis in Major Depression. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 4269-4295	6.2	19
379	Lowered Antioxidant Defenses and Increased Oxidative Toxicity Are Hallmarks of Deficit Schizophrenia: a Nomothetic Network Psychiatry Approach. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 4578-4597	6.2	19
378	Fibromyalgia and Bipolar Disorder: Emerging Epidemiological Associations and Shared Pathophysiology. <i>Current Molecular Medicine</i> , <b>2016</b> , 16, 119-36	2.5	19
377	The cytokine storms of COVID-19, H1N1 influenza, CRS and MAS compared. Can one sized treatment fit all?. <i>Cytokine</i> , <b>2021</b> , 144, 155593	4	19

376	Why myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS) may kill you: disorders in the inflammatory and oxidative and nitrosative stress (IO&NS) pathways may explain cardiovascular disorders in ME/CFS. <i>Neuroendocrinology Letters</i> , <b>2009</b> , 30, 677-93	0.3	19
375	Increased Levels of Plasma Tumor Necrosis Factor- $\beta$ Mediate Schizophrenia Symptom Dimensions and Neurocognitive Impairments and Are Inversely Associated with Natural IgM Directed to Malondialdehyde and Paraoxonase 1 Activity. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 2333-2345	6.2	18
374	Antenatal and postnatal risk factors of postpartum depression symptoms in Thai women: A case-control study. <i>Sexual and Reproductive Healthcare</i> , <b>2016</b> , 10, 25-31	2.4	18
373	Breastfeeding and the gut-brain axis: is there a role for melatonin?. <i>Biomolecular Concepts</i> , <b>2017</b> , 8, 185-195	3.9	18
372	Inhibitory effect of antidepressant drugs on contact hypersensitivity reaction. <i>Pharmacological Reports</i> , <b>2012</b> , 64, 714-22	3.9	18
371	Platelet alpha2-adrenoceptor density in humans: relationships to stress-induced anxiety, psychasthenic constitution, gender and stress-induced changes in the inflammatory response system. <i>Psychological Medicine</i> , <b>2002</b> , 32, 919-28	6.9	18
370	Seasonal variation in platelet [ $^3$ H]paroxetine binding in healthy volunteers. Relationship to climatic variables. <i>Neuropsychopharmacology</i> , <b>1996</b> , 15, 187-98	8.7	18
369	The relationships between the cortisol responses to dexamethasone and to L-5-HTP, and the availability of L-tryptophan in depressed females. <i>Biological Psychiatry</i> , <b>1990</b> , 27, 601-8	7.9	18
368	Recognizing the Leaky Gut as a Trans-diagnostic Target for Neuroimmune Disorders Using Clinical Chemistry and Molecular Immunology Assays. <i>Current Topics in Medicinal Chemistry</i> , <b>2018</b> , 18, 1641-1655 <sup>3</sup>		18
367	Increased Serum Immunoglobulin Responses to Gut Commensal Gram-Negative Bacteria in Unipolar Major Depression and Bipolar Disorder Type 1, Especially When Melancholia Is Present. <i>Neurotoxicity Research</i> , <b>2020</b> , 37, 338-348	4.3	18
366	Preventing the development of severe COVID-19 by modifying immunothrombosis. <i>Life Sciences</i> , <b>2021</b> , 264, 118617	6.8	18
365	Do Human Endogenous Retroviruses Contribute to Multiple Sclerosis, and if So, How?. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 2590-2605	6.2	17
364	Activated neuro-oxidative and neuro-nitrosative pathways at the end of term are associated with inflammation and physio-somatic and depression symptoms, while predicting outcome characteristics in mother and baby. <i>Journal of Affective Disorders</i> , <b>2017</b> , 223, 49-58	6.6	17
363	Effects of experimental panic on neuroimmunological functioning. <i>Journal of Psychosomatic Research</i> , <b>2008</b> , 64, 305-10	4.1	17
362	Effect of amantadine and imipramine on immunological parameters of rats subjected to a forced swimming test. <i>International Journal of Neuropsychopharmacology</i> , <b>2006</b> , 9, 297-305	5.8	17
361	Effects of meta-chlorophenylpiperazine on neuroendocrine and behavioral responses in male schizophrenic patients and normal volunteers. <i>Psychiatry Research</i> , <b>1996</b> , 64, 147-59	9.9	17
360	Effects of age on spontaneous cortisolaemia of normal volunteers and depressed patients. <i>Psychoneuroendocrinology</i> , <b>1994</b> , 19, 79-84	5	17
359	Effect of the placebo control condition in neuroendocrine challenge studies. <i>Psychiatry Research</i> , <b>1994</b> , 52, 317-26	9.9	17

358	Influences on cortisol and noradrenergic turnover of healthy controls and depressed patients during L-tryptophan loading. <i>Journal of Affective Disorders</i> , <b>1989</b> , 17, 173-82	6.6	17
357	Repeated dexamethasone suppression test in depressed patients. <i>Journal of Affective Disorders</i> , <b>1986</b> , 11, 165-72	6.6	17
356	Parkinson Disease is Accompanied by Intertwined Alterations in Iron Metabolism and Activated Immune-inflammatory and Oxidative Stress Pathways. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2017</b> , 16, 484-491	2.6	17
355	Increasing Nrf2 Activity as a Treatment Approach in Neuropsychiatry. <i>Molecular Neurobiology</i> , <b>2021</b> , 58, 2158-2182	6.2	17
354	Albumin and Protein Oxidation are Predictors that Differentiate Relapsing-Remitting from Progressive Clinical Forms of Multiple Sclerosis. <i>Molecular Neurobiology</i> , <b>2017</b> , 54, 2961-2968	6.2	16
353	Novel insights into the mechanisms underlying depression-associated experimental autoimmune encephalomyelitis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2019</b> , 93, 1-10	5.5	16
352	Immune-inflammatory, oxidative stress and biochemical biomarkers predict short-term acute ischemic stroke death. <i>Metabolic Brain Disease</i> , <b>2019</b> , 34, 789-804	3.9	16
351	Factors influencing insulin resistance in relation to atherogenicity in mood disorders, the metabolic syndrome and tobacco use disorder. <i>Journal of Affective Disorders</i> , <b>2015</b> , 179, 148-55	6.6	16
350	Angiotensin converting enzyme activity is positively associated with IL-17a levels in patients with schizophrenia. <i>Psychiatry Research</i> , <b>2015</b> , 229, 702-7	9.9	16
349	Zika Virus as an Emerging Neuropathogen: Mechanisms of Neurovirulence and Neuro-Immune Interactions. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 4160-4184	6.2	16
348	The Putative Role of Viruses, Bacteria, and Chronic Fungal Biotxin Exposure in the Genesis of Intractable Fatigue Accompanied by Cognitive and Physical Disability. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 2550-71	6.2	16
347	Selective continuous flow extractive denitrogenation of oil containing S- and N-heteroaromatics using metal-containing ionic liquids supported on monolithic silica with hierarchical porosity. <i>RSC Advances</i> , <b>2014</b> , 4, 1045-1054	3.7	16
346	Stimulatory effect of antidepressant drug pretreatment on progression of B16F10 melanoma in high-active male and female C57BL/6J mice. <i>Journal of Neuroimmunology</i> , <b>2011</b> , 240-241, 34-44	3.5	16
345	Hypothalamic-pituitary-adrenal axis function following a 35% CO <sub>2</sub> inhalation in healthy volunteers. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2004</b> , 28, 279-83	5.5	16
344	The fetomaternal dependency of cord blood interleukin-6. <i>American Journal of Perinatology</i> , <b>1999</b> , 16, 121-8	3.3	16
343	Biological heterogeneity of melancholia: results of pattern recognition methods. <i>Journal of Psychiatric Research</i> , <b>1991</b> , 25, 95-108	5.2	16
342	The periodicities in and biometeorological relationships with bed occupancy of an acute psychiatric ward in Antwerp, Belgium. <i>International Journal of Biometeorology</i> , <b>1993</b> , 37, 78-82	3.7	16
341	Computed tomography of the brain in unipolar depression. <i>Journal of Affective Disorders</i> , <b>1991</b> , 21, 67-74	6.6	16

