

# Erica K Sloan

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

6,768  
citations

87886

38  
h-index

62593

80  
g-index

92  
all docs

92  
docs citations

92  
times ranked

9364  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Sympathetic Nervous System Induces a Metastatic Switch in Primary Breast Cancer. <i>Cancer Research</i> , 2010, 70, 7042-7052.	0.9	645
2	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> , 2013, 110, 16574-16579.	7.1	470
3	To assess, to control, to exclude: Effects of biobehavioral factors on circulating inflammatory markers. <i>Brain, Behavior, and Immunity</i> , 2009, 23, 887-897.	4.1	415
4	Perioperative events influence cancer recurrence risk after surgery. <i>Nature Reviews Clinical Oncology</i> , 2018, 15, 205-218.	27.6	339
5	Primary Tumor Hypoxia Recruits CD11b+/Ly6Cmed/Ly6G+ Immune Suppressor Cells and Compromises NK Cell Cytotoxicity in the Premetastatic Niche. <i>Cancer Research</i> , 2012, 72, 3906-3911.	0.9	316
6	VEGF-D Promotes Tumor Metastasis by Regulating Prostaglandins Produced by the Collecting Lymphatic Endothelium. <i>Cancer Cell</i> , 2012, 21, 181-195.	16.8	244
7	Tumor-specific expression of $\alpha$ <sub>v</sub> $\beta$ <sub>3</sub> integrin promotes spontaneous metastasis of breast cancer to bone. <i>Breast Cancer Research</i> , 2006, 8, R20.	5.0	238
8	Chronic stress in mice remodels lymph vasculature to promote tumour cell dissemination. <i>Nature Communications</i> , 2016, 7, 10634.	12.8	232
9	Genomic Analysis of a Spontaneous Model of Breast Cancer Metastasis to Bone Reveals a Role for the Extracellular Matrix. <i>Molecular Cancer Research</i> , 2005, 3, 1-13.	3.4	228
10	Computational identification of gene–social environment interaction at the human <i>IL6</i> locus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5681-5686.	7.1	216
11	Stromal Cell Expression of Caveolin-1 Predicts Outcome in Breast Cancer. <i>American Journal of Pathology</i> , 2009, 174, 2035-2043.	3.8	199
12	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> , 2014, 40, 40-47.	4.1	192
13	Roadmap for the Emerging Field of Cancer Neuroscience. <i>Cell</i> , 2020, 181, 219-222.	28.9	182
14	The role of CD45 and CD45-associated molecules in T cell activation. <i>Immunology and Cell Biology</i> , 1997, 75, 430-445.	2.3	152
15	Caveolin-1 inhibits breast cancer growth and metastasis. <i>Oncogene</i> , 2004, 23, 7893-7897.	5.9	152
16	Social Stress Enhances Sympathetic Innervation of Primate Lymph Nodes: Mechanisms and Implications for Viral Pathogenesis. <i>Journal of Neuroscience</i> , 2007, 27, 8857-8865.	3.6	146
17	Anesthetic technique and cancer outcomes: a meta-analysis of total intravenous versus volatile anesthesia. <i>Canadian Journal of Anaesthesia</i> , 2019, 66, 546-561.	1.6	144
18	Chronic stress enhances progression of acute lymphoblastic leukemia via $\beta$ -adrenergic signaling. <i>Brain, Behavior, and Immunity</i> , 2012, 26, 635-641.	4.1	115

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19	Genomic analysis of a spontaneous model of breast cancer metastasis to bone reveals a role for the extracellular matrix. <i>Molecular Cancer Research</i> , 2005, 3, 1-13.	3.4	115
20	Preoperative $\beta$ -Blockade with Propranolol Reduces Biomarkers of Metastasis in Breast Cancer: A Phase II Randomized Trial. <i>Clinical Cancer Research</i> , 2020, 26, 1803-1811.	7.0	113
21	Smoking and Colorectal Cancer Risk, Overall and by Molecular Subtypes: A Meta-Analysis. <i>American Journal of Gastroenterology</i> , 2020, 115, 1940-1949.	0.4	95
22	Implicating anaesthesia and the perioperative period in cancer recurrence and metastasis. <i>Clinical and Experimental Metastasis</i> , 2018, 35, 347-358.	3.3	81
23	Effect of beta-blockers on cancer recurrence and survival: a meta-analysis of epidemiological and perioperative studies. <i>British Journal of Anaesthesia</i> , 2018, 121, 45-57.	3.4	81
24	$\beta$ 2-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> , 2016, 57, 106-115.	4.1	77
25	PEGylation of interferon $\beta$ 2 improves lymphatic exposure after subcutaneous and intravenous administration and improves antitumour efficacy against lymphatic breast cancer metastases. <i>Journal of Controlled Release</i> , 2013, 168, 200-208.	9.9	70
26	$\beta$ -Adrenergic Signaling Impairs Antitumor CD8+ T-cell Responses to B-cell Lymphoma Immunotherapy. <i>Cancer Immunology Research</i> , 2018, 6, 98-109.	3.4	68
27	$\beta$ -Adrenergic-stimulated macrophages: Comprehensive localization in the M1-M2 spectrum. <i>Brain, Behavior, and Immunity</i> , 2016, 57, 338-346.	4.1	65
28	Genes involved in breast cancer metastasis to bone. <i>Cellular and Molecular Life Sciences</i> , 2002, 59, 1491-1502.	5.4	64
29	$\beta$ 2-adrenoceptor signaling regulates invadopodia formation to enhance tumor cell invasion. <i>Breast Cancer Research</i> , 2015, 17, 145.	5.0	64
30	Cancer cells become less deformable and more invasive with activation of $\beta$ 2-adrenergic signaling. <i>Journal of Cell Science</i> , 2016, 129, 4563-4575.	2.0	63
31	The $\beta$ 2-adrenoceptor activates a positive cAMP-calcium feedforward loop to drive breast cancer cell invasion. <i>FASEB Journal</i> , 2016, 30, 1144-1154.	0.5	60
32	Adrenergic regulation of the vasculature impairs leukocyte interstitial migration and suppresses immune responses. <i>Immunity</i> , 2021, 54, 1219-1230.e7.	14.3	60
33	Interaction of neurotransmitters and neurochemicals with lymphocytes. <i>Journal of Neuroimmunology</i> , 2019, 332, 99-111.	2.3	53
34	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> , 2015, 12, 432-443.	4.6	51
35	Stress-induced remodeling of lymphoid innervation. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 15-21.	4.1	50
36	$\beta$ -Adrenergic blockade mimics the enhancing effect of chronic stress on breast cancer progression. <i>Psychoneuroendocrinology</i> , 2015, 51, 262-270.	2.7	50

