

# Anna L Marsland

## List of Publications by Year in descending order

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Version: 2024-02-01

127  
papers

7,330  
citations

44069

48  
h-index

62596

80  
g-index

131  
all docs

131  
docs citations

131  
times ranked

10285  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of acute psychological stress on circulating and stimulated inflammatory markers: A systematic review and meta-analysis. <i>Brain, Behavior, and Immunity</i> , 2017, 64, 208-219.	4.1	447
2	Psychosocial adjustment of siblings of children with cancer: a systematic review. <i>Psycho-Oncology</i> , 2010, 19, 789-805.	2.3	320
3	Interleukin-6 Covaries Inversely with Hippocampal Grey Matter Volume in Middle-Aged Adults. <i>Biological Psychiatry</i> , 2008, 64, 484-490.	1.3	290
4	Family Adjustment to Childhood Cancer: A Systematic Review. <i>Clinical Child and Family Psychology Review</i> , 2011, 14, 57-88.	4.5	283
5	Brain morphology links systemic inflammation to cognitive function in midlife adults. <i>Brain, Behavior, and Immunity</i> , 2015, 48, 195-204.	4.1	225
6	Alterations in Resting-State Functional Connectivity Link Mindfulness Meditation With Reduced Interleukin-6: A Randomized Controlled Trial. <i>Biological Psychiatry</i> , 2016, 80, 53-61.	1.3	201
7	How Disturbed Sleep May Be a Risk Factor for Adverse Pregnancy Outcomes. <i>Obstetrical and Gynecological Survey</i> , 2009, 64, 273-280.	0.4	158
8	Interleukin-6 Covaries Inversely With Cognitive Performance Among Middle-Aged Community Volunteers. <i>Psychosomatic Medicine</i> , 2006, 68, 895-903.	2.0	153
9	Sleep and Antibody Response to Hepatitis B Vaccination. <i>Sleep</i> , 2012, 35, 1063-9.	1.1	148
10	Associations between stress, trait negative affect, acute immune reactivity, and antibody response to hepatitis B injection in healthy young adults.. <i>Health Psychology</i> , 2001, 20, 4-11.	1.6	130
11	Negative emotions and acute physiological responses to stress. <i>Annals of Behavioral Medicine</i> , 1999, 21, 216-222.	2.9	128
12	Psychosocial functioning and risk factors among siblings of children with cancer: An updated systematic review. <i>Psycho-Oncology</i> , 2018, 27, 1467-1479.	2.3	127
13	Stress, immune reactivity and susceptibility to infectious disease. <i>Physiology and Behavior</i> , 2002, 77, 711-716.	2.1	126
14	Mindfulness meditation training alters stress-related amygdala resting state functional connectivity: a randomized controlled trial. <i>Social Cognitive and Affective Neuroscience</i> , 2015, 10, 1758-1768.	3.0	123
15	Antagonistic characteristics are positively associated with inflammatory markers independently of trait negative emotionality. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 753-761.	4.1	122
16	Effects of Physical Activity on Poststroke Cognitive Function. <i>Stroke</i> , 2017, 48, 3093-3100.	2.0	118
17	The Pathogenicity of Behavior and Its Neuroendocrine Mediation. <i>Psychosomatic Medicine</i> , 1995, 57, 275-283.	2.0	117
18	Mindfulness Meditation Training and Executive Control Network Resting State Functional Connectivity: A Randomized Controlled Trial. <i>Psychosomatic Medicine</i> , 2017, 79, 674-683.	2.0	113

