

# Steve W Cole

## List of Publications by Year in descending order

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Version: 2024-02-01

109  
papers

4,808  
citations

101543

36  
h-index

106344

65  
g-index

113  
all docs

113  
docs citations

113  
times ranked

5564  
citing authors

#	ARTICLE	IF	CITATIONS
1	Social regulation of gene expression in human leukocytes. <i>Genome Biology</i> , 2007, 8, R189.	8.8	568
2	Chronic Interpersonal Stress Predicts Activation of Pro- and Anti-Inflammatory Signaling Pathways 6 Months Later. <i>Psychosomatic Medicine</i> , 2009, 71, 57-62.	2.0	169
3	Expression-based monitoring of transcription factor activity: the TELiS database. <i>Bioinformatics</i> , 2005, 21, 803-810.	4.1	155
4	Psychological Well-Being and the Human Conserved Transcriptional Response to Adversity. <i>PLoS ONE</i> , 2015, 10, e0121839.	2.5	154
5	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, 721-729.	1.3	154
6	Social Regulation of Human Gene Expression. <i>Current Directions in Psychological Science</i> , 2009, 18, 132-137.	5.3	151
7	Greater inflammatory activity and blunted glucocorticoid signaling in monocytes of chronically stressed caregivers. <i>Brain, Behavior, and Immunity</i> , 2014, 41, 191-199.	4.1	148
8	Biobehavioral Influences on Matrix Metalloproteinase Expression in Ovarian Carcinoma. <i>Clinical Cancer Research</i> , 2008, 14, 6839-6846.	7.0	137
9	Social regulation of leukocyte homeostasis: The role of glucocorticoid sensitivity. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 1049-1055.	4.1	136
10	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.	2.1	113
11	Psychological risk factors for HIV pathogenesis: mediation by the autonomic nervous system. <i>Biological Psychiatry</i> , 2003, 54, 1444-1456.	1.3	109
12	Transcriptional Control of Monocyte Gene Expression in Post-Traumatic Stress Disorder. <i>Disease Markers</i> , 2011, 30, 123-132.	1.3	109
13	Controlling false-negative errors in microarray differential expression analysis: a PRIM approach. <i>Bioinformatics</i> , 2003, 19, 1808-1816.	4.1	105
14	Elevating the perspective on human stress genomics. <i>Psychoneuroendocrinology</i> , 2010, 35, 955-962.	2.7	105
15	Social Stress Mobilizes Hematopoietic Stem Cells to Establish Persistent Splenic Myelopoiesis. <i>Cell Reports</i> , 2018, 25, 2552-2562.e3.	6.4	94
16	Altered Stress-Induced Regulation of Genes in Monocytes in Adults with a History of Childhood Adversity. <i>Neuropsychopharmacology</i> , 2016, 41, 2530-2540.	5.4	90
17	Experienced discrimination and racial differences in leukocyte gene expression. <i>Psychoneuroendocrinology</i> , 2019, 106, 277-283.	2.7	86
18	Depression and the risk of severe infections: prospective analyses on a nationwide representative sample. <i>International Journal of Epidemiology</i> , 2016, 45, 131-139.	1.9	83