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37	Tight Junction Protein Claudin-2 Promotes Self-Renewal of Human Colorectal Cancer Stem-like Cells. <i>Cancer Research</i> , 2018, 78, 2925-2938.	0.9	50
38	Enhanced Replication of Simian Immunodeficiency Virus Adjacent to Catecholaminergic Varicosities in Primate Lymph Nodes. <i>Journal of Virology</i> , 2006, 80, 4326-4335.	3.4	48
39	Bioluminescent Orthotopic Model of Pancreatic Cancer Progression. <i>Journal of Visualized Experiments</i> , 2013, , .	0.3	38
40	Activation of Canonical BMP4-SMAD7 Signaling Suppresses Breast Cancer Metastasis. <i>Cancer Research</i> , 2020, 80, 1304-1315.	0.9	37
41	Social temperament and lymph node innervation. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 717-726.	4.1	36
42	Activated platelets in the tumor microenvironment for targeting of antibody-drug conjugates to tumors and metastases. <i>Theranostics</i> , 2019, 9, 1154-1169.	10.0	32
43	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> , 2021, 147, 106-116.	2.8	30
44	Predicting cancer cell invasion by single-cell physical phenotyping. <i>Integrative Biology (United Kingdom)</i> , 2020, 12, 1155-1162.	1.3	29
45	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
46	Visualizing Ligand Binding to a GPCR In Vivo Using NanoBRET. <i>iScience</i> , 2018, 6, 280-288.	4.1	28
47	Low dose aspirin blocks breast cancer-induced cognitive impairment in mice. <i>PLoS ONE</i> , 2018, 13, e0208593.	2.5	27
48	Complex Formation between VEGFR2 and the $\beta_2$ -Adrenoceptor. <i>Cell Chemical Biology</i> , 2019, 26, 830-841.e9.	5.2	27
49	Circulating epinephrine is not required for chronic stress to enhance metastasis. <i>Psychoneuroendocrinology</i> , 2019, 99, 191-195.	2.7	26
50	Stress hormone signaling through $\beta_2$ -adrenergic receptors regulates macrophage mechanotype and function. <i>FASEB Journal</i> , 2019, 33, 3997-4006.	0.5	26
51	Beta-adrenergic blockade blunts inflammatory and antiviral/antibody gene expression responses to acute psychosocial stress. <i>Neuropsychopharmacology</i> , 2021, 46, 756-762.	5.4	26
52	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
53	SIV infection decreases sympathetic innervation of primate lymph nodes: The role of neurotrophins. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 185-194.	4.1	23
54	Neural regulation of cancer: from mechanobiology to inflammation. <i>Clinical and Translational Immunology</i> , 2016, 5, e78.	3.8	22