340	Nutritional ketosis as an intervention to relieve astrogliosis: Possible therapeutic applications in the treatment of neurodegenerative and neuroprogressive disorders. <i>European Psychiatry</i> , <b>2020</b> , 63, e8	6	16
339	Integrating Autism Spectrum Disorder Pathophysiology: Mitochondria, Vitamin A, CD38, Oxytocin, Serotonin and Melatonergic Alterations in the Placenta and Gut. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 4405-4420	3.3	16
338	Associations between DNA Damage, DNA Base Excision Repair Gene Variability and Alzheimer's Disease Risk. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>2016</b> , 41, 152-71	2.6	16
337	Schizophrenia phenomenology comprises a bifactorial general severity and a single-group factor, which are differently associated with neurotoxic immune and immune-regulatory pathways. <i>Biomolecular Concepts</i> , <b>2019</b> , 10, 209-225	3.7	16
336	Trace Amine-Associated Receptor 1 (TAAR1): A new drug target for psychiatry?. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 120, 537-541	9	16
335	Why fish oils may not always be adequate treatments for depression or other inflammatory illnesses: docosahexaenoic acid, an omega-3 polyunsaturated fatty acid, induces a Th-1-like immune response. <i>Neuroendocrinology Letters</i> , <b>2007</b> , 28, 875-80	0.3	16
334	Emerging role of innate B1 cells in the pathophysiology of autoimmune and neuroimmune diseases: Association with inflammation, oxidative and nitrosative stress and autoimmune responses. <i>Pharmacological Research</i> , <b>2019</b> , 148, 104408	10.2	15
333	IL-10 is associated with increased mu-opioid receptor levels in major depressive disorder. <i>European Psychiatry</i> , <b>2019</b> , 57, 46-51	6	15
332	Changing dynamics of psychoneuroimmunology during the COVID-19 pandemic. <i>Brain, Behavior, &amp; Immunity - Health</i> , <b>2020</b> , 5, 100096	5.1	15
331	Lowered quality of life in mood disorders is associated with increased neuro-oxidative stress and basal thyroid-stimulating hormone levels and use of anticonvulsant mood stabilizers. <i>Journal of Evaluation in Clinical Practice</i> , <b>2018</b> , 24, 869-878	2.5	15
330	Tryptophan catabolites along the indoleamine 2,3-dioxygenase pathway as a biological link between depression and cancer. <i>Behavioural Pharmacology</i> , <b>2018</b> , 29, 165-180	2.4	15
329	The Putative Role of Environmental Mercury in the Pathogenesis and Pathophysiology of Autism Spectrum Disorders and Subtypes. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 4834-4856	6.2	15
328	Psychological stress and the inflammatory response system. <i>Clinical Science</i> , <b>2001</b> , 101, 193-194	6.5	15
327	Clara cell protein: concentrations in cerebrospinal fluid, serum and amniotic fluid. <i>Cytokine</i> , <b>1998</b> , 10, 441-4	4	15
326	A revised interpretation of postdexamethasone ACTH and cortisol findings in unipolar depressed females. <i>Psychiatry Research</i> , <b>1990</b> , 34, 107-26	9.9	15
325	Abnormal pituitary function during melancholia: reduced alpha-melanocyte-stimulating hormone secretion and increased intact ACTH non-suppression. <i>Journal of Affective Disorders</i> , <b>1991</b> , 22, 149-57	6.6	15
324	Cortisol escape from suppression by dexamethasone during depression is strongly predicted by basal cortisol hypersecretion and increasing age combined. <i>Psychoneuroendocrinology</i> , <b>1991</b> , 16, 295-310	5	15
323	IgA/IgM Responses to Gram-Negative Bacteria are not Associated with Perinatal Depression, but with Physio-somatic Symptoms and Activation of the Tryptophan Catabolite Pathway at the End of Term and Postnatal Anxiety. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2017</b> , 16, 472-483	2.6	15

322	Role of the Immune System in Autism Spectrum Disorders (ASD). <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2018</b> , 17, 489-495	2.6	15
321	Psychological stress, cytokines and the inflammatory response system. <i>Current Opinion in Psychiatry</i> , <b>1999</b> , 12, 695-700	4.9	15
320	Endothelial dysfunction in neuroprogressive disorders-causes and suggested treatments. <i>BMC Medicine</i> , <b>2020</b> , 18, 305	11.4	15
319	Association between Single-Nucleotide Polymorphisms of the hOGG1, NEIL1, APEX1, FEN1, LIG1, and LIG3 Genes and Alzheimer's Disease Risk. <i>Neuropsychobiology</i> , <b>2016</b> , 73, 98-107	4	15
318	Towards a new model and classification of mood disorders based on risk resilience, neuro-affective toxicity, staging, and phenome features using the nomothetic network psychiatry approach. <i>Metabolic Brain Disease</i> , <b>2021</b> , 36, 509-521	3.9	15
317	Increased lipid and protein oxidation and lowered anti-oxidant defenses in systemic lupus erythematosus are associated with severity of illness, autoimmunity, increased adhesion molecules, and Th1 and Th17 immune shift. <i>Immunologic Research</i> , <b>2018</b> , 66, 158-171	4.3	15
316	Evidence for the existence of Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS) with and without abdominal discomfort (irritable bowel) syndrome. <i>Neuroendocrinology Letters</i> , <b>2014</b> , 35, 445-53	0.3	15
315	Tumor necrosis factor alpha (TNF- $\alpha$ ) and its soluble receptors are associated with disability, disability progression and clinical forms of multiple sclerosis. <i>Inflammation Research</i> , <b>2019</b> , 68, 1049-1059	7.2	14
314	Shared microglial mechanisms underpinning depression and chronic fatigue syndrome and their comorbidities. <i>Behavioural Brain Research</i> , <b>2019</b> , 372, 111975	3.4	14
313	Increased adhesion molecule levels in systemic lupus erythematosus: relationships with severity of illness, autoimmunity, metabolic syndrome and cortisol levels. <i>Lupus</i> , <b>2018</b> , 27, 380-388	2.6	14
312	Antenatal depression and hematocrit levels as predictors of postpartum depression and anxiety symptoms. <i>Psychiatry Research</i> , <b>2016</b> , 238, 211-217	9.9	14
311	Disability in multiple sclerosis is associated with age and inflammatory, metabolic and oxidative/nitrosative stress biomarkers: results of multivariate and machine learning procedures. <i>Metabolic Brain Disease</i> , <b>2019</b> , 34, 1401-1413	3.9	14
310	Cytokines in detoxified patients with chronic alcoholism without liver disease: increased monocytic cytokine production. <i>Biological Psychiatry</i> , <b>1999</b> , 45, 1212-6	7.9	14
309	Increased plasma serine concentrations in depression. <i>Neuropsychobiology</i> , <b>1995</b> , 31, 10-5	4	14
308	Neutrophil chemotaxis, phagocytosis, and superoxide release in depressive illness. <i>Biological Psychiatry</i> , <b>1992</b> , 31, 1220-4	7.9	14
307	Seasonal variation and meteoropism in various self-rated psychological and physiological features of a normal couple. <i>International Journal of Biometeorology</i> , <b>1992</b> , 36, 195-200	3.7	14
306	The decreased availability of L-tryptophan in depressed females: clinical and biological correlates. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>1990</b> , 14, 903-19	5.5	14
305	Overlapping the Tryptophan Catabolite (TRYCAT) and Melatonineric Pathways in Alzheimer's Disease. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 1074-85	3.3	14



304	Inflammation and Mitochondrial Dysfunction in Autism Spectrum Disorder. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2020</b> , 19, 320-333	2.6	14
303	In the puerperium, primiparae exhibit higher levels of anxiety and serum peptidase activity and greater immune responses than multiparae. <i>Journal of Clinical Psychiatry</i> , <b>2004</b> , 65, 71-6	4.6	14
302	Gut microbiota-derived vitamins - underrated powers of a multipotent ally in psychiatric health and disease. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2021</b> , 107, 110240	5.5	14
301	In Schizophrenia, Deficits in Natural IgM Isotype Antibodies Including those Directed to Malondialdehyde and Azelaic Acid Strongly Predict Negative Symptoms, Neurocognitive Impairments, and the Deficit Syndrome. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 5122-5135	6.2	14
300	Early Life Trauma Predicts Affective Phenomenology and the Effects are Partly Mediated by Staging Coupled with Lowered Lipid-Associated Antioxidant Defences. <i>Biomolecular Concepts</i> , <b>2018</b> , 9, 115-130	3.7	14
299	Serum Tryptophan, Tryptophan Catabolites and Brain-derived Neurotrophic Factor in Subgroups of Youngsters with Autism Spectrum Disorders. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2018</b> , 17, 626-639	2.6	14
298	Psychometric properties of the modified Yale Food Addiction Scale 2.0 in a large Brazilian sample. <i>Revista Brasileira De Psiquiatria</i> , <b>2018</b> , 40, 444-448	2.6	14
297	Brain antioxidant effect of mirtazapine and reversal of sedation by its combination with alpha-lipoic acid in a model of depression induced by corticosterone. <i>Journal of Affective Disorders</i> , <b>2017</b> , 219, 49-57	6.6	13
296	Protective effect of genetic deletion of pannexin1 in experimental mouse models of acute and chronic liver disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2018</b> , 1864, 819-830	6.9	13
295	Vascular endothelial growth factor receptor 2 gene (KDR) polymorphisms and expression levels in depressive disorder. <i>Journal of Affective Disorders</i> , <b>2013</b> , 147, 144-9	6.6	13
294	The effect of cocaine sensitization on mouse immunoreactivity. <i>European Journal of Pharmacology</i> , <b>2004</b> , 483, 309-15	5.3	13
293	Polyunsaturated fatty acids in depression. <i>Acta Neuropsychiatrica</i> , <b>2003</b> , 15, 15-21	3.9	13
292	Neuroimmunological aspects of the alterations in zinc homeostasis in the pathophysiology and treatment of depression. <i>Acta Neuropsychiatrica</i> , <b>2000</b> , 12, 49-53	3.9	13
291	A further investigation of basal HPT axis function in unipolar depression: effects of diagnosis, hospitalization, and dexamethasone administration. <i>Psychiatry Research</i> , <b>1994</b> , 51, 185-201	9.9	13
290	The cimetidine-induced increase in prolactin secretion in schizophrenia: effect of clozapine. <i>Psychopharmacology</i> , <b>1993</b> , 112, S95-104	4.7	13
289	The influences of dexamethasone levels on the predictive value of the DST for unipolar major depression and the relationships between post-dexamethasone cortisol and ACTH levels. <i>Journal of Affective Disorders</i> , <b>1989</b> , 17, 39-46	6.6	13
288	A revised interpretation of the TRH test results in female depressed patients. Part II: Prolactin responses. Relationships with sex hormones, corticosteroid state, age, monoamines and amino acid levels. <i>Journal of Affective Disorders</i> , <b>1989</b> , 16, 215-21	6.6	13
287	The role of microglia in neuroprogressive disorders: mechanisms and possible neurotherapeutic effects of induced ketosis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2020</b> , 99, 109858	5.5	13

