

Michael R. Irwin

List of Publications by Citations

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452
papers

32,408
citations

94
h-index

165
g-index

493
ext. papers

37,641
ext. citations

6.7
avg, IF

7.71
L-index

#	Paper	IF	Citations
452	A vaccine to prevent herpes zoster and postherpetic neuralgia in older adults. <i>New England Journal of Medicine</i> , 2005 , 352, 2271-84	59.2	1792
451	From stress to inflammation and major depressive disorder: a social signal transduction theory of depression. <i>Psychological Bulletin</i> , 2014 , 140, 774-815	19.1	1015
450	Screening for depression in the older adult: criterion validity of the 10-item Center for Epidemiological Studies Depression Scale (CES-D). <i>Archives of Internal Medicine</i> , 1999 , 159, 1701-4		784
449	Sleep Disturbance, Sleep Duration, and Inflammation: A Systematic Review and Meta-Analysis of Cohort Studies and Experimental Sleep Deprivation. <i>Biological Psychiatry</i> , 2016 , 80, 40-52	7.9	665
448	Sleep deprivation and activation of morning levels of cellular and genomic markers of inflammation. <i>Archives of Internal Medicine</i> , 2006 , 166, 1756-62		521
447	Depressive disorders and immunity: 20 years of progress and discovery. <i>Brain, Behavior, and Immunity</i> , 2007 , 21, 374-83	16.6	512
446	Why sleep is important for health: a psychoneuroimmunology perspective. <i>Annual Review of Psychology</i> , 2015 , 66, 143-72	26.1	507
445	Neuroendocrine-immune mechanisms of behavioral comorbidities in patients with cancer. <i>Journal of Clinical Oncology</i> , 2008 , 26, 971-82	2.2	440
444	Sleep and Human Aging. <i>Neuron</i> , 2017 , 94, 19-36	13.9	401
443	Comparative meta-analysis of behavioral interventions for insomnia and their efficacy in middle-aged adults and in older adults 55+ years of age. <i>Health Psychology</i> , 2006 , 25, 3-14	5	388
442	Inflammation-induced anhedonia: endotoxin reduces ventral striatum responses to reward. <i>Biological Psychiatry</i> , 2010 , 68, 748-54	7.9	370
441	Partial night sleep deprivation reduces natural killer and cellular immune responses in humans. <i>FASEB Journal</i> , 1996 , 10, 643-53	0.9	341
440	To assess, to control, to exclude: effects of biobehavioral factors on circulating inflammatory markers. <i>Brain, Behavior, and Immunity</i> , 2009 , 23, 887-97	16.6	331
439	Inflammation and behavioral symptoms after breast cancer treatment: do fatigue, depression, and sleep disturbance share a common underlying mechanism?. <i>Journal of Clinical Oncology</i> , 2011 , 29, 3517-22	2.2	330
438	Mindfulness-Based Stress Reduction training reduces loneliness and pro-inflammatory gene expression in older adults: a small randomized controlled trial. <i>Brain, Behavior, and Immunity</i> , 2012 , 26, 1095-101	16.6	316
437	Inflammatory biomarkers for persistent fatigue in breast cancer survivors. <i>Clinical Cancer Research</i> , 2006 , 12, 2759-66	12.9	312
436	Reduced cerebral grey matter observed in alcoholics using magnetic resonance imaging. <i>Alcoholism: Clinical and Experimental Research</i> , 1991 , 15, 418-27	3.7	282