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19	Adrenergic regulation of monocyte chemotactic protein 1 leads to enhanced macrophage recruitment and ovarian carcinoma growth. <i>Oncotarget</i> , 2015, 6, 4266-4273.	1.8	78
20	Psychosocial Influences on HIV-1 Disease Progression: Neural, Endocrine, and Virologic Mechanisms. <i>Psychosomatic Medicine</i> , 2008, 70, 562-568.	2.0	77
21	Sustained Adrenergic Signaling Promotes Intratumoral Innervation through BDNF Induction. <i>Cancer Research</i> , 2018, 78, 3233-3242.	0.9	69
22	Perioperative COX2 and $\beta$ -adrenergic blockade improves biomarkers of tumor metastasis, immunity, and inflammation in colorectal cancer: A randomized controlled trial. <i>Cancer</i> , 2020, 126, 3991-4001.	4.1	68
23	$\beta$ -Adrenergic-stimulated macrophages: Comprehensive localization in the M1-M2 spectrum. <i>Brain, Behavior, and Immunity</i> , 2016, 57, 338-346.	4.1	65
24	Low Socioeconomic Status, Adverse Gene Expression Profiles, and Clinical Outcomes in Hematopoietic Stem Cell Transplant Recipients. <i>Clinical Cancer Research</i> , 2016, 22, 69-78.	7.0	63
25	Adrenergic inhibition of innate anti-viral response: PKA blockade of Type I interferon gene transcription mediates catecholamine support for HIV-1 replication. <i>Brain, Behavior, and Immunity</i> , 2006, 20, 552-563.	4.1	62
26	Perioperative inhibition of $\beta$ -adrenergic and COX2 signaling in a clinical trial in breast cancer patients improves tumor Ki-67 expression, serum cytokine levels, and PBMCs transcriptome. <i>Brain, Behavior, and Immunity</i> , 2018, 73, 294-309.	4.1	61
27	Sexual functioning among young adult cancer patients: A 2-year longitudinal study. <i>Cancer</i> , 2018, 124, 398-405.	4.1	59
28	Social Stress Desensitizes Lymphocytes to Regulation by Endogenous Glucocorticoids: Insights from In Vivo Cell Trafficking Dynamics in Rhesus Macaques. <i>Psychosomatic Medicine</i> , 2009, 71, 591-597.	2.0	57
29	$\beta$ -Adrenergic blockade mimics the enhancing effect of chronic stress on breast cancer progression. <i>Psychoneuroendocrinology</i> , 2015, 51, 262-270.	2.7	50
30	Maternal socioeconomic disadvantage is associated with transcriptional indications of greater immune activation and slower tissue maturation in placental biopsies and newborn cord blood. <i>Brain, Behavior, and Immunity</i> , 2017, 64, 276-284.	4.1	48
31	Genome-wide expression reveals multiple systemic effects associated with detection of anticoagulant poisons in bobcats ( <i>Lynx rufus</i> ). <i>Molecular Ecology</i> , 2018, 27, 1170-1187.	3.9	43
32	Changes in eudaimonic well-being and the conserved transcriptional response to adversity in younger breast cancer survivors. <i>Psychoneuroendocrinology</i> , 2019, 103, 173-179.	2.7	43
33	Optimism and the conserved transcriptional response to adversity. <i>Health Psychology</i> , 2018, 37, 1077-1080.	1.6	43
34	Genome-Wide Profiling of RNA from Dried Blood Spots: Convergence with Bioinformatic Results Derived from Whole Venous Blood and Peripheral Blood Mononuclear Cells. <i>Biodemography and Social Biology</i> , 2016, 62, 182-197.	1.0	42
35	Inflammaging: Age and Systemic, Cellular, and Nuclear Inflammatory Biology in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 1716-1724.	3.6	41
36	Behavioral and Transcriptomic Fingerprints of an Enriched Environment in Horses ( <i>Equus caballus</i> ). <i>PLoS ONE</i> , 2014, 9, e114384.	2.5	39