286	Depression in the medically ill. <i>Australian and New Zealand Journal of Psychiatry</i> , <b>2020</b> , 54, 346-366	2.6	13
285	The impact of glutathione metabolism in autism spectrum disorder. <i>Pharmacological Research</i> , <b>2021</b> , 166, 105437	10.2	13
284	Relationships of climatic data to immune and hematologic variables in normal human. <i>Neuroendocrinology Letters</i> , <b>2000</b> , 21, 127-136	0.3	13
283	Insulin resistance, atherogenicity, and iron metabolism in multiple sclerosis with and without depression: Associations with inflammatory and oxidative stress biomarkers and uric acid. <i>Psychiatry Research</i> , <b>2017</b> , 250, 113-120	9.9	12
282	Machine Learning to Understand the Immune-Inflammatory Pathways in Fibromyalgia. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	12
281	Myalgic encephalomyelitis/chronic fatigue syndrome: From pathophysiological insights to novel therapeutic opportunities. <i>Pharmacological Research</i> , <b>2019</b> , 148, 104450	10.2	12
280	Paranoid schizophrenia and methamphetamine-induced paranoia are both characterized by a similar LINE-1 partial methylation profile, which is more pronounced in paranoid schizophrenia. <i>Schizophrenia Research</i> , <b>2019</b> , 208, 221-227	3.6	12
279	Prolyl endopeptidase and dipeptidyl peptidase IV are associated with externalizing and aggressive behaviors in normal and autistic adolescents. <i>Life Sciences</i> , <b>2015</b> , 136, 157-62	6.8	12
278	Schizophrenia phenomenology revisited: positive and negative symptoms are strongly related reflective manifestations of an underlying single trait indicating overall severity of schizophrenia. <i>CNS Spectrums</i> , <b>2021</b> , 26, 368-377	1.8	12
277	Induced Ketosis as a Treatment for Neuroprogressive Disorders: Food for Thought?. <i>International Journal of Neuropsychopharmacology</i> , <b>2020</b> , 23, 366-384	5.8	12
276	Natural regulatory IgM-mediated autoimmune responses directed against malondialdehyde regulate oxidative and nitrosative pathways and coupled with IgM responses to nitroso adducts attenuate depressive and physiosomatic symptoms at the end of term pregnancy. <i>Psychiatry and Clinical Neurosciences</i> , <b>2018</b> , 72, 116-130	6.2	12
275	Upregulation of the nitrosylome in bipolar disorder type 1 (BP1) and major depression, but not BP2: Increased IgM antibodies to nitrosylated conjugates are associated with indicants of leaky gut. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2019</b> , 91, 67-76	5	12
274	Inhibition of 2,4-dinitrofluorobenzene-induced contact hypersensitivity reaction by antidepressant drugs. <i>Pharmacological Reports</i> , <b>2013</b> , 65, 1237-46	3.9	12
273	Association of paraoxonase (PON)1 activity, glutathione S-transferase GST T1/M1 and STin.2 polymorphisms with comorbidity of tobacco use disorder and mood disorders. <i>Neuroscience Letters</i> , <b>2015</b> , 585, 132-7	3.3	12
272	Lower activity of serum peptidases in abstinent alcohol-dependent patients. <i>Alcohol</i> , <b>1999</b> , 17, 1-6	2.7	12
271	Plasma soluble interleukin-2-receptor in depression: relationships to plasma neopterin and serum IL-2 concentrations and HPA-axis activity. <i>European Psychiatry</i> , <b>1995</b> , 10, 397-403	6	12
270	Pituitary and adrenal hormone responsiveness to Synacthen in melancholic subjects versus subjects with minor depression. <i>Biological Psychiatry</i> , <b>1993</b> , 33, 624-9	7.9	12
269	Suppressive effects of dexamethasone on hypothalamic-pituitary-thyroid axis function in depressed patients. <i>Journal of Affective Disorders</i> , <b>1990</b> , 20, 55-61	6.6	12

268	Construction of a Neuro-Immune-Cognitive Pathway-Phenotype Underpinning the Phenome of Deficit Schizophrenia. <i>Current Topics in Medicinal Chemistry</i> , <b>2020</b> , 20, 747-758	3	12
267	Serum Interleukin Levels and Insulin Resistance in Major Depressive Disorder. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2018</b> , 17, 618-625	2.6	12
266	Psychological stress and the inflammatory response system. <i>Clinical Science</i> , <b>2001</b> , 101, 193	6.5	12
265	Increased plasma levels of competing amino acids, rather than lowered plasma tryptophan levels, are associated with a non-response to treatment in major depression. <i>European Neuropsychopharmacology</i> , <b>2016</b> , 26, 1286-96	1.2	12
264	Salivary cortisol in panic: are males more vulnerable?. <i>Neuroendocrinology Letters</i> , <b>2004</b> , 25, 386-90	0.3	12
263	Decreased dehydroepiandrosterone sulfate but normal insulin-like growth factor in chronic fatigue syndrome (CFS): relevance for the inflammatory response in CFS. <i>Neuroendocrinology Letters</i> , <b>2005</b> , 26, 487-92	0.3	12
262	In schizophrenia, psychomotor retardation is associated with executive and memory impairments, negative and psychotic symptoms, neurotoxic immune products and lower natural IgM to malondialdehyde. <i>World Journal of Biological Psychiatry</i> , <b>2020</b> , 21, 383-401	3.8	11
261	Antioxidant and Anti-inflammatory Diagnostic Biomarkers in Multiple Sclerosis: A Machine Learning Study. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 2167-2178	6.2	11
260	Different patterns of alcohol consumption and the incidence and persistence of depressive and anxiety symptoms among older adults in Ireland: A prospective community-based study. <i>Journal of Affective Disorders</i> , <b>2018</b> , 238, 651-658	6.6	11
259	The compensatory antioxidant response system with a focus on neuroprogressive disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2019</b> , 95, 109708	5.5	11
258	SLC6A4 STin2 VNTR genetic polymorphism is associated with tobacco use disorder, but not with successful smoking cessation or smoking characteristics: a case control study. <i>BMC Genetics</i> , <b>2014</b> , 15, 78	2.6	11
257	Fatty acid profile and affective dysregulation in irritable bowel syndrome. <i>Lipids</i> , <b>2004</b> , 39, 425-31	1.6	11
256	The importance of creatinine flow, age and 24 h urinary output in the interpretation of the MHPG flow. <i>Journal of Affective Disorders</i> , <b>1986</b> , 10, 221-5	6.6	11
255	Supervised machine learning to decipher the complex associations between neuro-immune biomarkers and quality of life in schizophrenia. <i>Metabolic Brain Disease</i> , <b>2019</b> , 34, 267-282	3.9	11
254	Imaging genetics paradigms in depression research: Systematic review and meta-analysis. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 86, 102-113	5.5	11
253	Suicide attempts are associated with activated immune-inflammatory, nitro-oxidative, and neurotoxic pathways: A systematic review and meta-analysis. <i>Journal of Affective Disorders</i> , <b>2021</b> , 295, 80-92	6.6	11
252	Increased expression of activation antigens on CD8+ T lymphocytes in Myalgic Encephalomyelitis/chronic fatigue syndrome: inverse associations with lowered CD19+ expression and CD4+/CD8+ ratio, but no associations with (auto)immune, leaky gut, oxidative and nitrosative stress biomarkers. <i>Neuroendocrinology Letters</i> , <b>2015</b> , 36, 439-46	0.3	11
251	Preventive treatments to slow substantia nigra damage and Parkinson's disease progression: A critical perspective review. <i>Pharmacological Research</i> , <b>2020</b> , 161, 105065	10.2	10

250	Tumor necrosis factor beta Nco1 polymorphism is associated with inflammatory and metabolic markers in multiple sclerosis patients. <i>Journal of the Neurological Sciences</i> , <b>2014</b> , 346, 156-63	3.2	10
249	Proteomic and metabolomic responses to connexin43 silencing in primary hepatocyte cultures. <i>Archives of Toxicology</i> , <b>2013</b> , 87, 883-94	5.8	10
248	Serotonin-immune interactions in detoxified chronic alcoholic patients without apparent liver disease: activation of the inflammatory response system and lower plasma total tryptophan. <i>Psychiatry Research</i> , <b>1998</b> , 78, 151-61	9.9	10
247	Introduction to the special section. <i>International Journal of Neuropsychopharmacology</i> , <b>2002</b> , 5, 329-31	5.8	10
246	Linear CT-scan measurements in alcohol-dependent patients with and without delirium tremens. <i>Alcohol</i> , <b>2000</b> , 20, 117-23	2.7	10
245	Breast Feeding and Melatonin: Implications for Improving Perinatal Health <b>2015</b> , 1, 8-20		10
244	Cell adhesion molecules, plasminogen activator inhibitor type 1, and metabolic syndrome in patients with psoriasis. <i>Clinical and Experimental Medicine</i> , <b>2020</b> , 20, 39-48	4.9	10
243	Chronic fatigue and depression due to multiple sclerosis: Immune-inflammatory pathways, tryptophan catabolites and the gut-brain axis as possible shared pathways. <i>Multiple Sclerosis and Related Disorders</i> , <b>2020</b> , 46, 102533	4	10
242	Pattern of Methamphetamine Use and the Time Lag to Methamphetamine Dependence. <i>Journal of Addiction Medicine</i> , <b>2018</b> , 12, 92-98	3.8	10
241	Characteristics of Mild Cognitive Impairment Using the Thai Version of the Consortium to Establish a Registry for Alzheimer Disease Tests: A Multivariate and Machine Learning Study. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>2018</b> , 45, 38-48	2.6	9
240	Depressive, anxiety and hypomanic symptoms in schizophrenia may be driven by tryptophan catabolite (TRYCAT) patterning of IgA and IgM responses directed to TRYCATs. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 80, 205-216	5.5	9
239	Inflammatory and oxidative and nitrosative stress cascades as new drug targets in myalgic encephalomyelitis and chronic fatigue syndrome. <i>Modern Problems of Pharmacopsychiatry</i> , <b>2013</b> , 28, 162-74		9
238	Immune Disturbances in Treatment-Resistant Depression: Modulation by Antidepressive Treatments <b>1997</b> , 12, 153-162		9
237	Effects of pregnancy and delivery on serum prolyl endopeptidase (PEP) activity: alterations in serum PEP are related to increased anxiety in the early puerperium and to postpartum depression. <i>Journal of Affective Disorders</i> , <b>2000</b> , 57, 125-37	6.6	9
236	Acute administration of buspirone increases the escape of hypothalamic-pituitary-adrenal-axis hormones from suppression by dexamethasone in depression. <i>Psychoneuroendocrinology</i> , <b>1996</b> , 21, 67-81	5	9
235	A videotape as introduction for cognitive behavioral therapy with depressed inpatients. <i>Psychological Reports</i> , <b>1993</b> , 72, 440-2	1.6	9
234	Lower angiotensin I converting enzyme activity in melancholic subjects: a pilot study. <i>Biological Psychiatry</i> , <b>1992</b> , 32, 621-4	7.9	9
233	How to Construct a Bottom-Up Nomotheitic Network Model and Disclose Novel Nosological Classes by Integrating Risk Resilience and Adverse Outcome Pathways with the Phenome of Schizophrenia. <i>Brain Sciences</i> , <b>2020</b> , 10,	3.4	9

