

# Erica K Sloan

## List of Publications by Citations

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

85  
papers

4,847  
citations

35  
h-index

69  
g-index

92  
ext. papers

5,873  
ext. citations

8.3  
avg, IF

5.42  
L-index

#	Paper	IF	Citations
85	The sympathetic nervous system induces a metastatic switch in primary breast cancer. <i>Cancer Research</i> , <b>2010</b> , 70, 7042-52	10.1	499
84	Social stress up-regulates inflammatory gene expression in the leukocyte transcriptome via $\beta$ -adrenergic induction of myelopoiesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 16574-9	11.5	363
83	To assess, to control, to exclude: effects of biobehavioral factors on circulating inflammatory markers. <i>Brain, Behavior, and Immunity</i> , <b>2009</b> , 23, 887-97	16.6	331
82	Primary tumor hypoxia recruits CD11b <sup>+</sup> /Ly6C <sup>med</sup> /Ly6G <sup>+</sup> immune suppressor cells and compromises NK cell cytotoxicity in the premetastatic niche. <i>Cancer Research</i> , <b>2012</b> , 72, 3906-11	10.1	264
81	VEGF-D promotes tumor metastasis by regulating prostaglandins produced by the collecting lymphatic endothelium. <i>Cancer Cell</i> , <b>2012</b> , 21, 181-95	24.3	208
80	Tumor-specific expression of $\alpha$ v $\beta$ 3 integrin promotes spontaneous metastasis of breast cancer to bone. <i>Breast Cancer Research</i> , <b>2006</b> , 8, R20	8.3	205
79	Perioperative events influence cancer recurrence risk after surgery. <i>Nature Reviews Clinical Oncology</i> , <b>2018</b> , 15, 205-218	19.4	195
78	Computational identification of gene-social environment interaction at the human IL6 locus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 5681-6	11.5	189
77	Chronic stress in mice remodels lymph vasculature to promote tumour cell dissemination. <i>Nature Communications</i> , <b>2016</b> , 7, 10634	17.4	169
76	Stromal cell expression of caveolin-1 predicts outcome in breast cancer. <i>American Journal of Pathology</i> , <b>2009</b> , 174, 2035-43	5.8	163
75	Genomic Analysis of a Spontaneous Model of Breast Cancer Metastasis to Bone Reveals a Role for the Extracellular Matrix. <i>Molecular Cancer Research</i> , <b>2005</b> , 3, 1-13	6.6	159
74	Chronic stress accelerates pancreatic cancer growth and invasion: a critical role for beta-adrenergic signaling in the pancreatic microenvironment. <i>Brain, Behavior, and Immunity</i> , <b>2014</b> , 40, 40-7	16.6	142
73	Caveolin-1 inhibits breast cancer growth and metastasis. <i>Oncogene</i> , <b>2004</b> , 23, 7893-7	9.2	134
72	Social stress enhances sympathetic innervation of primate lymph nodes: mechanisms and implications for viral pathogenesis. <i>Journal of Neuroscience</i> , <b>2007</b> , 27, 8857-65	6.6	120
71	The role of CD45 and CD45-associated molecules in T cell activation. <i>Immunology and Cell Biology</i> , <b>1997</b> , 75, 430-45	5	117
70	Genomic analysis of a spontaneous model of breast cancer metastasis to bone reveals a role for the extracellular matrix. <i>Molecular Cancer Research</i> , <b>2005</b> , 3, 1-13	6.6	111
69	Chronic stress enhances progression of acute lymphoblastic leukemia via $\beta$ -adrenergic signaling. <i>Brain, Behavior, and Immunity</i> , <b>2012</b> , 26, 635-41	16.6	95