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37	Diurnal cortisol rhythms, fatigue and psychosocial factors in five-year survivors of ovarian cancer. <i>Psychoneuroendocrinology</i> , 2017, 84, 139-142.	2.7	39
38	Chronic stress exposure and daily stress appraisals relate to biological aging marker p16INK4a. <i>Psychoneuroendocrinology</i> , 2019, 102, 139-148.	2.7	39
39	Transcriptomic predictors of inflammation-induced depressed mood. <i>Neuropsychopharmacology</i> , 2019, 44, 923-929.	5.4	38
40	Adrenergic-mediated increases in INHBA drive CAF phenotype and collagens. <i>JCI Insight</i> , 2017, 2, .	5.0	38
41	Moderators for depressed mood and systemic and transcriptional inflammatory responses: a randomized controlled trial of endotoxin. <i>Neuropsychopharmacology</i> , 2019, 44, 635-641.	5.4	36
42	Val66Met BDNF polymorphism as a vulnerability factor for inflammation-associated depressive symptoms in women with breast cancer. <i>Journal of Affective Disorders</i> , 2016, 197, 43-50.	4.1	34
43	Depressive symptoms and immune transcriptional profiles in late adolescents. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 163-169.	4.1	34
44	Do all patients with cancer experience fatigue? A longitudinal study of fatigue trajectories in women with breast cancer. <i>Cancer</i> , 2021, 127, 1334-1344.	4.1	32
45	Psychosocial issues for adolescent and young adult cancer patients in a global context: A forward-looking approach. <i>Pediatric Blood and Cancer</i> , 2019, 66, e27789.	1.5	31
46	Testing a biobehavioral model of fatigue before adjuvant therapy in women with breast cancer. <i>Cancer</i> , 2019, 125, 633-641.	4.1	31
47	Elevated pro-inflammatory gene expression in the third trimester of pregnancy in mothers who experienced stressful life events. <i>Brain, Behavior, and Immunity</i> , 2019, 76, 97-103.	4.1	30
48	Divergent transcriptional profiles in pediatric asthma patients of low and high socioeconomic status. <i>Pediatric Pulmonology</i> , 2018, 53, 710-719.	2.0	28
49	Repurposing existing medications as cancer therapy: design and feasibility of a randomized pilot investigating propranolol administration in patients receiving hematopoietic cell transplantation. <i>BMC Cancer</i> , 2018, 18, 593.	2.6	28
50	Biobehavioral modulation of the exosome transcriptome in ovarian carcinoma. <i>Cancer</i> , 2018, 124, 580-586.	4.1	27
51	C/EBP $\beta$ regulates the M2 transcriptome in $\beta$ 2-adrenergic-stimulated macrophages. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 839-848.	4.1	25
52	Mindfulness meditation and gene expression: a hypothesis-generating framework. <i>Current Opinion in Psychology</i> , 2019, 28, 302-306.	4.9	24
53	Prospective pilot trial with combination of propranolol with chemotherapy in patients with epithelial ovarian cancer and evaluation on circulating immune cell gene expression. <i>Gynecologic Oncology</i> , 2019, 154, 524-530.	1.4	24
54	Social stressors associated with age-related T lymphocyte percentages in older US adults: Evidence from the US Health and Retirement Study. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	24

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55	Social well-being is associated with less pro-inflammatory and pro-metastatic leukocyte gene expression in women after surgery for breast cancer. <i>Breast Cancer Research and Treatment</i> , 2017, 165, 169-180.	2.5	23
56	Childhood maltreatment and monocyte gene expression among women with breast cancer. <i>Brain, Behavior, and Immunity</i> , 2020, 88, 396-402.	4.1	23
57	Subjective social status and health during high school and young adulthood.. <i>Developmental Psychology</i> , 2020, 56, 1220-1232.	1.6	23
58	Daily interpersonal stress, sleep duration, and gene regulation during late adolescence. <i>Psychoneuroendocrinology</i> , 2019, 103, 147-155.	2.7	22
59	A biopsychosocial framework for understanding sexual and gender minority health: A call for action. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 129, 107-116.	6.1	22
60	Genomic mechanisms of fatigue in survivors of colorectal cancer. <i>Cancer</i> , 2018, 124, 2637-2644.	4.1	21
61	Lipocalin-2 is dispensable in inflammation-induced sickness and depression-like behavior. <i>Psychopharmacology</i> , 2019, 236, 2975-2982.	3.1	21
62	Stress genomics revisited: gene co-expression analysis identifies molecular signatures associated with childhood adversity. <i>Translational Psychiatry</i> , 2020, 10, 34.	4.8	21
63	Neural responses to threat and reward and changes in inflammation following a mindfulness intervention. <i>Psychoneuroendocrinology</i> , 2021, 125, 105114.	2.7	20
64	Comparing the Immune-Genomic Effects of Vilazodone and Paroxetine in Late-Life Depression: A Pilot Study. <i>Pharmacopsychiatry</i> , 2017, 50, 256-263.	3.3	18
65	Differential regulation of NF-kB and IRF target genes as they relate to fatigue in patients with head and neck cancer. <i>Brain, Behavior, and Immunity</i> , 2018, 74, 291-295.	4.1	18
66	Protocol for the MATCH study (Mindfulness and Tai Chi for cancer health): A preference-based multi-site randomized comparative effectiveness trial (CET) of Mindfulness-Based Cancer Recovery (MBCR) vs. Tai Chi/Qigong (TCQ) for cancer survivors. <i>Contemporary Clinical Trials</i> , 2017, 59, 64-76.	1.8	17
67	Pro-inflammatory immune cell gene expression during the third trimester of pregnancy is associated with shorter gestational length and lower birthweight. <i>American Journal of Reproductive Immunology</i> , 2019, 82, e13190.	1.2	16
68	Adversity in early life and pregnancy are immunologically distinct from total life adversity: macrophage-associated phenotypes in women exposed to interpersonal violence. <i>Translational Psychiatry</i> , 2021, 11, 391.	4.8	16
69	Eudaimonic well-being and tumor norepinephrine in patients with epithelial ovarian cancer. <i>Cancer</i> , 2015, 121, 3543-3550.	4.1	15
70	Epithelial-mesenchymal transition polarization in ovarian carcinomas from patients with high social isolation. <i>Cancer</i> , 2020, 126, 4407-4413.	4.1	15
71	Oxytocin in the tumor microenvironment is associated with lower inflammation and longer survival in advanced epithelial ovarian cancer patients. <i>Psychoneuroendocrinology</i> , 2019, 106, 244-251.	2.7	14
72	Psychosocial stress and C-reactive protein from mid-adolescence to young adulthood.. <i>Health Psychology</i> , 2019, 38, 259-267.	1.6	14

