Elizabeth A Repasky

List of Publications by Year
in descending order

117 papers	5,938 citations	87888 38 h-index	82547 72 g-index
119 all docs	119 docs citations	119 times ranked	6984 citing authors

#	Article	IF	Citations
1	Fever and the thermal regulation of immunity: the immune system feels the heat. Nature Reviews Immunology, 2015, 15, 335-349.	22.7	795
2	Baseline tumor growth and immune control in laboratory mice are significantly influenced by subthermoneutral housing temperature. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20176-20181.	7.1	260
3	IL-6 trans-signaling licenses mouse and human tumor microvascular gateways for trafficking of cytotoxic T cells. Journal of Clinical Investigation, 2011, 121, 3846-3859.	8.2	187
4	Temperature Matters! And Why It Should Matter to Tumor Immunologists. Cancer Immunology Research, 2013, 1, 210-216.	3.4	180
5	Î²-Adrenergic Signaling in Mice Housed at Standard Temperatures Suppresses an Effector Phenotype in CD8+ T Cells and Undermines Checkpoint Inhibitor Therapy. Cancer Research, 2017, 77, 5639-5651.	0.9	168
6	Characterization of Heat Shock Protein 110 and Glucose-Regulated Protein 170 as Cancer Vaccines and the Effect of Fever-Range Hyperthermia on Vaccine Activity. Journal of Immunology, 2001, 166, 490-497.	0.8	163
7	Î²2 adrenergic receptorâ€“mediated signaling regulates the immunosuppressive potential of myeloid-derived suppressor cells. Journal of Clinical Investigation, 2019, 129, 5537-5552.	8.2	141
8	Tumor cell apoptosis, lymphocyte recruitment and tumor vascular changes are induced by low temperature, long duration (fever-like) whole body hyperthermia. Journal of Cellular Physiology, 1998, 177, 137-147.	4.1	140
9	Effects of tumor necrosis factor-related apoptosis-inducing ligand alone and in combination with chemotherapeutic agents on patients' colon tumors grown in SCID mice. Cancer Research, 2002, 62, 5800-6.	0.9	136
10	A nervous tumor microenvironment: the impact of adrenergic stress on cancer cells, immunosuppression, and immunotherapeutic response. Cancer Immunology, Immunotherapy, 2014, 63, 1115-1128.	4.2	129
11	Fever-range hyperthermia dynamically regulates lymphocyte delivery to high endothelial venules. Blood, 2001, 97, 2727-2733.	1.4	125
12	Beta blocker use correlates with better overall survival in metastatic melanoma patients and improves the efficacy of immunotherapies in mice. OncoImmunology, 2018, 7, e1405205.	4.6	124
13	Housing temperature-induced stress drives therapeutic resistance in murine tumour models through Î²2-adrenergic receptor activation. Nature Communications, 2015, 6, 6426.	12.8	122
14	Enhancement of natural killer (NK) cell cytotoxicity by fever-range thermal stress is dependent on NKG2D function and is associated with plasma membrane NKG2D clustering and increased expression of MICA on target cells. Journal of Leukocyte Biology, 2007, 82, 1322-1331.	3.3	105
15	Mild Elevation of Body Temperature Reduces Tumor Interstitial Fluid Pressure and Hypoxia and Enhances Efficacy of Radiotherapy in Murine Tumor Models. Cancer Research, 2011, 71, 3872-3880.	0.9	105
16	Adrenergic Signaling: A Targetable Checkpoint Limiting Development of the Antitumor Immune Response. Frontiers in Immunology, 2018, 9, 164.	4.8	103
17	The anti-tumor effect of Apo2L/TRAIL on patient pancreatic adenocarcinomas grown as xenografts in SCID mice. Journal of Translational Medicine, 2005, 3, 22.	4.4	94
18	Î²-Adrenergic signaling blocks murine CD8+ T-cell metabolic reprogramming during activation: a mechanism for immunosuppression by adrenergic stress. Cancer Immunology, Immunotherapy, 2019, 68, 11-22.	4.2	94