232	CCL-11 or Eotaxin-1: An Immune Marker for Ageing and Accelerated Ageing in Neuro-Psychiatric Disorders. <i>Pharmaceuticals</i> , <b>2020</b> , 13,	5.2	9
231	How can we improve antidepressant adherence in the management of depression? A targeted review and 10 clinical recommendations. <i>Revista Brasileira De Psiquiatria</i> , <b>2021</b> , 43, 189-202	2.6	9
230	Lowered zinc and copper levels in drug-naïve patients with major depression: Effects of antidepressants, ketoprofen and immune activation. <i>World Journal of Biological Psychiatry</i> , <b>2020</b> , 21, 127-138	3.8	9
229	Mitochondrial DNA copy number, damage, repair and degradation in depressive disorder. <i>World Journal of Biological Psychiatry</i> , <b>2020</b> , 21, 91-101	3.8	9
228	Construction of a nitro-oxidative stress-driven, mechanistic model of mood disorders: A nomothetic network approach. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2021</b> , 106, 45-54	5	9
227	Serum testosterone concentration in male autistic youngsters. <i>Neuroendocrinology Letters</i> , <b>2010</b> , 31, 483-8	0.3	9
226	IgM-mediated autoimmune responses to oxidative specific epitopes, but not nitrosylated adducts, are significantly decreased in pregnancy: association with bacterial translocation, perinatal and lifetime major depression and the tryptophan catabolite (TRYCAT) pathway. <i>Metabolic Brain Disease</i> , <b>2017</b> , 32, 1571-1583	3.9	8
225	Interaction of the immune-inflammatory and the kynurenine pathways in rats resistant to antidepressant treatment in model of depression. <i>International Immunopharmacology</i> , <b>2019</b> , 73, 527-538	5.8	8
224	Inhibitory effect of antidepressant drugs on contact hypersensitivity reaction is connected with their suppressive effect on NKT and CD8(+) T cells but not on TCR delta T cells. <i>International Immunopharmacology</i> , <b>2015</b> , 28, 1091-6	5.8	8
223	STin2 VNTR polymorphism is associated with comorbid tobacco use and mood disorders. <i>Journal of Affective Disorders</i> , <b>2015</b> , 172, 347-54	6.6	8
222	Immune-Inflammatory, Metabolic, Oxidative, and Nitrosative Stress Biomarkers Predict Acute Ischemic Stroke and Short-Term Outcome. <i>Neurotoxicity Research</i> , <b>2020</b> , 38, 330-343	4.3	8
221	A multi-national, multi-disciplinary Delphi consensus study on using omega-3 polyunsaturated fatty acids (n-3 PUFAs) for the treatment of major depressive disorder. <i>Journal of Affective Disorders</i> , <b>2020</b> , 265, 233-238	6.6	8
220	New trends in the neurobiology and pharmacology of affective disorders. <i>Pharmacological Reports</i> , <b>2013</b> , 65, 1441-50	3.9	8
219	Models and methods for in vitro testing of hepatic gap junctional communication. <i>Toxicology in Vitro</i> , <b>2015</b> , 30, 569-577	3.6	8
218	Neuroimmunological parameters in panic disorder. <i>Acta Neuropsychiatrica</i> , <b>2004</b> , 16, 94-100	3.9	8
217	Serum activity of prolyl endopeptidase, but not of dipeptidyl peptidase IV, is decreased by immunotherapy with IFN-alpha in high-risk melanoma patients. <i>Journal of Interferon and Cytokine Research</i> , <b>2004</b> , 24, 411-5	3.5	8
216	Fatty acid composition of phospholipids and cholesteryl esters in maternal serum in the early puerperium. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , <b>2003</b> , 68, 331-5	2.8	8
215	The negative immunoregulatory effects of serotonin (5-HT) moduline, an endogenous 5-HT1B receptor antagonist with anti-anxiety properties. <i>Cytokine</i> , <b>2002</b> , 19, 308-11	4	8



214	Psychoimmunology as a common pathogenetic pathway in myocardial infarction, depression and cardiac death. <i>Current Opinion in Psychiatry</i> , <b>2000</b> , 13, 661-664	4.9	8
213	The influence of psychological stress on total serum protein and patterns obtained in serum protein electrophoresis. <i>Psychological Medicine</i> , <b>1998</b> , 28, 301-9	6.9	8
212	Relationships between basal hypothalamic-pituitary-thyroid-axis activity and plasma haptoglobin levels in depression. <i>Journal of Psychiatric Research</i> , <b>1994</b> , 28, 123-34	5.2	8
211	Adrenocorticotrophic hormone, beta-endorphin and cortisol responses to oCRH in unipolar depressed patients pretreated with dexamethasone. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>1994</b> , 18, 1273-92	5.5	8
210	High Mobility Group Protein 1 and Dickkopf-Related Protein 1 in Schizophrenia and Treatment-Resistant Schizophrenia: Associations With Interleukin-6, Symptom Domains, and Neurocognitive Impairments. <i>Schizophrenia Bulletin</i> , <b>2021</b> , 47, 530-541	1.3	8
209	Is dynapenia associated with the onset and persistence of depressive and anxiety symptoms among older adults? Findings from the Irish longitudinal study on ageing. <i>Aging and Mental Health</i> , <b>2021</b> , 25, 468-475	3.5	8
208	Translational evidence for the Inflammatory Response System (IRS)/Compensatory Immune Response System (CIRS) and neuroprogression theory of major depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2021</b> , 111, 110343	5.5	8
207	Inflammatory versus Anti-inflammatory Profiles in Major Depressive Disorders-The Role of IL-17, IL-21, IL-23, IL-35 and Foxp3. <i>Journal of Personalized Medicine</i> , <b>2021</b> , 11,	3.6	8
206	Faulty serotonin--DHEA interactions in autism: results of the 5-hydroxytryptophan challenge test. <i>Neuroendocrinology Letters</i> , <b>2008</b> , 29, 385-90	0.3	8
205	Molecular mechanisms underpinning laser printer and photocopier induced symptoms, including chronic fatigue syndrome and respiratory tract hyperresponsiveness: pharmacological treatment with cinnamon and hydrogen. <i>Neuroendocrinology Letters</i> , <b>2013</b> , 34, 723-37	0.3	8
204	The role of immune and oxidative pathways in menstrual cycle associated depressive, physio-somatic, breast and anxiety symptoms: Modulation by sex hormones. <i>Journal of Psychosomatic Research</i> , <b>2020</b> , 135, 110158	4.1	7
203	Thiol Groups as a Biomarker for the Diagnosis and Prognosis of Prostate Cancer. <i>Scientific Reports</i> , <b>2020</b> , 10, 9093	4.9	7
202	Body image dissatisfaction in pregnant and non-pregnant females is strongly predicted by immune activation and mucosa-derived activation of the tryptophan catabolite (TRYCAT) pathway. <i>World Journal of Biological Psychiatry</i> , <b>2018</b> , 19, 200-209	3.8	7
201	Total and ionized calcium and magnesium are significantly lowered in drug-naïve depressed patients: effects of antidepressants and associations with immune activation. <i>Metabolic Brain Disease</i> , <b>2019</b> , 34, 1493-1503	3.9	7
200	The menstrual cycle may not be limited to the endometrium but also may impact gut permeability. <i>Acta Neuropsychiatrica</i> , <b>2019</b> , 31, 294-304	3.9	7
199	Indices of insulin resistance and glucotoxicity are not associated with bipolar disorder or major depressive disorder, but are differently associated with inflammatory, oxidative and nitrosative biomarkers. <i>Journal of Affective Disorders</i> , <b>2017</b> , 222, 185-194	6.6	7
198	Cytokines in schizophrenia. <i>Biological Psychiatry</i> , <b>1997</b> , 42, 308-9	7.9	7
197	Seasonal variation in postdexamethasone cortisol values in depressed inpatients. Results of least squares cosine spectral analysis. <i>Journal of Affective Disorders</i> , <b>1997</b> , 44, 5-12	6.6	7