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73	Study design and protocol for a culturally adapted cognitive behavioral stress and self-management intervention for localized prostate cancer: The Encuentros de Salud study. <i>Contemporary Clinical Trials</i> , 2018, 71, 173-180.	1.8	13
74	Mitochondria in epithelial ovarian carcinoma exhibit abnormal phenotypes and blunted associations with biobehavioral factors. <i>Scientific Reports</i> , 2021, 11, 11595.	3.3	13
75	The Type I interferon antiviral gene program is impaired by lockdown and preserved by caregiving. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	13
76	A randomized controlled pilot study of inflammatory gene expression in response to a stress management intervention for stem cell transplant caregivers. <i>Journal of Behavioral Medicine</i> , 2016, 39, 346-354.	2.1	12
77	Differences in Gene Expression in Older Compared With Younger Kidney Transplant Recipients. <i>Transplantation Direct</i> , 2019, 5, e436.	1.6	12
78	Persistent Low Positive Affect and Sleep Disturbance across Adolescence Moderate Link between Stress and Depressive Symptoms in Early Adulthood. <i>Research on Child and Adolescent Psychopathology</i> , 2020, 48, 109-121.	2.3	12
79	Evidence from a Randomized Controlled Trial that Altruism Moderates the Effect of Prosocial Acts on Adolescent Well-being. <i>Journal of Youth and Adolescence</i> , 2021, 50, 29-43.	3.5	12
80	Vulnerability to inflammation-related depressive symptoms: Moderation by stress in women with breast cancer. <i>Brain, Behavior, and Immunity</i> , 2021, 94, 71-78.	4.1	12
81	Moderators of inflammation-related depression: a prospective study of breast cancer survivors. <i>Translational Psychiatry</i> , 2021, 11, 615.	4.8	11
82	Early adversity and the regulation of gene expression: implications for prenatal health. <i>Current Opinion in Behavioral Sciences</i> , 2019, 28, 111-118.	3.9	9
83	Sustained Adrenergic Activation of YAP1 Induces Anoikis Resistance in Cervical Cancer Cells. <i>iScience</i> , 2020, 23, 101289.	4.1	9
84	Transcriptomic signaling pathways involved in a naturalistic model of inflammation-related depression and its remission. <i>Translational Psychiatry</i> , 2021, 11, 203.	4.8	8
85	Relationship closeness buffers the effects of perceived stress on transcriptomic indicators of cellular stress and biological aging marker p16INK4a. <i>Aging</i> , 2020, 12, 16476-16490.	3.1	8
86	Socioeconomic Status and Inflammation in Women with Early-stage Breast Cancer: Mediation by Body Mass Index. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 307-316.	4.1	8
87	An immunogenomic phenotype predicting behavioral treatment response: Toward precision psychiatry for mothers and children with trauma exposure. <i>Brain, Behavior, and Immunity</i> , 2022, 99, 350-362.	4.1	7
88	Impact of the COVID-19 pandemic on cancer patients and psycho-oncology providers: Perspectives, observations, and experiences of the American Psychosocial Oncology Society membership. <i>Psycho-Oncology</i> , 2022, 31, 1031-1040.	2.3	7
89	Gene expression shifts in yellow-bellied marmots prior to natal dispersal. <i>Behavioral Ecology</i> , 2019, 30, 267-277.	2.2	6
90	Prospective associations between neighborhood violence and monocyte pro-inflammatory transcriptional activity in children. <i>Brain, Behavior, and Immunity</i> , 2022, 100, 1-7.	4.1	6