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19	Functional neuroanatomy of peripheral inflammatory physiology: A meta-analysis of human neuroimaging studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 94, 76-92.	6.1	113
20	Negative affective responses to a speech task predict changes in interleukin (IL)-6. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 232-238.	4.1	112
21	Mediation of the Acute Stress Response by the Skeleton. <i>Cell Metabolism</i> , 2019, 30, 890-902.e8.	16.2	110
22	Inflammatory Pathways Link Socioeconomic Inequalities to White Matter Architecture. <i>Cerebral Cortex</i> , 2013, 23, 2058-2071.	2.9	101
23	Trait positive affect and antibody response to hepatitis B vaccination. <i>Brain, Behavior, and Immunity</i> , 2006, 20, 261-269.	4.1	100
24	Systemic inflammation and the metabolic syndrome among middle-aged community volunteers. <i>Metabolism: Clinical and Experimental</i> , 2010, 59, 1801-1808.	3.4	100
25	Salivary testosterone and a trinucleotide (CAG) length polymorphism in the androgen receptor gene predict amygdala reactivity in men. <i>Psychoneuroendocrinology</i> , 2010, 35, 94-104.	2.7	100
26	Stress and Bronchodilator Response in Children with Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 47-56.	5.6	99
27	Blunted HPA axis activity prior to suicide attempt and increased inflammation in attempters. <i>Psychoneuroendocrinology</i> , 2017, 77, 284-294.	2.7	97
28	Stimulated Production of Proinflammatory Cytokines Covaries Inversely With Heart Rate Variability. <i>Psychosomatic Medicine</i> , 2007, 69, 709-716.	2.0	96
29	An Inflammatory Pathway Links Atherosclerotic Cardiovascular Disease Risk to Neural Activity Evoked by the Cognitive Regulation of Emotion. <i>Biological Psychiatry</i> , 2014, 75, 738-745.	1.3	95
30	Preliminary Findings Regarding Proinflammatory Markers and Brain-Derived Neurotrophic Factor Among Adolescents with Bipolar Spectrum Disorders. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2011, 21, 479-484.	1.3	88
31	Systemic inflammation and resting state connectivity of the default mode network. <i>Brain, Behavior, and Immunity</i> , 2017, 62, 162-170.	4.1	87
32	Acute psychological stress increases serum circulating cell-free mitochondrial DNA. <i>Psychoneuroendocrinology</i> , 2019, 106, 268-276.	2.7	87
33	Normative variation in self-reported sleep quality and sleep debt is associated with stimulated pro-inflammatory cytokine production. <i>Biological Psychology</i> , 2009, 82, 12-17.	2.2	86
34	Cardiovascular Reactivity to Acute Psychological Stress Following Sleep Deprivation. <i>Psychosomatic Medicine</i> , 2011, 73, 679-682.	2.0	84
35	Community Socioeconomic Status is Associated With Circulating Interleukin-6 and C-Reactive Protein. <i>Psychosomatic Medicine</i> , 2008, 70, 646-652.	2.0	80
36	Immune System Differences in Men with Hypo- or Hypercholesterolemia. <i>Clinical Immunology and Immunopathology</i> , 1997, 84, 145-149.	2.0	76