68	Anesthetic technique and cancer outcomes: a meta-analysis of total intravenous versus volatile anesthesia. <i>Canadian Journal of Anaesthesia</i> , <b>2019</b> , 66, 546-561	3	82
67	Roadmap for the Emerging Field of Cancer Neuroscience. <i>Cell</i> , <b>2020</b> , 181, 219-222	56.2	68
66	Effect of beta-blockers on cancer recurrence and survival: a meta-analysis of epidemiological and perioperative studies. <i>British Journal of Anaesthesia</i> , <b>2018</b> , 121, 45-57	5.4	59
65	PEGylation of interferon $\alpha$ improves lymphatic exposure after subcutaneous and intravenous administration and improves antitumor efficacy against lymphatic breast cancer metastases. <i>Journal of Controlled Release</i> , <b>2013</b> , 168, 200-8	11.7	58
64	Genes involved in breast cancer metastasis to bone. <i>Cellular and Molecular Life Sciences</i> , <b>2002</b> , 59, 1491-502	50.3	54
63	Preoperative $\beta$ -Blockade with Propranolol Reduces Biomarkers of Metastasis in Breast Cancer: A Phase II Randomized Trial. <i>Clinical Cancer Research</i> , <b>2020</b> , 26, 1803-1811	12.9	52
62	$\alpha$ -Adrenoceptors on tumor cells play a critical role in stress-enhanced metastasis in a mouse model of breast cancer. <i>Brain, Behavior, and Immunity</i> , <b>2016</b> , 57, 106-115	16.6	50
61	Implicating anaesthesia and the perioperative period in cancer recurrence and metastasis. <i>Clinical and Experimental Metastasis</i> , <b>2018</b> , 35, 347-358	4.7	48
60	$\beta$ -Adrenergic Signaling Impairs Antitumor CD8 T-cell Responses to B-cell Lymphoma Immunotherapy. <i>Cancer Immunology Research</i> , <b>2018</b> , 6, 98-109	12.5	48
59	$\alpha$ -adrenoceptor signaling regulates invadopodia formation to enhance tumor cell invasion. <i>Breast Cancer Research</i> , <b>2015</b> , 17, 145	8.3	46
58	Cancer cells become less deformable and more invasive with activation of $\beta$ -adrenergic signaling. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 4563-4575	5.3	45
57	Stress-induced remodeling of lymphoid innervation. <i>Brain, Behavior, and Immunity</i> , <b>2008</b> , 22, 15-21	16.6	45
56	$\beta$ -Adrenergic-stimulated macrophages: Comprehensive localization in the M1-M2 spectrum. <i>Brain, Behavior, and Immunity</i> , <b>2016</b> , 57, 338-346	16.6	45
55	Methotrexate-conjugated PEGylated dendrimers show differential patterns of deposition and activity in tumor-burdened lymph nodes after intravenous and subcutaneous administration in rats. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 432-43	5.6	41
54	Enhanced replication of simian immunodeficiency virus adjacent to catecholaminergic varicosities in primate lymph nodes. <i>Journal of Virology</i> , <b>2006</b> , 80, 4326-35	6.6	41
53	$\alpha$ -Adrenergic blockade mimics the enhancing effect of chronic stress on breast cancer progression. <i>Psychoneuroendocrinology</i> , <b>2015</b> , 51, 262-70	5	37
52	Tight Junction Protein Claudin-2 Promotes Self-Renewal of Human Colorectal Cancer Stem-like Cells. <i>Cancer Research</i> , <b>2018</b> , 78, 2925-2938	10.1	35
51	The $\alpha$ -adrenoceptor activates a positive cAMP-calcium feedforward loop to drive breast cancer cell invasion. <i>FASEB Journal</i> , <b>2016</b> , 30, 1144-54	0.9	35