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91	Parasympathetic neural activity and the reciprocal regulation of innate antiviral and inflammatory genes in the human immune system. <i>Brain, Behavior, and Immunity</i> , 2021, 98, 251-256.	4.1	5
92	Adrenergic-mediated increases in INHBA drive CAF phenotype and collagens. <i>JCI Insight</i> , 2018, 3, .	5.0	5
93	The ATTACHâ„¢ program and immune cell gene expression profiles in mothers and children: A pilot randomized controlled trial. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2021, 18, 100358.	2.5	5
94	Patient-reported outcomes and neurotoxicity markers in patients treated with bispecific LV20.19 CAR T cell therapy. <i>Communications Medicine</i> , 2022, 2, .	4.2	5
95	Chronic difficulties are associated with poorer psychosocial functioning in the first year postâ€diagnosis in epithelial ovarian cancer patients. <i>Psycho-Oncology</i> , 2021, 30, 954-961.	2.3	4
96	Positive Psychosocial Factors and Oxytocin in the Ovarian Tumor Microenvironment. <i>Psychosomatic Medicine</i> , 2021, 83, 417-422.	2.0	4
97	Resting parasympathetic nervous system activity is associated with greater antiviral gene expression. <i>Brain, Behavior, and Immunity</i> , 2021, 98, 310-316.	4.1	4
98	Flourishing in Healthcare Trainees: Psychological Well-Being and the Conserved Transcriptional Response to Adversity. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2255.	2.6	4
99	Profiles of gene expression in maternal blood predict offspring birth weight in normal pregnancy. <i>Journal of Developmental Origins of Health and Disease</i> , 2019, 10, 676-682.	1.4	3
100	Physical activity modulates mononuclear phagocytes in mammary tissue and inhibits tumor growth in mice. <i>PeerJ</i> , 2021, 9, e10725.	2.0	3
101	Social Genomics as a Framework for Understanding Health Disparities Among Adolescent and Young Adult Cancer Survivors: A Commentary. <i>JCO Precision Oncology</i> , 2022, , .	3.0	3
102	Effect of Mindfulness Versus Loving-kindness Training on Leukocyte Gene Expression in Midlife Adults Raised in Low-Socioeconomic Status Households. <i>Mindfulness</i> , 0, , 1.	2.8	2
103	Younger women are more susceptible to inflammation: A longitudinal examination of the role of aging in inflammation and depressive symptoms. <i>Journal of Affective Disorders</i> , 2022, 310, 328-336.	4.1	2
104	Leukocyte transcriptome indicators of development of infection in kidney transplant recipients. <i>Clinical Transplantation</i> , 2021, 35, e14252.	1.6	1
105	Baseline pro-inflammatory gene expression in whole blood is related to adverse long-term outcomes after transcatheter aortic valve replacement: a case control study. <i>BMC Cardiovascular Disorders</i> , 2021, 21, 368.	1.7	1
106	Dark chocolate (70% cacao) effects human gene expression: Cacao regulates cellular immune response, neural signaling, and sensory perception. <i>FASEB Journal</i> , 2018, 32, .	0.5	1
107	Pro-Inflammatory and Dysfunctional Immunologic Changes and Risk for Infection in the Older Kidney Transplant Recipient. <i>Open Forum Infectious Diseases</i> , 2017, 4, S226-S226.	0.9	0
108	629. Blood Transcriptome Variations Predict Infection and Rejection in the Older Kidney Transplant Recipient. <i>Open Forum Infectious Diseases</i> , 2018, 5, S229-S229.	0.9	0

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109	Preliminary evidence for conserved transcriptional response to adversity in adults with temporomandibular disorder. <i>Pain Reports</i> , 2021, 6, e874.	2.7	0