435	Varicella-zoster virus-specific immune responses in elderly recipients of a herpes zoster vaccine. <i>Journal of Infectious Diseases</i> , 2008 , 197, 825-35	7	279
434	Comparison of cognitive behavioral and mindfulness meditation interventions on adaptation to rheumatoid arthritis for patients with and without history of recurrent depression. <i>Journal of Consulting and Clinical Psychology</i> , 2008 , 76, 408-421	6.5	278
433	Sleep loss activates cellular inflammatory signaling. <i>Biological Psychiatry</i> , 2008 , 64, 538-40	7.9	273
432	Effects of sleep and sleep loss on immunity and cytokines. <i>Brain, Behavior, and Immunity</i> , 2002 , 16, 503-126.6	26.6	261
431	Inflammation and social experience: an inflammatory challenge induces feelings of social disconnection in addition to depressed mood. <i>Brain, Behavior, and Immunity</i> , 2010 , 24, 558-63	16.6	259
430	Reduction of immune function in life stress and depression. <i>Biological Psychiatry</i> , 1990 , 27, 22-30	7.9	259
429	Effects of sleep and sleep deprivation on interleukin-6, growth hormone, cortisol, and melatonin levels in humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 3597-603	5.6	256
428	Validation of a 3-factor scoring model for the Pittsburgh sleep quality index in older adults. <i>Sleep</i> , 2006 , 29, 112-6	1.1	239
427	Craving love? Enduring grief activates brain's reward center. <i>NeuroImage</i> , 2008 , 42, 969-72	7.9	238
426	Mindfulness meditation and improvement in sleep quality and daytime impairment among older adults with sleep disturbances: a randomized clinical trial. <i>JAMA Internal Medicine</i> , 2015 , 175, 494-501	11.5	233
425	An fMRI study of cytokine-induced depressed mood and social pain: the role of sex differences. <i>NeuroImage</i> , 2009 , 47, 881-90	7.9	232
424	Alcoholism and affective disorder: clinical course of depressive symptoms. <i>American Journal of Psychiatry</i> , 1995 , 152, 45-52	11.9	228
423	The association between major depression and levels of soluble intercellular adhesion molecule 1, interleukin-6, and C-reactive protein in patients with recent acute coronary syndromes. <i>American Journal of Psychiatry</i> , 2004 , 161, 271-7	11.9	219
422	Inflammatory markers and sleep disturbance in major depression. <i>Psychosomatic Medicine</i> , 2005 , 67, 187-94	3.7	215
421	Effects of sleep and sleep deprivation on catecholamine and interleukin-2 levels in humans: clinical implications. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 1979-85	5.6	211
420	Yoga for persistent fatigue in breast cancer survivors: a randomized controlled trial. <i>Cancer</i> , 2012 , 118, 3766-75	6.4	207
419	Effects of Sleep and Sleep Deprivation on Interleukin-6, Growth Hormone, Cortisol, and Melatonin Levels in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 3597-3603	5.6	207
418	Nocturnal catecholamines and immune function in insomniacs, depressed patients, and control subjects. <i>Brain, Behavior, and Immunity</i> , 2003 , 17, 365-72	16.6	202

4 ¹⁷	Sleep disturbance and depression recurrence in community-dwelling older adults: a prospective study. <i>American Journal of Psychiatry</i> , 2008 , 165, 1543-50	11.9	196
4 ¹⁶	Varicella-zoster virus-specific immune responses to herpes zoster in elderly participants in a trial of a clinically effective zoster vaccine. <i>Journal of Infectious Diseases</i> , 2009 , 200, 1068-77	7	195
4 ¹⁵	Neuropeptide Y and natural killer cell activity: findings in depression and Alzheimer caregiver stress. <i>FASEB Journal</i> , 1991 , 5, 3100-7	0.9	184
4 ¹⁴	A pilot study of yogic meditation for family dementia caregivers with depressive symptoms: effects on mental health, cognition, and telomerase activity. <i>International Journal of Geriatric Psychiatry</i> , 2013 , 28, 57-65	3.9	181
4 ¹³	Impaired natural killer cell activity during bereavement. <i>Brain, Behavior, and Immunity</i> , 1987 , 1, 98-104	16.6	181
4 ¹²	Sleep Health: Reciprocal Regulation of Sleep and Innate Immunity. <i>Neuropsychopharmacology</i> , 2017 , 42, 129-155	8.7	177
4 ¹¹	Persistence of the efficacy of zoster vaccine in the shingles prevention study and the short-term persistence substudy. <i>Clinical Infectious Diseases</i> , 2012 , 55, 1320-8	11.6	175
4 ¹⁰	Chronic life stress alters sympathetic, neuroendocrine, and immune responsivity to an acute psychological stressor in humans. <i>Psychosomatic Medicine</i> , 1997 , 59, 447-57	3.7	175
4 ⁰⁹	Sex differences in depressive and socioemotional responses to an inflammatory challenge: implications for sex differences in depression. <i>Neuropsychopharmacology</i> , 2015 , 40, 1709-16	8.7	173
4 ⁰⁸	Yogic meditation reverses NF- κ B and IRF-related transcriptome dynamics in leukocytes of family dementia caregivers in a randomized controlled trial. <i>Psychoneuroendocrinology</i> , 2013 , 38, 348-55	5	171
4 ⁰⁷	Sleep loss activates cellular markers of inflammation: sex differences. <i>Brain, Behavior, and Immunity</i> , 2010 , 24, 54-7	16.6	170
4 ⁰⁶	Sleep loss exacerbates fatigue, depression, and pain in rheumatoid arthritis. <i>Sleep</i> , 2012 , 35, 537-43	1.1	169
4 ⁰⁵	CRF receptor regulation and sensitization of ACTH responses to acute ether stress during chronic intermittent immobilization stress. <i>Brain Research</i> , 1990 , 532, 34-40	3.7	168
4 ⁰⁴	Mind-body therapies and control of inflammatory biology: A descriptive review. <i>Brain, Behavior, and Immunity</i> , 2016 , 51, 1-11	16.6	166
4 ⁰³	Yoga reduces inflammatory signaling in fatigued breast cancer survivors: a randomized controlled trial. <i>Psychoneuroendocrinology</i> , 2014 , 43, 20-9	5	162
4 ⁰²	Inflammation selectively enhances amygdala activity to socially threatening images. <i>NeuroImage</i> , 2012 , 59, 3222-6	7.9	161
4 ⁰¹	In Sickness and in Health: The Co-Regulation of Inflammation and Social Behavior. <i>Neuropsychopharmacology</i> , 2017 , 42, 242-253	8.7	158
4 ⁰⁰	Effects of Sleep and Sleep Deprivation on Catecholamine And Interleukin-2 Levels in Humans: Clinical Implications. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 1979-1985	5.6	157