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37	Early childhood socioeconomic status is associated with circulating interleukin-6 among mid-life adults. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 1468-1474.	4.1	74
38	Competing physiological pathways link individual differences in weight and abdominal adiposity to white matter microstructure. <i>NeuroImage</i> , 2013, 79, 129-137.	4.2	73
39	Gender differences in stimulated cytokine production following acute psychological stress. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 622-628.	4.1	71
40	Perceived discrimination and cardiovascular health disparities: a multisystem review and health neuroscience perspective. <i>Annals of the New York Academy of Sciences</i> , 2018, 1428, 170-207.	3.8	68
41	Stability of Individual Differences in Cellular Immune Responses to Acute Psychological Stress. <i>Psychosomatic Medicine</i> , 1995, 57, 295-298.	2.0	66
42	Creating a Tenuous Balance. <i>Journal of Pediatric Oncology Nursing</i> , 2015, 32, 21-31.	1.5	66
43	Childhood socioeconomic status, telomere length, and susceptibility to upper respiratory infection. <i>Brain, Behavior, and Immunity</i> , 2013, 34, 31-38.	4.1	61
44	Depressive symptoms and production of proinflammatory cytokines by peripheral blood mononuclear cells stimulated in vitro. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 229-237.	4.1	59
45	Current understanding of the bi-directional relationship of major depression with inflammation. <i>Biology of Mood &amp; Anxiety Disorders</i> , 2012, 2, 4.	4.7	59
46	Factor Structure Underlying Components of Allostatic Load. <i>PLoS ONE</i> , 2012, 7, e47246.	2.5	59
47	Polymorphisms in the CRP gene moderate an association between depressive symptoms and circulating levels of C-reactive protein. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 160-167.	4.1	53
48	Positive affective style covaries with stimulated IL-6 and IL-10 production in a middle-aged community sample. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 1033-1037.	4.1	52
49	Community Socioeconomic Disadvantage in Midlife Relates to Cortical Morphology via Neuroendocrine and Cardiometabolic Pathways. <i>Cerebral Cortex</i> , 2017, 27, bhv233.	2.9	52
50	Cumulative family risk predicts sibling adjustment to childhood cancer. <i>Cancer</i> , 2013, 119, 2503-2510.	4.1	50
51	Stimulated production of interleukin-8 covaries with psychosocial risk factors for inflammatory disease among middle-aged community volunteers. <i>Brain, Behavior, and Immunity</i> , 2007, 21, 218-228.	4.1	47
52	Bodyâ€“Brain Connections: The Effects of Obesity and Behavioral Interventions on Neurocognitive Aging. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 115.	3.4	45
53	Parental education is related to C-reactive protein among female middle aged community volunteers. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 677-683.	4.1	44
54	Maintaining brain health by monitoring inflammatory processes: a mechanism to promote successful aging. , 2012, 3, 16-33.		44

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55	Depression, Asthma, and Bronchodilator Response in a Nationwide Study of US Adults. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2016, 4, 68-73.e1.	3.8	43
56	Neural Mechanisms Linking Emotion with Cardiovascular Disease. <i>Current Cardiology Reports</i> , 2018, 20, 128.	2.9	43
57	A Pilot Trial of a Stress Management Intervention for Primary Caregivers of Children Newly Diagnosed With Cancer: Preliminary Evidence That Perceived Social Support Moderates the Psychosocial Benefit of Intervention. <i>Journal of Pediatric Psychology</i> , 2013, 38, 449-461.	2.1	42
58	Positive Affect and Immune Function. , 2007, , 761-779.		41
59	Exposure to gun violence and asthma among children in Puerto Rico. <i>Respiratory Medicine</i> , 2015, 109, 975-981.	2.9	40
60	Peripheral Inflammation and Cognitive Aging. <i>Modern Problems of Pharmacopsychiatry</i> , 2013, 28, 175-187.	2.5	38
61	Mindfulness training and systemic low-grade inflammation in stressed community adults: Evidence from two randomized controlled trials. <i>PLoS ONE</i> , 2019, 14, e0219120.	2.5	36
62	Retrospectively reported childhood physical abuse, systemic inflammation, and resting corticolimbic connectivity in midlife adults. <i>Brain, Behavior, and Immunity</i> , 2019, 82, 203-213.	4.1	34
63	The role of substance use, smoking, and inflammation in risk for suicidal behavior. <i>Journal of Affective Disorders</i> , 2019, 243, 33-41.	4.1	34
64	Effects of Lovastatin on the Immune System. <i>American Journal of Cardiology</i> , 1997, 80, 1391-1394.	1.6	33
65	Childhood environments and cytomegalovirus serostatus and reactivation in adults. <i>Brain, Behavior, and Immunity</i> , 2014, 40, 174-181.	4.1	33
66	Trait positive and negative emotionality differentially associate with diurnal cortisol activity. <i>Psychoneuroendocrinology</i> , 2016, 68, 177-185.	2.7	32
67	Symptom Clusters in Women With Breast Cancer During the First 18 Months of Adjuvant Therapy. <i>Journal of Pain and Symptom Management</i> , 2020, 59, 233-241.	1.2	29
68	Meta-analysis of age and actigraphy-assessed sleep characteristics across the lifespan. <i>Sleep</i> , 2021, 44, .	1.1	29
69	Preliminary Evidence for the Feasibility of a Stress Management Intervention for 7- to 12-Year-Olds with Asthma. <i>Journal of Asthma</i> , 2011, 48, 162-170.	1.7	28
70	Daily social interactions, close relationships, and systemic inflammation in two samples: Healthy middle-aged and older adults. <i>Brain, Behavior, and Immunity</i> , 2016, 58, 152-164.	4.1	28
71	Longitudinal relationships of cytokines, depression and anhedonia in depressed adolescents. <i>Brain, Behavior, and Immunity</i> , 2021, 91, 74-80.	4.1	28
72	Long-Term Ambient Air Pollution Exposures and Circulating and Stimulated Inflammatory Mediators in a Cohort of Midlife Adults. <i>Environmental Health Perspectives</i> , 2021, 129, 57007.	6.0	27