196	Interleukin-1beta and the etiology of depression. <i>Acta Psychiatrica Scandinavica</i> , <b>2001</b> , 103, 161-2	6.5	7
195	Risk and preventive factors of post-traumatic stress disorder and its co-morbid disorders. <i>Current Opinion in Psychiatry</i> , <b>2000</b> , 13, 587-589	4.9	7
194	Lower serum transcortin (CBG) in major depressed females: relationships with baseline and postdexamethasone cortisol values. <i>Journal of Affective Disorders</i> , <b>1996</b> , 38, 47-56	6.6	7
193	Inflammation and nitro-oxidative stress in current suicidal attempts and current suicidal ideation: a systematic review and meta-analysis.. <i>Molecular Psychiatry</i> , <b>2022</b> ,	15.1	7
192	The Role of Aberrations in the Immune-inflammatory Reflex System (IRS) and the Compensatory Immune-regulatory Reflex System (CIRS) in Different Phenotypes of Schizophrenia: The IRS-CIRS Theory of Schizophrenia		7
191	Common Environmental Factors May Underpin the Comorbidity Between Generalized Anxiety Disorder and Mood Disorders Via Activated Nitro-oxidative Pathways. <i>Current Topics in Medicinal Chemistry</i> , <b>2018</b> , 18, 1621-1640	3	7
190	Deficit schizophrenia and its features are associated with PON1 Q192R genotypes and lowered paraoxonase 1 (PON1) enzymatic activity: effects on bacterial translocation. <i>CNS Spectrums</i> , <b>2021</b> , 26, 406-415	1.8	7
189	Environmental, Neuro-immune, and Neuro-oxidative Stress Interactions in Chronic Fatigue Syndrome. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 4598-4607	6.2	7
188	The Endogenous Opioid System in Schizophrenia and Treatment Resistant Schizophrenia: Increased Plasma Endomorphin 2, and $\mu$ and $\kappa$ Opioid Receptors Are Associated with Interleukin-6. <i>Diagnostics</i> , <b>2020</b> , 10,	3.8	7
187	Paraoxonase 1 (PON1) Q192R genotypes and their interaction with smoking strongly increase atherogenicity and the Framingham risk score. <i>Archives of Endocrinology and Metabolism</i> , <b>2016</b> , 60, 426-435	2.2	7
186	Polymorphisms of iodothyronine deiodinases (DIO1, DIO3) genes are not associated with recurrent depressive disorder. <i>Pharmacological Reports</i> , <b>2016</b> , 68, 913-7	3.9	7
185	Lowered Plasma Steady-State Levels of Progesterone Combined With Declining Progesterone Levels During the Luteal Phase Predict Peri-Menstrual Syndrome and Its Major Subdomains. <i>Frontiers in Psychology</i> , <b>2019</b> , 10, 2446	3.4	7
184	Methamphetamine (MA) Use Induces Specific Changes in LINE-1 Partial Methylation Patterns, Which Are Associated with MA-Induced Paranoia: a Multivariate and Neuronal Network Study. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 4258-4272	6.2	7
183	Increased nitro-oxidative stress toxicity as a major determinant of increased blood pressure in mood disorders. <i>Journal of Affective Disorders</i> , <b>2021</b> , 278, 226-238	6.6	7
182	Chronic fatigue syndrome: la bête noire of the Belgian health care system. <i>Neuroendocrinology Letters</i> , <b>2009</b> , 30, 300-11	0.3	7
181	Attenuation of autoimmune responses to oxidative specific epitopes, but not nitroso-adducts, is associated with a better clinical outcome in Myalgic Encephalomyelitis/chronic fatigue syndrome. <i>Neuroendocrinology Letters</i> , <b>2014</b> , 35, 577-85	0.3	7
180	Development of a Novel Neuro-immune and Opioid-Associated Fingerprint with a Cross-Validated Ability to Identify and Authenticate Unknown Patients with Major Depression: Far Beyond Differentiation, Discrimination, and Classification. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 7822-7835	6.2	6
179	Paraoxonase (PON)1 Q192R functional genotypes and PON1 Q192R genotype by smoking interactions are risk factors for the metabolic syndrome, but not overweight or obesity. <i>Redox Report</i> , <b>2014</b> , 19, 232-41	5.9	6

178	Does a conservative tibial cut in conventional total knee arthroplasty violate the deep medial collateral ligament?. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2014</b> , 22, 2735-9	5.5	6
177	Relation of levels of serum lipoproteins to depression after acute myocardial infarction. <i>American Journal of Cardiology</i> , <b>2002</b> , 90, 1368-70	3	6
176	Haloperidol plasma threshold levels for relapse prevention in schizophrenia: a study with haloperidol decanoate. <i>European Neuropsychopharmacology</i> , <b>1995</b> , 5 Suppl, 55-8	1.2	6
175	Assessment of type 1 and type 3 deiodinase expression levels in depressive disorders. <i>Acta Neurobiologiae Experimentalis</i> , <b>2017</b> , 77, 225-235	1	6
174	Update on the neurodevelopmental theory of depression: is there any unconscious code? <i>Pharmacological Reports</i> , <b>2021</b> , 73, 346-356	3.9	6
173	In major depression, increased kappa and mu opioid receptor levels are associated with immune activation. <i>Acta Neuropsychiatrica</i> , <b>2020</b> , 32, 99-108	3.9	6
172	Inflammatory and Oxidative Pathways Are New Drug Targets in Multiple Episode Schizophrenia and Leaky Gut, Klebsiella pneumoniae, and C1q Immune Complexes Are Additional Drug Targets in First Episode Schizophrenia. <i>Molecular Neurobiology</i> , <b>2021</b> , 58, 3319-3334	6.2	6
171	In schizophrenia, immune-inflammatory pathways are strongly associated with depressive and anxiety symptoms, which are part of a latent trait which comprises neurocognitive impairments and schizophrenia symptoms. <i>Journal of Affective Disorders</i> , <b>2021</b> , 287, 316-326	6.6	6
170	The uterine-chemokine-brain axis: menstrual cycle-associated symptoms (MCAS) are in part mediated by CCL2, CCL5, CCL11, CXCL8 and CXCL10. <i>Journal of Affective Disorders</i> , <b>2020</b> , 269, 85-93	6.6	6
169	Chronic fatigue syndrome and fibromyalgia-like symptoms are an integral component of the phenome of schizophrenia: neuro-immune and opioid system correlates. <i>Metabolic Brain Disease</i> , <b>2021</b> , 36, 169-183	3.9	6
168	Increased mitogen-induced lymphocyte proliferation in treatment resistant depression: a preliminary study. <i>Neuroendocrinology Letters</i> , <b>2004</b> , 25, 207-10	0.3	6
167	Addition of vitamin D reverses the decline in GFR following treatment with ACE inhibitors/angiotensin receptor blockers in patients with chronic kidney disease. <i>Life Sciences</i> , <b>2017</b> , 191, 175-179	6.8	5
166	Chronic fatigue and fibromyalgia symptoms are key components of deficit schizophrenia and are strongly associated with activated immune-inflammatory pathways. <i>Schizophrenia Research</i> , <b>2020</b> , 222, 342-353	3.6	5
165	Major Depression in Children with Transfusion-Dependent Thalassemia Is Strongly Associated with the Combined Effects of Blood Transfusion Rate, Iron Overload, and Increased Pro-inflammatory Cytokines. <i>Neurotoxicity Research</i> , <b>2020</b> , 38, 228-241	4.3	5
164	Metabolic syndrome and the decreased levels of uric acid by leflunomide favor redox imbalance in patients with rheumatoid arthritis. <i>Clinical and Experimental Medicine</i> , <b>2018</b> , 18, 363-372	4.9	5
163	In Thai Nationals, the ApoE4 Allele Affects Multiple Domains of Neuropsychological, Biobehavioral, and Social Functioning Thereby Contributing to Alzheimer's Disorder, while the ApoE3 Allele Protects Against Neuropsychiatric Symptoms and Psychosocial Deficits. <i>Molecular Neurobiology</i> , <b>2019</b> , 51, 1110-1119	6.2	5
162	Episodic memory and delayed recall are significantly more impaired in younger patients with deficit schizophrenia than in elderly patients with amnesic mild cognitive impairment. <i>PLoS ONE</i> , <b>2018</b> , 13, e0197004	3.7	5
161	Treatment of myalgic encephalomyelitis/chronic fatigue syndrome (ME/CFS), a multisystem disease, should target the pathophysiological aberrations (inflammatory and oxidative and nitrosative stress pathways), not the psychosocial "barriers" for a new equilibrium. <i>Patient Education and Counseling</i> , <b>2010</b> , 80, 118-9, author reply 117	3.1	5

160	Interleukin-2 and schizophrenia. <i>Psychiatry Research</i> , <b>1998</b> , 77, 63-4; author reply 65-6	9.9	5
159	Mood, prolactin and cortisol responses following intravenous L-tryptophan challenge: evidence for serotonergic vulnerability in first-degree relatives of bipolar patients. <i>International Journal of Neuropsychopharmacology</i> , <b>2002</b> , 5, 249-54	5.8	5
158	Effects of age and gender on the classification and phenomenology of unipolar depression. <i>Acta Neuropsychiatrica</i> , <b>2002</b> , 14, 29-35	3.9	5
157	Changes in platelet alpha-2-adrenoceptors in fibromyalgia: effects of treatment with antidepressants. <i>Neuropsychobiology</i> , <b>1999</b> , 40, 129-33	4	5
156	Stimulatory effects of L-5-hydroxytryptophan on postdexamethasone beta-endorphin levels in major depression. <i>Neuropsychopharmacology</i> , <b>1996</b> , 15, 340-8	8.7	5
155	MMPI assessment of the DSM-III-R histrionic personality disorder. <i>Journal of Personality Assessment</i> , <b>1993</b> , 60, 500-10	2.8	5
154	Minocycline as adjunctive treatment for major depressive disorder: Pooled data from two randomized controlled trials. <i>Australian and New Zealand Journal of Psychiatry</i> , <b>2021</b> , 55, 784-798	2.6	5
153	Effect of early screen media multitasking on behavioural problems in school-age children. <i>European Child and Adolescent Psychiatry</i> , <b>2021</b> , 30, 1281-1297	5.5	5
152	Shared neuroimmune and oxidative pathways underpinning Chagas disease and major depressive disorder. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 419	8.6	5
151	Affective temperaments and emotional traits are associated with a positive screening for premenstrual dysphoric disorder. <i>Comprehensive Psychiatry</i> , <b>2016</b> , 71, 33-38	7.3	5
150	Validation of the Thai version of the short Boston Naming Test (T-BNT) in patients with Alzheimer's dementia and mild cognitive impairment: clinical and biomarker correlates. <i>Aging and Mental Health</i> , <b>2019</b> , 23, 840-850	3.5	5
149	Trace element, immune and opioid biomarkers of unstable angina, increased atherogenicity and insulin resistance: Results of machine learning. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2021</b> , 64, 126703	4.1	5
148	Use of the Montreal Cognitive Assessment Thai Version to Discriminate Amnesic Mild Cognitive Impairment from Alzheimer's Disease and Healthy Controls: Machine Learning Results. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>2021</b> , 50, 183-194	2.6	5
147	Associations between severity of anxiety and clinical and biological features of major affective disorders. <i>Psychiatry Research</i> , <b>2018</b> , 260, 17-23	9.9	5
146	Increased C-reactive protein concentration and suicidal behavior in people with psychiatric disorders: A systematic review and meta-analysis. <i>Acta Psychiatrica Scandinavica</i> , <b>2021</b> , 144, 537-552	6.5	5
145	In humans, corticotropin releasing hormone antagonizes some of the negative immunoregulatory effects of serotonin. <i>Neuroendocrinology Letters</i> , <b>2003</b> , 24, 420-4	0.3	5
144	A new case definition of Neuro-Inflammatory and Oxidative Fatigue (NIOF), a neuroprogressive disorder, formerly known as chronic fatigue syndrome or Myalgic Encephalomyelitis: results of multivariate pattern recognition methods and external validation by neuro-immune biomarkers. <i>Neuroendocrinology Letters</i> , <b>2015</b> , 36, 320-9	0.3	5
143	The effects of pessimism on cell-mediated immunity in rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 80, 295-303	5.5	4