399	Sleep and inflammation: partners in sickness and in health. <i>Nature Reviews Immunology</i> , 2019 , 19, 702-715	15.5	152
398	The effects of mind-body therapies on the immune system: meta-analysis. <i>PLoS ONE</i> , 2014 , 9, e100903	3.7	152
397	Clinical importance of age at onset in type 1 and type 2 primary alcoholics. <i>Archives of General Psychiatry</i> , 1990 , 47, 320-4		150
396	Mindfulness meditation training effects on CD4+ T lymphocytes in HIV-1 infected adults: a small randomized controlled trial. <i>Brain, Behavior, and Immunity</i> , 2009 , 23, 184-8	16.6	149
395	Cognitive behavioral therapy vs. Tai Chi for late life insomnia and inflammatory risk: a randomized controlled comparative efficacy trial. <i>Sleep</i> , 2014 , 37, 1543-52	1.1	148
394	Sympathetic and immune interactions during dynamic exercise. Mediation via a beta 2-adrenergic-dependent mechanism. <i>Circulation</i> , 1992 , 86, 203-13	16.7	144
393	Human psychoneuroimmunology: 20 years of discovery. <i>Brain, Behavior, and Immunity</i> , 2008 , 22, 129-39	16.6	143
392	Complementary use of tai chi chih augments escitalopram treatment of geriatric depression: a randomized controlled trial. <i>American Journal of Geriatric Psychiatry</i> , 2011 , 19, 839-50	6.5	142
391	Major depressive disorder, alcoholism, and reduced natural killer cell cytotoxicity. Role of severity of depressive symptoms and alcohol consumption. <i>Archives of General Psychiatry</i> , 1990 , 47, 713-9		142
390	Social-evaluative threat and proinflammatory cytokine regulation: an experimental laboratory investigation. <i>Psychological Science</i> , 2009 , 20, 1237-44	7.9	141
389	Vaccination against Herpes Zoster and Postherpetic Neuralgia. <i>Journal of Infectious Diseases</i> , 2008 , 197 Suppl 2, S228-36	7	141
388	Greater amygdala activity and dorsomedial prefrontal-amygdala coupling are associated with enhanced inflammatory responses to stress. <i>Brain, Behavior, and Immunity</i> , 2015 , 43, 46-53	16.6	137
387	Cognitive complaints after breast cancer treatments: examining the relationship with neuropsychological test performance. <i>Journal of the National Cancer Institute</i> , 2013 , 105, 791-801	9.7	137
386	Improving sleep quality in older adults with moderate sleep complaints: A randomized controlled trial of Tai Chi Chih. <i>Sleep</i> , 2008 , 31, 1001-8	1.1	135
385	Plasma cortisol and natural killer cell activity during bereavement. <i>Biological Psychiatry</i> , 1988 , 24, 173-8	7.9	134
384	Longitudinal analysis of multiple indicators of health decline among spousal caregivers. <i>Annals of Behavioral Medicine</i> , 1997 , 19, 101-9	4.5	132
383	Fatigue and gene expression in human leukocytes: increased NF- κ B and decreased glucocorticoid signaling in breast cancer survivors with persistent fatigue. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 147-50	16.6	127
382	Interleukin-6 and tumor necrosis factor-alpha production after acute psychological stress, exercise, and infused isoproterenol: differential effects and pathways. <i>Psychosomatic Medicine</i> , 2000 , 62, 591-8	3.7	126