50	Interaction of neurotransmitters and neurochemicals with lymphocytes. <i>Journal of Neuroimmunology</i> , <b>2019</b> , 332, 99-111	3.5	32
49	Social temperament and lymph node innervation. <i>Brain, Behavior, and Immunity</i> , <b>2008</b> , 22, 717-26	16.6	28
48	Smoking and Colorectal Cancer Risk, Overall and by Molecular Subtypes: A Meta-Analysis. <i>American Journal of Gastroenterology</i> , <b>2020</b> , 115, 1940-1949	0.7	24
47	Predicting cancer cell invasion by single-cell physical phenotyping. <i>Integrative Biology (United Kingdom)</i> , <b>2018</b> , 10, 218-231	3.7	22
46	Visualizing Ligand Binding to a GPCR In Vivo Using NanoBRET. <i>IScience</i> , <b>2018</b> , 6, 280-288	6.1	22
45	Bioluminescent orthotopic model of pancreatic cancer progression. <i>Journal of Visualized Experiments</i> , <b>2013</b> ,	1.6	22
44	SIV infection decreases sympathetic innervation of primate lymph nodes: the role of neurotrophins. <i>Brain, Behavior, and Immunity</i> , <b>2008</b> , 22, 185-94	16.6	20
43	Low dose aspirin blocks breast cancer-induced cognitive impairment in mice. <i>PLoS ONE</i> , <b>2018</b> , 13, e0208593	5.9	20
42	Adrenergic regulation of the vasculature impairs leukocyte interstitial migration and suppresses immune responses. <i>Immunity</i> , <b>2021</b> , 54, 1219-1230.e7	32.3	19
41	Circulating epinephrine is not required for chronic stress to enhance metastasis. <i>Psychoneuroendocrinology</i> , <b>2019</b> , 99, 191-195	5	19
40	Activated platelets in the tumor microenvironment for targeting of antibody-drug conjugates to tumors and metastases. <i>Theranostics</i> , <b>2019</b> , 9, 1154-1169	12.1	18
39	Complex Formation between VEGFR2 and the $\beta$ Adrenoceptor. <i>Cell Chemical Biology</i> , <b>2019</b> , 26, 830-841.e8.2	8.2	16
38	Activation of Canonical BMP4-SMAD7 Signaling Suppresses Breast Cancer Metastasis. <i>Cancer Research</i> , <b>2020</b> , 80, 1304-1315	10.1	16
37	Neural regulation of cancer: from mechanobiology to inflammation. <i>Clinical and Translational Immunology</i> , <b>2016</b> , 5, e78	6.8	16
36	Stress hormone signaling through $\beta$ adrenergic receptors regulates macrophage mechanotype and function. <i>FASEB Journal</i> , <b>2019</b> , 33, 3997-4006	0.9	16
35	C/EBP $\beta$ regulates the M2 transcriptome in $\beta$ adrenergic-stimulated macrophages. <i>Brain, Behavior, and Immunity</i> , <b>2019</b> , 80, 839-848	16.6	15
34	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> , <b>2018</b> , 18, 593	4.8	15
33	$\beta$ Adrenergic receptor expression is associated with biomarkers of tumor immunity and predicts poor prognosis in estrogen receptor-negative breast cancer. <i>Breast Cancer Research and Treatment</i> , <b>2019</b> , 177, 603-610	4.4	12

32	Neural Regulation of Pancreatic Cancer: A Novel Target for Intervention. <i>Cancers</i> , <b>2015</b> , 7, 1292-312	6.6	12
31	Aspirin and other non-steroidal anti-inflammatory drugs and depression, anxiety, and stress-related disorders following a cancer diagnosis: a nationwide register-based cohort study. <i>BMC Medicine</i> , <b>2020</b> , 18, 238	11.4	12
30	Optimized Method for Untargeted Metabolomics Analysis of MDA-MB-231 Breast Cancer Cells. <i>Metabolites</i> , <b>2016</b> , 6,	5.6	12
29	High expression of TROP2 characterizes different cell subpopulations in androgen-sensitive and androgen-independent prostate cancer cells. <i>Oncotarget</i> , <b>2016</b> , 7, 44492-44504	3.3	11
28	Lymphovascular and neural regulation of metastasis: shared tumour signalling pathways and novel therapeutic approaches. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , <b>2013</b> , 27, 409-25	4	10
27	Carvedilol blocks neural regulation of breast cancer progression in vivo and is associated with reduced breast cancer mortality in patients. <i>European Journal of Cancer</i> , <b>2021</b> , 147, 106-116	7.5	10
26	Social regulation of the lymph node transcriptome in rhesus macaques ( <i>Macaca mulatta</i> ). <i>Psychoneuroendocrinology</i> , <b>2017</b> , 76, 107-113	5	8
25	Application of a Sulfoxonium Ylide Electrophile to Generate Cathepsin X-Selective Activity-Based Probes. <i>ACS Chemical Biology</i> , <b>2020</b> , 15, 718-727	4.9	8
24	Psychobiology of HIV Infection <b>2007</b> , 1053-1076		6
23	Trisulfide-Bearing PEG Brush Polymers Donate Hydrogen Sulfide and Ameliorate Cellular Oxidative Stress. <i>Biomacromolecules</i> , <b>2020</b> , 21, 5292-5305	6.9	6
22	Trisulfide linked cholesteryl PEG conjugate attenuates intracellular ROS and collagen-1 production in a breast cancer co-culture model. <i>Biomaterials Science</i> , <b>2021</b> , 9, 835-846	7.4	6
21	Beta-adrenergic blockade blunts inflammatory and antiviral/antibody gene expression responses to acute psychosocial stress. <i>Neuropsychopharmacology</i> , <b>2021</b> , 46, 756-762	8.7	6
20	Stress-driven lymphatic dissemination: An unanticipated consequence of communication between the sympathetic nervous system and lymphatic vasculature. <i>Molecular and Cellular Oncology</i> , <b>2016</b> , 3, e1177674	1.2	5
19	Volatile anaesthesia and peri-operative outcomes related to cancer: a feasibility and pilot study for a large randomised control trial. <i>Anaesthesia</i> , <b>2021</b> , 76, 1198-1206	6.6	5
18	Long-term Consequences of the Acute Neural-Inflammatory Stress Response in the Cancer Surgical Patient: New Findings and Perspectives. <i>International Anesthesiology Clinics</i> , <b>2016</b> , 54, 58-71	0.6	4
17	Elucidating the mechanisms of psychosocial influences on cancer using preclinical in vivo models. <i>Current Opinion in Behavioral Sciences</i> , <b>2019</b> , 28, 129-135	4	3
16	Investigation of monogenic causes of familial breast cancer: data from the BEACCON case-control study. <i>Npj Breast Cancer</i> , <b>2021</b> , 7, 76	7.8	3
15	Adrenoceptor regulation of metabolism in U937 derived macrophages. <i>Molecular Omics</i> , <b>2021</b> , 17, 583-595	4.4	3