142	Peripheral Blood Biomarkers Coupled with the Apolipoprotein E4 Genotype Are Strongly Associated with Semantic and Episodic Memory Impairments in Elderly Subjects with Amnesic Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2019</b> , 71, 797-811	4.3	4
141	Paraoxonase 1 status and interactions between Q192R functional genotypes by smoking contribute significantly to total plasma radical trapping antioxidant potential. <i>Neuroscience Letters</i> , <b>2014</b> , 581, 46-51	3.3	4
140	Crosstalk between contact hypersensitivity reaction and antidepressant drugs. <i>Pharmacological Reports</i> , <b>2013</b> , 65, 1673-80	3.9	4
139	Total hip arthroplasty in inflammatory arthritis in patients under 35 years. A 7 to 19 year follow-up. <i>HIP International</i> , <b>2010</b> , 20, 163-70	1.7	4
138	Mechanisms of interferon-alpha-induced depressive symptoms. <i>Acta Neuropsychiatrica</i> , <b>2002</b> , 14, 103-5	3.9	4
137	Borna disease virus and deficit schizophrenia. <i>Acta Neuropsychiatrica</i> , <b>2003</b> , 15, 262-5	3.9	4
136	Psychomotor, neuroendocrine and behavioural effects after oral administration of levodopa in normal volunteers. <i>Psychiatry Research</i> , <b>2004</b> , 128, 103-6	9.9	4
135	Biography. <i>Acta Psychiatrica Scandinavica</i> , <b>2001</b> , 103, 237	6.5	4
134	STABILITY OF INTERLEUKIN 6, SOLUBLE INTERLEUKIN 6 RECEPTOR, INTERLEUKIN 10 AND CC16 IN HUMAN SERUM. <i>Cytokine</i> , <b>2002</b> , 19, 228-235	4	4
133	Reduced number of red blood cells, lowered hematocrit and hemoglobin, and increased number of reticulocytes in major depression as indicators of activation of the inflammatory response system: effects of antidepressant drugs <b>1999</b> , 14, 45-52		4
132	The Neuro-Immune Fingerprint of Major Neuro-Cognitive Psychosis or Deficit Schizophrenia: A Supervised Machine Learning Study		4
131	The Effects of Tryptophan Catabolites on Negative Symptoms and Deficit Schizophrenia are Partly Mediated by Executive Impairments: Results of Partial Least Squares Path Modeling. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2018</b> , 17, 473-486	2.6	4
130	Plasma Indoleamine-2,3-Dioxygenase (IDO) is Increased in Drug-Naïve Major Depressed Patients and Treatment with Sertraline and Ketoprofen Normalizes IDO in Association with Pro-Inflammatory and Immune-Regulatory Cytokines. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2020</b> , 19, 44-54	2.6	4
129	Immune-inflammatory, metabolic and hormonal biomarkers are associated with the clinical forms and disability progression in patients with multiple sclerosis: A follow-up study. <i>Journal of the Neurological Sciences</i> , <b>2020</b> , 410, 116630	3.2	4
128	Can endolysosomal deacidification and inhibition of autophagy prevent severe COVID-19?. <i>Life Sciences</i> , <b>2020</b> , 262, 118541	6.8	4
127	Menstruation distress is strongly associated with hormone-immune-metabolic biomarkers. <i>Journal of Psychosomatic Research</i> , <b>2021</b> , 142, 110355	4.1	4
126	Disruption of circadian rhythm and risk of autism spectrum disorder: role of immune-inflammatory, oxidative stress, metabolic and neurotransmitter pathways. <i>Reviews in the Neurosciences</i> , <b>2021</b> ,	4.7	4
125	Immune-inflammatory, coagulation, adhesion, and imaging biomarkers combined in machine learning models improve the prediction of death 1 year after ischemic stroke. <i>Clinical and Experimental Medicine</i> , <b>2021</b> , 1	4.9	4



124	The role of high-density lipoprotein cholesterol, apolipoprotein A and paraoxonase-1 in the pathophysiology of neuroprogressive disorders. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 125, 244-263	9.263	4
123	Impairments in Peripheral Blood T Effector and T Regulatory Lymphocytes in Bipolar Disorder Are Associated with Staging of Illness and Anti-cytomegalovirus IgG Levels. <i>Molecular Neurobiology</i> , <b>2021</b> , 58, 229-242	6.2	4
122	Carotid intima media thickness measurements coupled with stroke severity strongly predict short-term outcome in patients with acute ischemic stroke: a machine learning study. <i>Metabolic Brain Disease</i> , <b>2021</b> , 36, 1747-1761	3.9	4
121	The endocannabinoidome in neuropsychiatry: Opportunities and potential risks. <i>Pharmacological Research</i> , <b>2021</b> , 170, 105729	10.2	4
120	Shared metabolic and neuroimmune mechanisms underlying Type 2 Diabetes Mellitus and Major Depressive Disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2021</b> , 111, 110351	5.5	4
119	Increased Oxidative Stress Toxicity and Lowered Antioxidant Defenses in Temporal Lobe Epilepsy and Mesial Temporal Sclerosis: Associations with Psychiatric Comorbidities. <i>Molecular Neurobiology</i> , <b>2020</b> , 57, 3334-3348	6.2	3
118	Expression levels of interferon- $\gamma$ and type 2 deiodinase in patients diagnosed with recurrent depressive disorders. <i>Pharmacological Reports</i> , <b>2018</b> , 70, 133-138	3.9	3
117	Cell adhesion molecules and plasminogen activator inhibitor type-1 (PAI-1) in patients with rheumatoid arthritis: influence of metabolic syndrome. <i>Clinical and Experimental Medicine</i> , <b>2018</b> , 18, 495-504	4.8	3
116	Development and Evaluation of an Interactive Electro-Encephalogram-Based Neurofeedback System for Training Attention and Attention Defects in Children. <i>Journal of Medical Imaging and Health Informatics</i> , <b>2015</b> , 5, 1045-1052	1.2	3
115	Letter to the Editor: Plausible explanations for neurocognitive deficits in ME/CFS, aggravation of neurocognitive impairment induced by exertion. <i>Psychological Medicine</i> , <b>2010</b> , 40, 1230-6	6.9	3
114	Cytokines in obsessive-compulsive disorder. <i>Biological Psychiatry</i> , <b>1997</b> , 42, 1187-8	7.9	3
113	Pathophysiology of autism: current opinions. <i>Acta Neuropsychiatrica</i> , <b>2002</b> , 14, 93-102	3.9	3
112	Influence of antidepressants on intracellular levels of cyclic adenosine monophosphate in human peripheral blood mononuclear cells. <i>European Neuropsychopharmacology</i> , <b>2003</b> , 13, 53-6	1.2	3
111	Central nervous system symptoms related to the use of efavirenz in HIV-seropositive patients. <i>Current Opinion in Psychiatry</i> , <b>2002</b> , 15, 643-647	4.9	3
110	Lower serum zinc in relation to serum albumin and proinflammatory cytokines in detoxified alcohol-dependent patients without apparent liver disease. <i>Neuropsychobiology</i> , <b>1999</b> , 39, 144-50	4	3
109	MMPI characteristics of the DSM-III-R avoidant personality disorder. <i>Psychological Reports</i> , <b>1991</b> , 69, 75-81	6	3
108	In COVID-19, NLRP3 inflammasome genetic variants are associated with critical disease and these effects are partly mediated by the sickness symptom complex: a nomothetic network approach.. <i>Molecular Psychiatry</i> , <b>2022</b> ,	15.1	3
107	In Schizophrenia, Psychomotor Retardation is Associated with Executive and Memory Impairments, Negative and Psychotic Symptoms, Neurotoxic Immune Products and Lower Natural IgM to Malondialdehyde		3