381	Inflammatory responses to psychological stress in fatigued breast cancer survivors: relationship to glucocorticoids. <i>Brain, Behavior, and Immunity</i> , 2007 , 21, 251-8	16.6	125
380	Central corticotropin-releasing factor mediates the suppressive effect of stress on natural killer cytotoxicity. <i>Endocrinology</i> , 1990 , 126, 2837-44	4.8	124
379	Somatic symptom disorder: an important change in DSM. <i>Journal of Psychosomatic Research</i> , 2013 , 75, 223-8	4.1	123
378	Does tumor necrosis factor-alpha (TNF- α) play a role in post-chemotherapy cerebral dysfunction?. <i>Brain, Behavior, and Immunity</i> , 2013 , 30 Suppl, S99-108	16.6	122
377	Implications of sleep disturbance and inflammation for Alzheimer's disease dementia. <i>Lancet Neurology</i> , 2019 , 18, 296-306	24.1	118
376	A preliminary study of daily interpersonal stress and C-reactive protein levels among adolescents from Latin American and European backgrounds. <i>Psychosomatic Medicine</i> , 2009 , 71, 329-33	3.7	117
375	Augmenting immune responses to varicella zoster virus in older adults: a randomized, controlled trial of Tai Chi. <i>Journal of the American Geriatrics Society</i> , 2007 , 55, 511-7	5.6	115
374	Lack of association between an RFLP near the D2 dopamine receptor gene and severe alcoholism. <i>Biological Psychiatry</i> , 1992 , 31, 285-90	7.9	114
373	Chronic stress and regulation of cellular markers of inflammation in rheumatoid arthritis: implications for fatigue. <i>Brain, Behavior, and Immunity</i> , 2008 , 22, 24-32	16.6	111
372	Psychoneuroimmunology of depression: clinical implications. <i>Brain, Behavior, and Immunity</i> , 2002 , 16, 1-16	16.6	111
371	Depression and reduced natural killer cytotoxicity: a longitudinal study of depressed patients and control subjects. <i>Psychological Medicine</i> , 1992 , 22, 1045-50	6.9	109
370	Cognitive behavioral therapy and tai chi reverse cellular and genomic markers of inflammation in late-life insomnia: a randomized controlled trial. <i>Biological Psychiatry</i> , 2015 , 78, 721-9	7.9	108
369	Immune correlates of depression. <i>Advances in Experimental Medicine and Biology</i> , 1999 , 461, 1-24	3.6	105
368	Cytokine gene polymorphisms and fatigue in breast cancer survivors: early findings. <i>Brain, Behavior, and Immunity</i> , 2008 , 22, 1197-200	16.6	104
367	Modulation of immune cell function by the autonomic nervous system 1997 , 74, 27-38		103
366	Depression, C-reactive protein and two-year major adverse cardiac events in men after acute coronary syndromes. <i>Biological Psychiatry</i> , 2007 , 62, 302-8	7.9	103
365	Recommendations for high-priority research on cancer-related fatigue in children and adults. <i>Journal of the National Cancer Institute</i> , 2013 , 105, 1432-40	9.7	102
364	Changes in anxiety among abstinent male alcoholics. <i>Journal of Studies on Alcohol and Drugs</i> , 1991 , 52, 55-61		98