14	The Anti-Inflammatory Drug Aspirin Does Not Protect Against Chemotherapy-Induced Memory Impairment by Paclitaxel in Mice. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 564965	5.3	2
13	Adrenergic signaling modulates cancer cell mechanotype through a RhoA-ROCK-myosin II axis		2
12	Adrenergic Contributions to Emotion and Physiology During an Acute Psychosocial Stressor. <i>Psychosomatic Medicine</i> , <b>2021</b> , 83, 959-968	3.7	2
11	Biobehavioral Pathways and Cancer Progression: Insights for Improving Well-Being and Cancer Outcomes.. <i>Integrative Cancer Therapies</i> , <b>2022</b> , 21, 15347354221096081	3	2
10	Spontaneous regression of micro-metastases following primary tumor excision: a critical role for primary tumor secretome. <i>BMC Biology</i> , <b>2020</b> , 18, 163	7.3	1
9	Nitroxide-functional PEGylated nanostars arrest cellular oxidative stress and exhibit preferential accumulation in co-cultured breast cancer cells. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 7805-7820	7.3	1
8	Disrupting circadian rhythms promotes cancer-induced inflammation in mice.. <i>Brain, Behavior, &amp; Immunity - Health</i> , <b>2022</b> , 21, 100428	5.1	0
7	Use of non-cancer drugs and survival among patients with pancreatic adenocarcinoma: a nationwide registry-based study in Norway. <i>Acta Oncologica</i> , <b>2021</b> , 60, 1146-1153	3.2	0
6	Physical activity modulates mononuclear phagocytes in mammary tissue and inhibits tumor growth in mice. <i>PeerJ</i> , <b>2021</b> , 9, e10725	3.1	0
5	Autonomic Nervous System Influences on HIV Pathogenesis <b>2006</b> , 176-189		
4	Integration of tumour sequencing and case-control data to assess pathogenicity of RAD51C missense variants in familial breast cancer.. <i>Npj Breast Cancer</i> , <b>2022</b> , 8, 10	7.8	
3	NSAID use and unnatural deaths after cancer diagnosis: a nationwide cohort study in Sweden.. <i>BMC Cancer</i> , <b>2022</b> , 22, 75	4.8	
2	NanoBRET to monitor ligand engagement to beta-2 adrenergic receptor in a highly metastatic breast cancer cell model. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO2-14-6	0	
1	Response to the letter Re: Carvedilol blocks neural regulation of breast cancer progression in vivo and is associated with reduced breast cancer mortality in patients. <i>European Journal of Cancer</i> , <b>2021</b> , 152, 252-254	7.5	