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73	Investigating Gains in Neurocognition in an Intervention Trial of Exercise (IGNITE): Protocol. <i>Contemporary Clinical Trials</i> , 2019, 85, 105832.	1.8	26
74	Acute hemoconcentration during psychological stress: Assessment of hemorheologic factors. <i>International Journal of Behavioral Medicine</i> , 1998, 5, 204-212.	1.7	25
75	Sex differences in the association between stressor-evoked interleukin-6 reactivity and C-reactive protein. <i>Brain, Behavior, and Immunity</i> , 2016, 58, 173-180.	4.1	25
76	Repressive Coping and Blood Measures of Disease Risk: Lipids and Endocrine and Immunological Responses to a Laboratory Stressor <sup>1</sup> . <i>Journal of Applied Social Psychology</i> , 2000, 30, 1619-1638.	2.0	24
77	Neuro-oncology family caregivers are at risk for systemic inflammation. <i>Journal of Neuro-Oncology</i> , 2016, 128, 109-118.	2.9	24
78	Brief report: A Pilot Study of a Web-based Resource for Families of Children with Cancer. <i>Journal of Pediatric Psychology</i> , 2009, 34, 523-529.	2.1	23
79	Childhood Socioeconomic Status and the Occurrence of Recent Negative Life Events as Predictors of Circulating and Stimulated Levels of Interleukin-6. <i>Psychosomatic Medicine</i> , 2016, 78, 91-101.	2.0	23
80	Mitochondrial respiratory capacity modulates LPS-induced inflammatory signatures in human blood. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2020, 5, 100080.	2.5	23
81	Personality Correlates of Midlife Cardiometabolic Risk: The Explanatory Role of Higher-Order Factors of the Five-Factor Model. <i>Journal of Personality</i> , 2016, 84, 765-776.	3.2	22
82	Early life socioeconomic status associates with interleukin-6 responses to acute laboratory stress in adulthood. <i>Physiology and Behavior</i> , 2018, 188, 212-220.	2.1	22
83	Development of glucocorticoid resistance over one year among mothers of children newly diagnosed with cancer. <i>Brain, Behavior, and Immunity</i> , 2018, 69, 364-373.	4.1	22
84	Exposure to violence, chronic stress, nasal DNA methylation, and atopic asthma in children. <i>Pediatric Pulmonology</i> , 2021, 56, 1896-1905.	2.0	22
85	Aerobic exercise improves episodic memory in late adulthood: a systematic review and meta-analysis. <i>Communications Medicine</i> , 2022, 2, .	4.2	19
86	The Role of Contextual Threat in Predicting Self-Reported Distress among Siblings of Children with Cancer. <i>Journal of Clinical Psychology in Medical Settings</i> , 2013, 20, 199-208.	1.4	18
87	Protocol for Exercise Program in Cancer and Cognition (EPICC): A randomized controlled trial of the effects of aerobic exercise on cognitive function in postmenopausal women with breast cancer receiving aromatase inhibitor therapy. <i>Contemporary Clinical Trials</i> , 2018, 67, 109-115.	1.8	17
88	Does well-being associate with stress physiology? A systematic review and meta-analysis.. <i>Health Psychology</i> , 2020, 39, 879-890.	1.6	17
89	β <sub>2</sub> -Adrenergic receptor density and cardiovascular response to mental stress. <i>Physiology and Behavior</i> , 1995, 57, 1163-1167.	2.1	16
90	Genes Involved in the HPA Axis and the Symptom Cluster of Fatigue, Depressive Symptoms, and Anxiety in Women With Breast Cancer During 18 Months of Adjuvant Therapy. <i>Biological Research for Nursing</i> , 2020, 22, 277-286.	1.9	16