363	EEG sleep studies in "pure" primary alcoholism during subacute withdrawal: relationships to normal controls, age, and other clinical variables. <i>Biological Psychiatry</i> , 1990 , 27, 477-88	7.9	96
362	Sleep disturbance, inflammation and depression risk in cancer survivors. <i>Brain, Behavior, and Immunity</i> , 2013 , 30 Suppl, S58-67	16.6	95
361	Central corticotropin-releasing factor suppresses natural killer cytotoxicity. <i>Brain, Behavior, and Immunity</i> , 1987 , 1, 81-7	16.6	95
360	When grief heats up: pro-inflammatory cytokines predict regional brain activation. <i>NeuroImage</i> , 2009 , 47, 891-6	7.9	93
359	Severity of psychosocial stress and outcome of alcoholism treatment.. <i>Journal of Abnormal Psychology</i> , 1990 , 99, 344-348	7	93
358	Stress-induced immune suppression: role of brain corticotropin releasing hormone and autonomic nervous system mechanisms. <i>Advances in Neuroimmunology</i> , 1994 , 4, 29-47		91
357	Cytokine genetic variations and fatigue among patients with breast cancer. <i>Journal of Clinical Oncology</i> , 2013 , 31, 1656-61	2.2	90
356	Safety of herpes zoster vaccine in the shingles prevention study: a randomized trial. <i>Annals of Internal Medicine</i> , 2010 , 152, 545-54	8	88
355	Increased REM sleep density at admission predicts relapse by three months in primary alcoholics with a lifetime diagnosis of secondary depression. <i>Biological Psychiatry</i> , 1998 , 43, 601-7	7.9	88
354	Tai Chi Chih Compared With Cognitive Behavioral Therapy for the Treatment of Insomnia in Survivors of Breast Cancer: A Randomized, Partially Blinded, Noninferiority Trial. <i>Journal of Clinical Oncology</i> , 2017 , 35, 2656-2665	2.2	87
353	The relationships among heart rate variability, inflammatory markers and depression in coronary heart disease patients. <i>Brain, Behavior, and Immunity</i> , 2009 , 23, 1140-7	16.6	86
352	Depression and insomnia in cancer: prevalence, risk factors, and effects on cancer outcomes. <i>Current Psychiatry Reports</i> , 2013 , 15, 404	9.1	84
351	Tai chi, cellular inflammation, and transcriptome dynamics in breast cancer survivors with insomnia: a randomized controlled trial. <i>Journal of the National Cancer Institute Monographs</i> , 2014 , 2014, 295-301	4.8	84
350	The association between pro-inflammatory cytokines, regional cerebral metabolism, and cognitive complaints following adjuvant chemotherapy for breast cancer. <i>Brain Imaging and Behavior</i> , 2013 , 7, 511-23	4.1	83
349	Cellular immunity to varicella-zoster virus in patients with major depression. <i>Journal of Infectious Diseases</i> , 1998 , 178 Suppl 1, S104-8	7	83
348	Low natural killer cytotoxicity in major depression. <i>Life Sciences</i> , 1987 , 41, 2127-33	6.8	83
347	Effects of a behavioral intervention, Tai Chi Chih, on varicella-zoster virus specific immunity and health functioning in older adults. <i>Psychosomatic Medicine</i> , 2003 , 65, 824-30	3.7	82
346	Disordered sleep, nocturnal cytokines, and immunity in alcoholics. <i>Psychosomatic Medicine</i> , 2003 , 65, 75-85	3.7	82

345	Immunity and depression: insomnia, retardation, and reduction of natural killer cell activity. <i>Journal of Behavioral Medicine</i> , 1994 , 17, 217-23	3.6	81
344	Effect of depression on diagnosis, treatment, and mortality of men with clinically localized prostate cancer. <i>Journal of Clinical Oncology</i> , 2014 , 32, 2471-8	2.2	80
343	Effect of a zoster vaccine on herpes zoster-related interference with functional status and health-related quality-of-life measures in older adults. <i>Journal of the American Geriatrics Society</i> , 2010 , 58, 1634-41	5.6	79
342	Health consequences of Alzheimer's caregiving transitions: effects of placement and bereavement. <i>Psychosomatic Medicine</i> , 2002 , 64, 477-86	3.7	79
341	F12. CHANGES IN BRAIN INFLAMMATION ARE RELATED TO SYMPTOMS AND AEROBIC EXERCISE IN FIRST EPISODE SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2019 , 45, S258-S258	1.3	78
340	Acute psychological stress: effects on chemotaxis and cellular adhesion molecule expression. <i>Psychosomatic Medicine</i> , 2003 , 65, 598-603	3.7	78
339	PT710. Vasopressin increases empathic responding among those high in primary psychopathy. <i>International Journal of Neuropsychopharmacology</i> , 2016 , 19, 58-59	5.8	78
338	Tai Chi Chih acutely decreases sympathetic nervous system activity in older adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006 , 61, 1177-80	6.4	77
337	Confirmatory factor analysis of the Pittsburgh Sleep Quality Index in rheumatoid arthritis patients. <i>Behavioral Sleep Medicine</i> , 2014 , 12, 1-12	4.2	76
336	Alzheimer caregiver stress: basal natural killer cell activity, pituitary-adrenal cortical function, and sympathetic tone. <i>Annals of Behavioral Medicine</i> , 1997 , 19, 83-90	4.5	76
335	Persistent sleep disturbance: a risk factor for recurrent depression in community-dwelling older adults. <i>Sleep</i> , 2013 , 36, 1685-91	1.1	73
334	Dissociation of inflammatory markers and natural killer cell activity in major depressive disorder. <i>Brain, Behavior, and Immunity</i> , 2006 , 20, 169-74	16.6	73
333	Sympathetic nervous system mediates central corticotropin-releasing factor induced suppression of natural killer cytotoxicity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 1990 , 255, 101-7	4.7	73
332	Improved sleep quality in older adults with insomnia reduces biomarkers of disease risk: pilot results from a randomized controlled comparative efficacy trial. <i>Psychoneuroendocrinology</i> , 2015 , 55, 184-92	5	71
331	Plasma catecholamine and lymphocyte beta 2-adrenergic receptor alterations in elderly Alzheimer caregivers under stress. <i>Psychosomatic Medicine</i> , 1997 , 59, 251-6	3.7	71
330	Nocturnal proinflammatory cytokine-associated sleep disturbances in abstinent African American alcoholics. <i>Brain, Behavior, and Immunity</i> , 2004 , 18, 349-60	16.6	71
329	Inflammatory Biomarkers, Comorbidity, and Neurocognition in Women With Newly Diagnosed Breast Cancer. <i>Journal of the National Cancer Institute</i> , 2015 , 107,	9.7	70
328	The contribution of pain and depression to self-reported sleep disturbance in patients with rheumatoid arthritis. <i>Pain</i> , 2012 , 153, 107-112	8	70