106	Upregulation of the Intestinal Paracellular Pathway with Breakdown of Tight and Adherens Junctions in Deficit Schizophrenia		3
105	A Generalized Cognitive Decline (GCoDe) Partly Mediates the Effects of Neuro-Immune and Neuro-Oxidative Toxicity on the Symptomatology and Lowered Quality of Life in (Deficit) Schizophrenia		3
104	First Episode Psychosis and Schizophrenia Are Systemic Neuro-Immune Disorders Triggered by a Biotic Stimulus in Individuals with Reduced Immune Regulation and Neuroprotection. <i>Cells</i> , <b>2021</b> , 10,	7.9	3
103	Effective Connectivity between Major Nodes of the Limbic System, Salience and Frontoparietal Networks Differentiates Schizophrenia and Mood Disorders from Healthy Controls. <i>Journal of Personalized Medicine</i> , <b>2021</b> , 11,	3.6	3
102	Influence of treatments on cell adhesion molecules in patients with systemic lupus erythematosus and rheumatoid arthritis: a review. <i>Inflammopharmacology</i> , <b>2020</b> , 28, 363-384	5.1	3
101	Distant socializing, not social distancing, as a public health strategy for COVID-19. <i>Pathogens and Global Health</i> , <b>2021</b> , 115, 357-364	3.1	3
100	A Review of the Global Impact of the COVID-19 Pandemic on Public Mental Health, with a Comparison Between the USA, Australia, and Poland with Taiwan and Thailand. <i>Medical Science Monitor</i> , <b>2021</b> , 27, e932220	3.2	3
99	False Dogmas in Schizophrenia Research: Toward the Reification of Pathway Phenotypes and Pathway Classes. <i>Frontiers in Psychiatry</i> , <b>2021</b> , 12, 663985	5	3
98	Personality disorder and functioning in major depressive disorder: a nested study within a randomized controlled trial. <i>Revista Brasileira De Psiquiatria</i> , <b>2020</b> , 42, 14-21	2.6	3
97	Immune to happiness - inflammatory process indicators and depressive personality traits. <i>Archives of Medical Science</i> , <b>2020</b> , 16, 848-857	2.9	3
96	In schizophrenia, non-remitters and partial remitters to treatment with antipsychotics are qualitatively distinct classes with respect to neurocognitive deficits and neuro-immune biomarkers: results of soft independent modeling of class analogy. <i>Metabolic Brain Disease</i> , <b>2021</b> , 36, 939-955	3.9	3
95	Inflammation and Nitro-Oxidative Stress in Current Suicidal Attempts and Current Suicidal Ideation: a Systematic Review and Meta-Analysis		3
94	The lipid paradox in neuroprogressive disorders: Causes and consequences. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 128, 35-57	9	3
93	Statins: Neurobiological underpinnings and mechanisms in mood disorders. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2021</b> , 128, 693-708	9	3
92	A proof-of-concept study of maternal immune activation mediated induction of Toll-like receptor (TLR) and inflammasome pathways leading to neuroprogressive changes and schizophrenia-like behaviours in offspring. <i>European Neuropsychopharmacology</i> , <b>2021</b> , 52, 48-61	1.2	3
91	From "Leaky Gut" to Impaired Glia-Neuron Communication in Depression. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1305, 129-155	3.6	3
90	Negative immunoregulatory effects of noradrenaline through alpha2-adrenoceptor activation. <i>Neuroendocrinology Letters</i> , <b>2000</b> , 21, 375-382	0.3	3
89	Lower omega-3 polyunsaturated fatty acids and lower docosahexaenoic acid in men with pedophilia. <i>Neuroendocrinology Letters</i> , <b>2006</b> , 27, 719-23	0.3	3

88	The tryptophan catabolite or kynurenine pathway in schizophrenia: meta-analysis reveals dissociations between central, serum, and plasma compartments.. <i>Molecular Psychiatry</i> , <b>2022</b> ,	15.1	3
87	A novel approach of substitution therapy with inhalation of essential oil for the reduction of inhalant craving: A double-blinded randomized controlled trial. <i>Psychiatry Research</i> , <b>2018</b> , 261, 61-67	9.9	2
86	No borna disease virus-specific RNA detected in blood of race horses and jockeys. <i>Acta Neuropsychiatrica</i> , <b>2006</b> , 18, 177-80	3.9	2
85	Suppressive effect of TRH and antidepressants on human interferon- $\gamma$ production in vitro. <i>Acta Neuropsychiatrica</i> , <b>2002</b> , 14, 226-30	3.9	2
84	Pedophilia: a biological disorder?. <i>Current Opinion in Psychiatry</i> , <b>2001</b> , 14, 571-573	4.9	2
83	Ultrasensitive assay for measuring the intact (1-39) ACTH molecule: an asset in depression research. <i>Neuropsychobiology</i> , <b>1994</b> , 29, 168-73	4	2
82	Low MMPI diagnostic performance for the DSM-III-R obsessive-compulsive personality disorder. <i>Psychological Reports</i> , <b>1991</b> , 69, 795-800	1.6	2
81	Intersections between Copper, $\beta$ Arrestin-1, Calcium, FBXW7, CD17, Insulin Resistance and Atherogenicity Mediate Depression and Anxiety Due to Type 2 Diabetes Mellitus: A Nomothetic Network Approach.. <i>Journal of Personalized Medicine</i> , <b>2022</b> , 12,	3.6	2
80	New Drug Targets to Prevent Death Due to Stroke: A Review Based on Results of Protein-Protein Interaction Network, Enrichment, and Annotation Analyses. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	2
79	Development of a Novel Staging Model for Affective Disorders Using Partial Least Squares Bootstrapping: Effects of Lipid-Associated Antioxidant Defenses and Neuro-Oxidative Stress		2
78	Lowered Plasma Steady-State Levels of Progesterone Combined with Declining Progesterone Levels During the Luteal Phase Predict Peri-Menstrual Syndrome and Its Major Subdomains		2
77	In Schizophrenia, PON1 Q192R Genotypes and/or Lowered Paraoxonase 1 (PON1) Enzymatic Activity are Significantly Associated with the Deficit Syndrome, Negative Symptoms, Formal Thought Disorders, Psychomotor Retardation, Excitation and Increased IgA Levels to		2
76	High Mobility Group Protein 1 and Dickkopf-Related Protein 1 in Schizophrenia and Treatment-Resistant Schizophrenia: Associations with Interleukin-6, Symptom Domains, and Neurocognitive Impairments		2
75	Construction of an Exposure-Pathway-Phenotype in Children with Depression due to Transfusion-Dependent Thalassemia: Results of (Un)supervised Machine Learning		2
74	A Nomothetic Network Model Disclosing the Comorbidity of Depression and Unstable Angina: Effects of Atherogenicity, Insulin Resistance, Immune Activation, Antioxidants, the Endogenous Opioid System, Trace Elements, and Macrominerals		2
73	Role of Opioidergic System in Regulating Depression Pathophysiology. <i>Current Pharmaceutical Design</i> , <b>2020</b> , 26, 5317-5334	3.3	2
72	Immunological Disturbances and Neuroimaging Findings in Major Depressive Disorder (MDD) and Alcohol Use Disorder (AUD) Comorbid Patients. <i>Current Topics in Medicinal Chemistry</i> , <b>2020</b> , 20, 759-769 <sup>3</sup>		2
71	Exploring the Impact of Flavonoids on Symptoms of Depression: A Systematic Review and Meta-Analysis. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	2

70	A new schizophrenia model: immune activation is associated with induction of the tryptophan catabolite pathway and increased eotaxin levels which together determine memory impairments and schizophrenia symptom dimensions		2
69	Efficacy, cost-utility and physiological effects of Acceptance and Commitment Therapy (ACT) and Behavioural Activation Treatment for Depression (BATD) in patients with chronic low back pain and depression: study protocol of a randomised, controlled trial including mobile-technology-based ecological momentary assessment (IMPACT study). <i>BMJ Open</i> , <b>2020</b> , <i>10</i> , e038107	3	2
68	Is Interleukin 17 (IL-17) Expression A Common Point in the Pathogenesis of Depression and Obesity?. <i>Journal of Clinical Medicine</i> , <b>2020</b> , <i>9</i> ,	5.1	2
67	Lower thiol, glutathione, and glutathione peroxidase levels in prostate cancer: a meta-analysis study. <i>Aging Male</i> , <b>2020</b> , <i>23</i> , 1533-1544	2.1	2
66	In (deficit) schizophrenia, a general cognitive decline partly mediates the effects of neuro-immune and neuro-oxidative toxicity on the symptomatome and quality of life. <i>CNS Spectrums</i> , <b>2021</b> , 1-10	1.8	2
65	Lowered serum cesium levels in schizophrenia: association with immune-inflammatory biomarkers and cognitive impairments. <i>Revista Brasileira De Psiquiatria</i> , <b>2021</b> , <i>43</i> , 131-137	2.6	2
64	A pathway phenotype linking metabolic, immune, oxidative, and opioid pathways with comorbid depression, atherosclerosis, and unstable angina. <i>CNS Spectrums</i> , <b>2021</b> , 1-15	1.8	2
63	The Collaborative Outcomes study on Health and Functioning during Infection Times in Adults (COH-FIT-Adults): Design and methods of an international online survey targeting physical and mental health effects of the COVID-19 pandemic.. <i>Journal of Affective Disorders</i> , <b>2021</b> , <i>299</i> , 393-393	6.6	2
62	Immune, Blood Cell, and Blood Gas Biomarkers of Delirium in Elderly Individuals with Hip Fracture Surgery. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>2021</b> , <i>50</i> , 161-169	2.6	2
61	The Protein-Protein Interaction Network of First Episode Psychosis and Schizophrenia Reveals Possible Trigger Factors and New Drug Targets among Intracellular Signal Transduction Pathways and Neurotoxicity Processes		2
60	Inflammation and nitro-oxidative stress in current suicidal attempts and current suicidal ideation: a systematic review and meta-analysis		2
59	Increased nitro-oxidative toxicity in association with metabolic syndrome, atherogenicity and insulin resistance in patients with affective disorders. <i>Journal of Affective Disorders</i> , <b>2021</b> , <i>294</i> , 410-419	6.6	2
58	Metabolic Syndrome, Alzheimer Disease, Schizophrenia, and Depression: Role for Leptin, Melatonin, Kynurenine Pathways, and Neuropeptides		235-248
57	Genetic polymorphisms by deletion in genes that encode for glutathione S-transferases are associated with nicotine dependence and tobacco use-related medical disorders. <i>Neuroendocrinology Letters</i> , <b>2015</b> , <i>36</i> , 529-38	0.3	2
56	Precision Nomothetic Medicine in Depression Research: A New Depression Model, and New Endophenotype Classes and Pathway Phenotypes, and A Digital Self.. <i>Journal of Personalized Medicine</i> , <b>2022</b> , <i>12</i> ,	3.6	2
55	Depressive symptoms due to stroke are strongly predicted by the volume and location of the cerebral infarction, white matter hyperintensities, hypertension, and age: A precision nomothetic psychiatry analysis.. <i>Journal of Affective Disorders</i> , <b>2022</b> ,	6.6	2
54	Oxidative stress and antioxidant defenses in mild cognitive impairment: A systematic review and meta-analysis.. <i>Ageing Research Reviews</i> , <b>2022</b> , <i>79</i> , 101639	12	2
53	Major Depression: An Immune-Inflammatory Disorder. <i>Current Topics in Neurotoxicity</i> , <b>2015</b> , 147-159		1