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91	Is daytime napping associated with inflammation in adolescents?. <i>Health Psychology</i> , 2016, 35, 1298-1306.	1.6	14
92	Associations of immunometabolic risk factors with symptoms of depression and anxiety: The role of cardiac vagal activity. <i>Brain, Behavior, and Immunity</i> , 2018, 73, 493-503.	4.1	13
93	Glucocorticoid resistance and $\beta$ 2-adrenergic receptor signaling pathways promote peripheral pro-inflammatory conditions associated with chronic psychological stress: A systematic review across species. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 128, 117-135.	6.1	13
94	Stability of individual differences in cellular immune responses to two different laboratory tasks. <i>Psychophysiology</i> , 2002, 39, 865-868.	2.4	12
95	Current understanding of the bi-directional relationship of major depression with inflammation. <i>Biology of Mood &amp; Anxiety Disorders</i> , 2012, 2, 4.	4.7	12
96	A Urinary Marker of Oxidative Stress Covaries Positively With Hostility Among Midlife Community Volunteers. <i>Psychosomatic Medicine</i> , 2010, 72, 273-280.	2.0	11
97	Impact of chemotherapy on symptoms and symptom clusters in postmenopausal women with breast cancer prior to aromatase inhibitor therapy. <i>Journal of Clinical Nursing</i> , 2019, 28, 4560-4571.	3.0	10
98	Predictors of ccf-mtDNA reactivity to acute psychological stress identified using machine learning classifiers: A proof-of-concept. <i>Psychoneuroendocrinology</i> , 2019, 107, 82-92.	2.7	10
99	Mindfulness-Based Stress Reduction Buffers Glucocorticoid Resistance Among Older Adults: A Randomized Controlled Trial. <i>Psychosomatic Medicine</i> , 2021, 83, 641-649.	2.0	10
100	A randomized pilot trial of a school-based psychoeducational intervention for children with asthma. <i>Clinical and Experimental Allergy</i> , 2019, 49, 591-602.	2.9	9
101	A chicken and egg scenario in psychoneuroimmunology: Bidirectional mechanisms linking cytokines and depression. <i>Journal of Affective Disorders Reports</i> , 2021, 6, 100177.	1.7	9
102	Mindfulness-based stress reduction increases stimulated IL-6 production among lonely older adults: A randomized controlled trial. <i>Brain, Behavior, and Immunity</i> , 2022, 104, 6-15.	4.1	9
103	Goal adjustment ability predicts magnitude of emotional and physiological responses to an unsolvable anagram task. <i>Personality and Individual Differences</i> , 2015, 86, 417-421.	2.9	8
104	Signaling networks in inflammatory pathways and risk for suicidal behavior. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2020, 7, 100122.	2.5	8
105	Increased burden of cardiovascular risk among youth suicide attempters. <i>Psychological Medicine</i> , 2022, 52, 1901-1909.	4.5	8
106	The effects of SmartCare <sup>®</sup> on neuro-oncology family caregivers'™ distress: a randomized controlled trial. <i>Supportive Care in Cancer</i> , 2022, 30, 2059-2068.	2.2	8
107	Exploring Psychophysiological Markers of Vulnerability to Somatic Illnesses in Females. <i>Journal of Pediatric Psychology</i> , 2009, 34, 1030-1039.	2.1	7
108	Major lessons learned from a nationally-based community-academic partnership: Addressing sibling adjustment to childhood cancer.. <i>Families, Systems and Health</i> , 2015, 33, 61-67.	0.6	7