327	2'-deoxy-4'-azido nucleoside analogs are highly potent inhibitors of hepatitis C virus replication despite the lack of 2'-alpha-hydroxyl groups. <i>Journal of Biological Chemistry</i> , 2008 , 283, 2167-75	5.4	70
326	Bereavement, depression, and immune function. <i>Psychiatry Research</i> , 1994 , 52, 1-10	9.9	70
325	Exposure to an inflammatory challenge enhances neural sensitivity to negative and positive social feedback. <i>Brain, Behavior, and Immunity</i> , 2016 , 57, 21-29	16.6	70
324	Cognitive function after the initiation of adjuvant endocrine therapy in early-stage breast cancer: an observational cohort study. <i>Journal of Clinical Oncology</i> , 2014 , 32, 3559-67	2.2	69
323	Depression and immunity: inflammation and depressive symptoms in multiple sclerosis. <i>Immunology and Allergy Clinics of North America</i> , 2009 , 29, 309-20	3.3	69
322	Sex differences in monocyte expression of IL-6: role of autonomic mechanisms. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R145-51	3.2	69
321	Cocaine dependence and acute cocaine induce decreases of monocyte proinflammatory cytokine expression across the diurnal period: autonomic mechanisms. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 320, 507-15	4.7	68
320	Gender, obesity and repeated elevation of C-reactive protein: data from the CARDIA cohort. <i>PLoS ONE</i> , 2012 , 7, e36062	3.7	68
319	Epigenetic Aging and Immune Senescence in Women With Insomnia Symptoms: Findings From the Women's Health Initiative Study. <i>Biological Psychiatry</i> , 2017 , 81, 136-144	7.9	67
318	Abnormal nocturnal melatonin secretion and disordered sleep in abstinent alcoholics. <i>Biological Psychiatry</i> , 2003 , 54, 1437-43	7.9	67
317	Daily family assistance and inflammation among adolescents from Latin American and European backgrounds. <i>Brain, Behavior, and Immunity</i> , 2009 , 23, 803-9	16.6	66
316	Polysomnographic and Spectral Sleep EEG in Primary Alcoholics: An Interaction Between Alcohol Dependence and African-American Ethnicity. <i>Alcoholism: Clinical and Experimental Research</i> , 2000 , 24, 1376-1384	3.7	65
315	The role of the ventral striatum in inflammatory-induced approach toward support figures. <i>Brain, Behavior, and Immunity</i> , 2015 , 44, 247-52	16.6	64
314	Immune activation and depression in women with rheumatoid arthritis. <i>Journal of Rheumatology</i> , 2004 , 31, 457-63	4.1	64
313	Suppression of interleukin-6 to interleukin-10 ratio in chronic alcoholics: association with postoperative infections. <i>Intensive Care Medicine</i> , 2002 , 28, 285-92	14.5	63
312	Melatonin modulation of lymphocyte proliferation and Th1/Th2 cytokine expression. <i>Journal of Neuroimmunology</i> , 2001 , 117, 51-7	3.5	62
311	Sleep loss activates cellular inflammation and signal transducer and activator of transcription (STAT) family proteins in humans. <i>Brain, Behavior, and Immunity</i> , 2015 , 47, 86-92	16.6	61
310	The common and distinct neural bases of affect labeling and reappraisal in healthy adults. <i>Frontiers in Psychology</i> , 2014 , 5, 221	3.4	61