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55	Î²2-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> , 2019, 177, 603-610.	2.5	22
56	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> , 2020, 18, 238.	5.5	22
57	Neural Regulation of Pancreatic Cancer: A Novel Target for Intervention. <i>Cancers</i> , 2015, 7, 1292-1312.	3.7	18
58	Biobehavioral Pathways and Cancer Progression: Insights for Improving Well-Being and Cancer Outcomes. <i>Integrative Cancer Therapies</i> , 2022, 21, 153473542210960.	2.0	18
59	Optimized Method for Untargeted Metabolomics Analysis of MDA-MB-231 Breast Cancer Cells. <i>Metabolites</i> , 2016, 6, 30.	2.9	17
60	Application of a Sulfoxonium Ylide Electrophile to Generate Cathepsin X-Selective Activity-Based Probes. <i>ACS Chemical Biology</i> , 2020, 15, 718-727.	3.4	17
61	Volatile anaesthesia and perioperative outcomes related to cancer: a feasibility and pilot study for a large randomised control trial. <i>Anaesthesia</i> , 2021, 76, 1198-1206.	3.8	16
62	High expression of TROP2 characterizes different cell subpopulations in androgen-sensitive and androgen-independent prostate cancer cells. <i>Oncotarget</i> , 2016, 7, 44492-44504.	1.8	16
63	Lymphovascular and neural regulation of metastasis: Shared tumour signalling pathways and novel therapeutic approaches. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2013, 27, 409-425.	4.0	13
64	Î²-Adrenergic Contributions to Emotion and Physiology During an Acute Psychosocial Stressor. <i>Psychosomatic Medicine</i> , 2021, 83, 959-968.	2.0	13
65	Î²-blockers and breast cancer survival by molecular subtypes: a population-based cohort study and meta-analysis. <i>British Journal of Cancer</i> , 2022, 127, 1086-1096.	6.4	13
66	Investigation of monogenic causes of familial breast cancer: data from the BEACCON case-control study. <i>Npj Breast Cancer</i> , 2021, 7, 76.	5.2	12
67	The Anti-Inflammatory Drug Aspirin Does Not Protect Against Chemotherapy-Induced Memory Impairment by Paclitaxel in Mice. <i>Frontiers in Oncology</i> , 2020, 10, 564965.	2.8	11
68	Spontaneous regression of micro-metastases following primary tumor excision: a critical role for primary tumor secretome. <i>BMC Biology</i> , 2020, 18, 163.	3.8	11
69	Trisulfide linked cholesteryl PEG conjugate attenuates intracellular ROS and collagen-1 production in a breast cancer co-culture model. <i>Biomaterials Science</i> , 2021, 9, 835-846.	5.4	11
70	Social regulation of the lymph node transcriptome in rhesus macaques ( <i>Macaca mulatta</i> ). <i>Psychoneuroendocrinology</i> , 2017, 76, 107-113.	2.7	9
71	Disrupting circadian rhythms promotes cancer-induced inflammation in mice. <i>Brain, Behavior, &amp; Immunity - Health</i> , 2022, 21, 100428.	2.5	9
72	Stress-driven lymphatic dissemination: An unanticipated consequence of communication between the sympathetic nervous system and lymphatic vasculature. <i>Molecular and Cellular Oncology</i> , 2016, 3, e1177674.	0.7	8

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73	Trisulfide-Bearing PEG Brush Polymers Donate Hydrogen Sulfide and Ameliorate Cellular Oxidative Stress. <i>Biomacromolecules</i> , 2020, 21, 5292-5305.	5.4	8
74	Use of non-cancer drugs and survival among patients with pancreatic adenocarcinoma: a nationwide registry-based study in Norway. <i>Acta Oncologica</i> , 2021, 60, 1146-1153.	1.8	7
75	Psychobiology of HIV Infection. , 2007, , 1053-1076.		6
76	Î²-Adrenoceptor regulation of metabolism in U937 derived macrophages. <i>Molecular Omics</i> , 2021, 17, 583-595.	2.8	6
77	Long-term Consequences of the Acute Neural-Inflammatory Stress Response in the Cancer Surgical Patient: New Findings and Perspectives. <i>International Anesthesiology Clinics</i> , 2016, 54, 58-71.	0.8	4
78	Elucidating the mechanisms of psychosocial influences on cancer using preclinical in vivo models. <i>Current Opinion in Behavioral Sciences</i> , 2019, 28, 129-135.	3.9	4
79	Physical activity modulates mononuclear phagocytes in mammary tissue and inhibits tumor growth in mice. <i>PeerJ</i> , 2021, 9, e10725.	2.0	3
80	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> , 2021, 9, 7805-7820.	5.8	3
81	An <i>In Vivo</i> Mouse Model of Total Intravenous Anesthesia during Cancer Resection Surgery. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	1
82	Neuroimmune interactions at the crossroads of health and disease. <i>Immunology and Cell Biology</i> , 2021, 99, 922-923.	2.3	1
83	Autonomic Nervous System Influences on HIV Pathogenesis. , 2006, , 176-189.		0
84	Beta-Adrenergic Agonist Reduces the Deformability of Human Breast Cancer Cells. <i>Biophysical Journal</i> , 2016, 110, 128a-129a.	0.5	0
85	Response to the letter Re: Carvedilol blocks neural regulation of breast cancer progression <i>in vivo</i> and is associated with reduced breast cancer mortality in patients. <i>European Journal of Cancer</i> , 2021, 152, 252-254.	2.8	0
86	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> , 2018, WCP2018, PO2-14-6.	0.0	0
87	Integration of tumour sequencing and case-control data to assess pathogenicity of RAD51C missense variants in familial breast cancer. <i>Npj Breast Cancer</i> , 2022, 8, 10.	5.2	0
88	NSAID use and unnatural deaths after cancer diagnosis: a nationwide cohort study in Sweden. <i>BMC Cancer</i> , 2022, 22, 75.	2.6	0