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109	Physical activity, cardiorespiratory fitness, and cognitive function in postmenopausal women with breast cancer. <i>Supportive Care in Cancer</i> , 2021, 29, 3743-3752.	2.2	7
110	Circulating Interleukin-6 concentration covaries inversely with self-reported sleep duration as a function of polymorphic variation in the glucocorticoid receptor. <i>Brain, Behavior, and Immunity</i> , 2019, 78, 21-30.	4.1	6
111	Adversity and Inflammation Among Adolescents. <i>Psychosomatic Medicine</i> , 2013, 75, 438-441.	2.0	5
112	Efficacy of a Stress Management Intervention for Mothers of Children with Cancer. <i>Journal of Pediatric Psychology</i> , 2020, 45, 812-824.	2.1	5
113	Stress-Related Inflammation and Social Withdrawal in Mothers of a Child With Cancer: A 1-Year Follow-Up Study. <i>Psychosomatic Medicine</i> , 2022, 84, 141-150.	2.0	5
114	An online Trier social stress paradigm to evoke affective and cardiovascular responses. <i>Psychophysiology</i> , 2022, 59, e14067.	2.4	5
115	Leukocyte cytokine responses in adult patients with mitochondrial DNA defects. <i>Journal of Molecular Medicine</i> , 2022, 100, 963-971.	3.9	5
116	Exposure to violence, chronic stress, asthma, and bronchodilator response in Puerto Rican children. <i>Annals of Allergy, Asthma and Immunology</i> , 2020, 124, 626-627.e1.	1.0	4
117	Linking childhood trauma and cytokine levels in depressed adolescents. <i>Psychoneuroendocrinology</i> , 2021, 133, 105398.	2.7	4
118	suPAR: A newer biomarker of systemic chronic inflammation. <i>Brain, Behavior, and Immunity</i> , 2021, 98, 263-264.	4.1	4
119	Impulsivity and midlife cardiometabolic risk: The role of maladaptive health behaviors. <i>Health Psychology</i> , 2020, 39, 642-654.	1.6	4
120	The cost of childhood disadvantage for future generations. <i>Brain, Behavior, and Immunity</i> , 2017, 65, 9-10.	4.1	3
121	Opioid use as a proximal risk factor for suicidal behavior in young adults. <i>Suicide and Life-Threatening Behavior</i> , 2022, 52, 199-213.	1.9	2
122	61. Developing Sensitive Measurements of Mitochondrial Responses to Acute and Chronic Stress. <i>Biological Psychiatry</i> , 2018, 83, S25.	1.3	1
123	Early Cortisol and Inflammatory Responses to Parental Cancer and Their Impact on Functional Impairment in Youth. <i>Journal of Clinical Medicine</i> , 2021, 10, 576.	2.4	1
124	Systemic Inflammation Contributes to the Association Between Childhood Socioeconomic Disadvantage and Midlife Cardiometabolic Risk. <i>Annals of Behavioral Medicine</i> , 2023, 57, 26-37.	2.9	1
125	The association of physical illness and low-grade inflammatory markers with depressive symptoms in a large NHANES community sample: Dissecting mediating and moderating effects. <i>Brain, Behavior, and Immunity</i> , 2022, , .	4.1	1
126	The Personality Meta-Trait of Stability and Carotid Artery Atherosclerosis. <i>Journal of Personality</i> , 2022, , .	3.2	0



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127	P297. Moderation Effects of Physical Illness on Depression-Inflammatory Marker Relationships. <i>Biological Psychiatry</i> , 2022, 91, S207-S208.	1.3	0