309	Depression history, stress, and pain in rheumatoid arthritis patients. <i>Journal of Behavioral Medicine</i> , 2007 , 30, 187-97	3.6	61
308	Sleep deprivation as a probe of homeostatic sleep regulation in primary alcoholics. <i>Biological Psychiatry</i> , 2002 , 51, 632-41	7.9	61
307	Mitigating cellular inflammation in older adults: a randomized controlled trial of Tai Chi Chih. <i>American Journal of Geriatric Psychiatry</i> , 2012 , 20, 764-72	6.5	59
306	Nocturnal levels of ghrelin and leptin and sleep in chronic insomnia. <i>Psychoneuroendocrinology</i> , 2009 , 34, 540-5	5	59
305	Polygraphic sleep measures differentiate alcoholics and stimulant abusers during short-term abstinence. <i>Biological Psychiatry</i> , 1995 , 38, 831-6	7.9	59
304	Inflammatory cytokines and nuclear factor-kappa B activation in adolescents with bipolar and major depressive disorders. <i>Psychiatry Research</i> , 2016 , 241, 315-22	9.9	59
303	Opioids and social bonding: naltrexone reduces feelings of social connection. <i>Social Cognitive and Affective Neuroscience</i> , 2016 , 11, 728-35	4	58
302	When grief makes you sick: bereavement induced systemic inflammation is a question of genotype. <i>Brain, Behavior, and Immunity</i> , 2012 , 26, 1066-71	16.6	58
301	Impaired natural killer cell activity among depressed patients. <i>Psychiatry Research</i> , 1987 , 20, 181-2	9.9	58
300	Varicella zoster virus-specific immune responses to a herpes zoster vaccine in elderly recipients with major depression and the impact of antidepressant medications. <i>Clinical Infectious Diseases</i> , 2013 , 56, 1085-93	11.6	56
299	Major depressive disorder and immunity to varicella-zoster virus in the elderly. <i>Brain, Behavior, and Immunity</i> , 2011 , 25, 759-66	16.6	56
298	Association between nocturnal vagal tone and sleep depth, sleep quality, and fatigue in alcohol dependence. <i>Psychosomatic Medicine</i> , 2006 , 68, 159-66	3.7	56
297	Immune and Neuroendocrine Changes During Bereavement. <i>Psychiatric Clinics of North America</i> , 1987 , 10, 449-465	3.1	56
296	Inflammation impairs social cognitive processing: A randomized controlled trial of endotoxin. <i>Brain, Behavior, and Immunity</i> , 2015 , 48, 132-8	16.6	55
295	Interleukin-6 and memory functions of encoding and recall in healthy and depressed elderly adults. <i>American Journal of Geriatric Psychiatry</i> , 2012 , 20, 753-63	6.5	55
294	Cancer-related masculine threat, emotional approach coping, and physical functioning following treatment for prostate cancer. <i>Health Psychology</i> , 2013 , 32, 66-74	5	55
293	Has adult sleep duration declined over the last 50+ years?. <i>Sleep Medicine Reviews</i> , 2016 , 28, 69-85	10.2	53
292	Characteristics of men with alcoholic hallucinosis. <i>Addiction</i> , 1994 , 89, 73-8	4.6	53