52	Trichotillomania-psychopathological correlates and associations with health-related quality of life in a large sample. <i>CNS Spectrums</i> , <b>2021</b> , 26, 282-289	1.8	1
51	Stimulatory effect of desipramine on lung metastases of adenocarcinoma MADB 106 in stress highly-sensitive and stress non-reactive rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 80, 279-290	5.5	1
50	Analysis of partial variance to control for day-to-day variability in functional immune tests in depression. <i>Neuropsychobiology</i> , <b>1997</b> , 36, 107-11	4	1
49	An augmented escape of androstenedione from suppression by dexamethasone in melancholia: relationships to intact ACTH and cortisol nonsuppression. <i>Journal of Affective Disorders</i> , <b>1995</b> , 34, 291-300	6.6	1
48	TRH test and suicide. <i>Biological Psychiatry</i> , <b>1993</b> , 34, 503-4	7.9	1
47	Relationship between MHPG and anxiety. <i>Psychiatry Research</i> , <b>1992</b> , 42, 295-6	9.9	1
46	Study protocol for a randomised, double-blinded, placebo-controlled phase III trial examining the add-on efficacy, cost-utility and neurobiological effects of low-dose naltrexone (LDN) in patients with fibromyalgia (INNOVA study).. <i>BMJ Open</i> , <b>2022</b> , 12, e055351	3	1
45	Immune and Clinical Correlates of Psychological Stress- Induced Production of Interferon-g and Interleukin-10 in Humans <b>1998</b> ,		1
44	Oxidative stress and antioxidant defenses in mild cognitive impairment: a systematic review and meta-analysis		1
43	Increased Serum Thromboxane A2 and Prostacyclin but Lower Complement C3 and C4 Levels in COVID-19: Associations with Chest CT Scan Anomalies and Lowered Peripheral Oxygen Saturation. <i>Covid</i> , <b>2021</b> , 1, 489-502		1
42	Intersections between pneumonia, lowered oxygen saturation percentage and immune activation mediate depression, anxiety, and chronic fatigue syndrome-like symptoms due to COVID-19: A nomothetic network approach. <i>Journal of Affective Disorders</i> , <b>2022</b> , 297, 233-245	6.6	1
41	Vitamin D deficiency is not associated with increased oxidative stress in chronic kidney disease pre-dialysis patients. <i>Jornal Brasileiro De Nefrologia: Orgao Oficial De Sociedades Brasileira E Latino-Americana De Nefrologia</i> , <b>2020</b> , 42, 420-428	1.5	1
40	Early Life Trauma Predicts Affective Phenomenology and the Effects are Partly Mediated by Staging Coupled with Lowered Lipid-Associated Antioxidant Defences		1
39	Paranoid schizophrenia and methamphetamine-induced paranoia are both characterized by a similar LINE-1 partial methylation profile, which is more pronounced in paranoid schizophrenia		1
38	Establishment and Characterization of an In Vitro Model of Fas-Mediated Hepatocyte Cell Death. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1250, 95-103	1.4	1
37	Serum agrin and talin are increased in major depression while agrin and creatine phosphokinase are associated with chronic fatigue and fibromyalgia symptoms in depression. <i>Metabolic Brain Disease</i> , <b>2020</b> , 35, 225-235	3.9	1
36	Hereditary haematologic disorders in Najaf province-Iraq. <i>Transfusion Clinique Et Biologique</i> , <b>2020</b> , 27, 213-217	1.9	1
35	Construction of an exposure-pathway-phenotype in children with depression due to transfusion-dependent thalassemia: Results of (un)supervised machine learning. <i>Journal of Affective Disorders</i> , <b>2021</b> , 282, 644-655	6.6	1



34	Increased angiotensin-converting enzyme 2, sRAGE and immune activation, but lowered calcium and magnesium in COVID-19: association with chest CT abnormalities and lowered peripheral oxygen saturation		1
33	The Reification of the Clinical Diagnosis of Myalgic Encephalomyelitis/ Chronic Fatigue Syndrome (ME/CFS) as an Immune and Oxidative Stress Disorder: Construction of a Data-driven Nomotheitic Network and Exposure of ME/CFS Subgroups. <i>Current Topics in Medicinal Chemistry</i> , <b>2021</b> , 21, 1488-1499	3	1
32	In COVID-19, NLRP3 inflammasome genetic variants are associated with critical disease and these effects are partly mediated by the sickness symptom complex: a nomotheitic network approach		1
31	BDNF in antipsychotic naive first episode psychosis: Effects of risperidone and the immune-inflammatory response system. <i>Journal of Psychiatric Research</i> , <b>2021</b> , 141, 206-213	5.2	1
30	Assessment of type 1 and type 3 deiodinase expression levels in depressive disorders. <i>Acta Neurobiologiae Experimentalis</i> , <b>2017</b> , 77, 225-235	1	1
29	Exploring interleukin-6, lipopolysaccharide binding protein and brain-derived neurotrophic factor following 12 weeks of adjunctive minocycline treatment for depression.. <i>Acta Neuropsychiatrica</i> , <b>2021</b> , 1-24	3.9	1
28	The prolonged P(300) latency in recently detoxified alcohol-dependent patients is related to activation of the inflammatory response system. <i>Neuropsychobiology</i> , <b>2001</b> , 43, 63-9	4	0
27	Leukocyte telomere length is not shortened in methamphetamine dependence or methamphetamine-induced psychosis but is increased following traumatic events.. <i>World Journal of Biological Psychiatry</i> , <b>2021</b> , 1-30	3.8	0
26	Intertwined associations between oxidative and nitrosative stress and endocannabinoid system pathways: Relevance for neuropsychiatric disorders. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2021</b> , 110481	5.5	0
25	Adverse childhood experiences combined with emotional and physical abuse by the partner predict antenatal depression. <i>Journal of Affective Disorders</i> , <b>2022</b> , 298, 194-201	6.6	0
24	Teaching hip surgery to orthopaedic residents: what's new?. <i>HIP International</i> , <b>2020</b> , 30, 42-47	1.7	0
23	Biomarker Validation of a New Case Definition of Menstrual Cycle-Associated Syndrome (MCAS) Opinion Paper. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2021</b> , 20, 105-111	2.6	0
22	Immune-Regulatory and Molecular Effects of Antidepressants on the Inflamed Human Keratinocyte HaCaT Cell Line. <i>Neurotoxicity Research</i> , <b>2021</b> , 39, 1211-1226	4.3	0
21	Increased zinc and albumin but lowered copper in children with transfusion-dependent thalassemia. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2021</b> , 65, 126713	4.1	0
20	Prolactin is Not Associated with Disability and Clinical Forms in Patients with Multiple Sclerosis. <i>NeuroMolecular Medicine</i> , <b>2020</b> , 22, 73-80	4.6	0
19	Wnt/βcatenin pathway proteins in end-stage renal disease. <i>Biomarkers in Medicine</i> , <b>2021</b> , 15, 1423-1434	2.3	0
18	A systematic review and meta-analysis of structural and functional brain alterations in individuals with genetic and clinical high-risk for psychosis and bipolar disorder.. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2022</b> , 110540	5.5	0
17	Inflammation and Nitro-oxidative Stress as Drivers of Endocannabinoid System Aberrations in Mood Disorders and Schizophrenia.. <i>Molecular Neurobiology</i> , <b>2022</b> , 1	6.2	0

16	TINY IN SIZE, BIG IN IMPACT: EXTRACELLULAR VESICLES AS MODULATORS OF MOOD, ANXIETY AND NEURODEVELOPMENTAL DISORDERS.. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2022</b> , 104582	9	0
15	A Novel Pathway Phenotype of Temporal Lobe Epilepsy and Comorbid Psychiatric Disorders: Results of Precision Nomothetic Medicine. <i>Antioxidants</i> , <b>2022</b> , 11, 803	7.1	0
14	ME/ CVS, de psychotherapeut en de (on)macht van het evidencebeest. <i>Tijdschrift Voor Psychotherapie</i> , <b>2011</b> , 37, 233-258		
13	Reply to a reader's comment. <i>American Journal of Cardiology</i> , <b>2004</b> , 94, 542	3	
12	Stress and Depression: The Inflammatory Hypothesis <b>2005</b> , 211-228		
11	TRH test in psychiatric research. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>1993</b> , 17, 679-80	5.5	
10	Effects of thyroid hormones on central nervous system in aging. <i>Psychoneuroendocrinology</i> , <b>1993</b> , 18, 451-5	5	
9	TRH test in depression and use of an ultrasensitive TSH assay. <i>Biological Psychiatry</i> , <b>1993</b> , 34, 122-3	7.9	
8	Serum postdexamethasone prolactin measures in depressive patients and control subjects. <i>Journal of Psychiatric Research</i> , <b>1991</b> , 25, 109-16	5.2	
7	Biological Markers of Fibromyalgia <b>1999</b> , 111-121		
6	Melatonin in the Etiology, Pathophysiology, and Management of Schizophrenia <b>2014</b> , 307-320		
5	Editorial (Thematic Issue : Gut Permeability and the Microbiome: Emerging Roles in CNS Function in Health and Disease). <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 6055-6057	3.3	
4	Addiction to, Neurobiology of, and Genetics of Inhalants <b>2016</b> , 958-963		
3	Role of the T-Cell Network in Psychiatric Disorders <b>2021</b> , 109-132		
2	The Biological Underpinnings of Mood Disorders Interact With Early Trauma, Sexual Abuse and Neuroticism: Implications for Psychiatric Classification and Treatment <b>2018</b> , 549-567		
1	Deficit schizophrenia and its features are associated with PON1 Q192R genotypes and lowered paraoxonase 1 (PON1) enzymatic activity: effects on bacterial translocation - CORRIGENDUM.. <i>CNS Spectrums</i> , <b>2022</b> , 1	1.8	