291	Polysomnographic characteristics in nonmalignant chronic pain populations: A review of controlled studies. <i>Sleep Medicine Reviews</i> , 2016 , 26, 74-86	10.2	52
290	The history of anxiety symptoms among 171 primary alcoholics. <i>Journal of Studies on Alcohol and Drugs</i> , 1990 , 51, 34-41		52
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288	Depression and immunity: inflammation and depressive symptoms in multiple sclerosis. <i>Neurologic Clinics</i> , 2006 , 24, 507-19	4.5	51
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260	Severity of psychosocial stress and outcome of alcoholism treatment. <i>Journal of Abnormal Psychology</i> , 1990 , 99, 344-8	7	42
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192	Depressive symptoms and immune transcriptional profiles in late adolescents. <i>Brain, Behavior, and Immunity</i> , 2019 , 80, 163-169	16.6	22
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188	Sleep quality and depressive symptoms after prostate cancer: The mechanistic role of cortisol. <i>Behavioral Neuroscience</i> , 2016 , 130, 351-6	2.1	22
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186	Reciprocal Relationship Between Sleep Macrostructure and Evening and Morning Cellular Inflammation in Rheumatoid Arthritis. <i>Psychosomatic Medicine</i> , 2017 , 79, 24-33	3.7	21
185	Tai chi meditation effects on nuclear factor- κ B signaling in lonely older adults: a randomized controlled trial. <i>Psychotherapy and Psychosomatics</i> , 2014 , 83, 315-7	9.4	21
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182	Parental support buffers the association of depressive symptoms with cortisol and C-reactive protein during adolescence. <i>Brain, Behavior, and Immunity</i> , 2016 , 57, 134-143	16.6	21
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179	Approach and avoidance coping: diurnal cortisol rhythm in prostate cancer survivors. <i>Psychoneuroendocrinology</i> , 2014 , 49, 182-6	5	20
178	Subjective feelings and changes in body sway following diazepam in sons of alcoholics and control subjects. <i>Journal of Studies on Alcohol and Drugs</i> , 1991 , 52, 601-8		20
177	Neuropsychologic deficits and the risk for alcoholism. <i>Neuropsychopharmacology</i> , 1987 , 1, 45-53	8.7	19
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175	Plasma levels of tetrahydrobiopterin and folate in major depression. <i>Biological Psychiatry</i> , 1989 , 26, 156-62	6.2	18
174	Depression and immune function. <i>Stress and Health</i> , 1988 , 4, 95-103		18
173	Testing a biobehavioral model of fatigue before adjuvant therapy in women with breast cancer. <i>Cancer</i> , 2019 , 125, 633-641	6.4	18
172	Moderators for depressed mood and systemic and transcriptional inflammatory responses: a randomized controlled trial of endotoxin. <i>Neuropsychopharmacology</i> , 2019 , 44, 635-641	8.7	18
171	Reduced immunity to measles in adults with major depressive disorder. <i>Psychological Medicine</i> , 2019 , 49, 243-249	6.9	18
170	Transcriptomic predictors of inflammation-induced depressed mood. <i>Neuropsychopharmacology</i> , 2019 , 44, 923-929	8.7	17
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162	Emotional acceptance, inflammation, and sickness symptoms across the first two years following breast cancer diagnosis. <i>Brain, Behavior, and Immunity</i> , 2016 , 56, 165-74	16.6	15
161	Stress, Psychological Resources, and HPA and Inflammatory Reactivity During Late Adolescence. <i>Development and Psychopathology</i> , 2019 , 31, 699-712	4.3	15
160	Kynurenine metabolism and inflammation-induced depressed mood: A human experimental study. <i>Psychoneuroendocrinology</i> , 2019 , 109, 104371	5	15
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157	Depression and risk of cancer progression: an elusive link. <i>Journal of Clinical Oncology</i> , 2007 , 25, 2343-4	2.2	15
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151	Perioperative Pharmacological Sleep-Promotion and Pain Control: A Systematic Review. <i>Pain Practice</i> , 2019 , 19, 552-569	3	14
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146	Central CRH suppresses specific antibody responses: effects of beta-adrenoceptor antagonism and adrenalectomy. <i>Brain, Behavior, and Immunity</i> , 2001 , 15, 65-77	16.6	13
145	Biochemical genetics of Chinese hamster cell mutants with deviant purine metabolism: isolation and characterization of a mutant deficient in the activity of phosphoribosylaminoimidazole synthetase. <i>Somatic Cell Genetics</i> , 1979 , 5, 203-16		13
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140	Pro-inflammatory cytokines and depression in a familial cancer registry. <i>Psycho-Oncology</i> , 2007 , 16, 499-501	5.0	12
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138	Growth hormone response to intravenous diazepam and placebo in 82 healthy men. <i>Biological Psychiatry</i> , 1990 , 27, 702-10	7.9	12
137	Sleep and mood in older adults: coinciding changes in insomnia and depression symptoms. <i>International Psychogeriatrics</i> , 2018 , 30, 431-435	3.4	12
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135	The IL-6 antagonist tocilizumab is associated with worse depression and related symptoms in the medically ill. <i>Translational Psychiatry</i> , 2021 , 11, 58	8.6	12
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133	Inflammation and Risk of Depression in HIV: Prospective Findings From the Multicenter AIDS Cohort Study. <i>American Journal of Epidemiology</i> , 2019 , 188, 1994-2003	3.8	11
132	Chronic moderate sleep restriction in older long sleepers and older average duration sleepers: a randomized controlled trial. <i>Contemporary Clinical Trials</i> , 2013 , 36, 175-86	2.3	11
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130	Spurious tumor necrosis factor-alpha and interleukin-6 production by human monocytes from blood collected in endotoxin-contaminated vacutainer blood collection tubes. <i>Clinical Chemistry</i> , 2004 , 50, 2215-6	5.5	11

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128	TSH response to TRH and family history of alcoholism. <i>Biological Psychiatry</i> , 1990 , 27, 905-10	7.9	11
127	Feeling needed: Effects of a randomized generativity intervention on well-being and inflammation in older women. <i>Brain, Behavior, and Immunity</i> , 2020 , 84, 97-105	16.6	11
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