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19	Hyperthermia as an immunotherapy strategy for cancer. Current Opinion in Investigational Drugs, 2009, 10, 550-8.	2.3	92
20	Thermoneutrality, Mice, and Cancer: A Heated Opinion. Trends in Cancer, 2016, 2, 166-175.	7.4	86
21	Regulatory Potential of Fever-Range Whole Body Hyperthermia on Langerhans Cells and Lymphocytes in an Antigen-Dependent Cellular Immune Response. Journal of Immunology, 2001, 167, 2666-2670.	0.8	82
22	Differentiation of CD8+ T cells into effector cells is enhanced by physiological range hyperthermia. Journal of Leukocyte Biology, 2011, 90, 951-962.	3.3	81
23	Emerging evidence indicates that physiologically relevant thermal stress regulates dendritic cell function. Cancer Immunology, Immunotherapy, 2006, 55, 292-298.	4.2	80
24	Hypoxia-driven immunosuppression: A new reason to use thermal therapy in the treatment of cancer?. International Journal of Hyperthermia, 2010, 26, 232-246.	2.5	80
25	Effector CD8⁺T cell IFN-Î³production and cytotoxicity are enhanced by mild hyperthermia. International Journal of Hyperthermia, 2012, 28, 9-18.	2.5	77
26	Phase I Clinical Trial of Combination Propranolol and Pembrolizumab in Locally Advanced and Metastatic Melanoma: Safety, Tolerability, and Preliminary Evidence of Antitumor Activity. Clinical Cancer Research, 2021, 27, 87-95.	7.0	72
27	Targeted immunotherapy using reconstituted chaperone complexes of heat shock protein 110 and melanoma-associated antigen gp100. Cancer Research, 2003, 63, 2553-60.	0.9	72
28	Dissecting the role of hyperthermia in natural killer cell mediated anti-tumor responses. International Journal of Hyperthermia, 2008, 24, 41-56.	2.5	68
29	Development of a recombinant HSP110-HER-2/neu vaccine using the chaperoning properties of HSP110. Cancer Research, 2002, 62, 1737-42.	0.9	67
30	Distribution of HSP70, protein kinase C, and spectrin is altered in lymphocytes during a fever-like hyperthermia exposure. , 1997, 172, 44-54.		60
31	Diverse immune mechanisms may contribute to the survival benefit seen in cancer patients receiving hyperthermia. Immunologic Research, 2010, 46, 137-154.	2.9	60
32	Elevation in Body Temperature to Fever Range Enhances and Prolongs Subsequent Responsiveness of Macrophages to Endotoxin Challenge. PLoS ONE, 2012, 7, e30077.	2.5	56
33	Chaperoning Function of Stress Protein grp170, a Member of the hsp70 Superfamily, Is Responsible for its Immunoadjuvant Activity. Cancer Research, 2006, 66, 1161-1168.	0.9	54
34	Generation of anti-tumor immunity using mammalian heat shock protein 70 DNA vaccines for cancer immunotherapy. Vaccine, 2006, 24, 5360-5370.	3.8	50
35	Stressful Presentations: Mild Cold Stress in Laboratory Mice Influences Phenotype of Dendritic Cells in NaÃ¯ve and Tumor-Bearing Mice. Frontiers in Immunology, 2014, 5, 23.	4.8	49
36	Housing Temperatureâ€“Induced Stress Is Suppressing Murine Graft-versus-Host Disease through Î²2-Adrenergic Receptor Signaling. Journal of Immunology, 2015, 195, 5045-5054.	0.8	48

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37	Characterization of native interaction of hsp110 with hsp25 and hsc70. FEBS Letters, 2000, 465, 98-102.	2.8	47
38	Î²2-adrenergic receptor signaling regulates metabolic pathways critical to myeloid-derived suppressor cell function within the TME. Cell Reports, 2021, 37, 109883.	6.4	45
39	Adrenergic stress constrains the development of anti-tumor immunity and abscopal responses following local radiation. Nature Communications, 2020, 11, 1821.	12.8	44
40	Chronic Adrenergic Stress Contributes to Metabolic Dysfunction and an Exhausted Phenotype in T Cells in the Tumor Microenvironment. Cancer Immunology Research, 2021, 9, 651-664.	3.4	43
41	Stress reduction strategies in breast cancer: review of pharmacologic and non-pharmacologic based strategies. Seminars in Immunopathology, 2020, 42, 719-734.	6.1	41
42	Physiological consequences of hyperthermia: heat, heat shock proteins and the immune response. International Journal of Hyperthermia, 2002, 18, 486-489.	2.5	40
43	Manipulation of Ambient Housing Temperature To Study the Impact of Chronic Stress on Immunity and Cancer in Mice. Journal of Immunology, 2019, 202, 631-636.	0.8	40
44	Comparison of the effects of two different whole body hyperthermia protocols on the distribution of murine leukocyte populations. International Journal of Hyperthermia, 2000, 16, 29-43.	2.5	39
45	An ABCG2 non-substrate anticancer agent FL118 targets drug-resistant cancer stem-like cells and overcomes treatment resistance of human pancreatic cancer. Journal of Experimental and Clinical Cancer Research, 2018, 37, 240.	8.6	38
46	Protocols for simulating the thermal component of fever: preclinical and clinical experience. Methods, 2004, 32, 54-62.	3.8	37
47	Elevating body temperature enhances hematopoiesis and neutrophil recovery after total body irradiation in an IL-1â€“, IL-17â€“, and G-CSFâ€“dependent manner. Blood, 2012, 120, 2600-2609.	1.4	37
48	A pilot study of the effects of mild systemic heating on human head and neck tumour xenografts: Analysis of tumour perfusion, interstitial fluid pressure, hypoxia and efficacy of radiation therapy. International Journal of Hyperthermia, 2015, 31, 693-701.	2.5	37
49	Toward establishment of temperature thresholds for immunological impact of heat exposure in humans. International Journal of Hyperthermia, 2011, 27, 344-352.	2.5	35
50	Feeling too hot or cold after breast cancer: Is it just a nuisance or a potentially important prognostic factor?. International Journal of Hyperthermia, 2010, 26, 662-680.	2.5	34
51	Stress, Metabolism and Cancer. Cancer Journal (Sudbury, Mass), 2015, 21, 97-103.	2.0	34
52	An overview of the role of sympathetic regulation of immune responses in infectious disease and autoimmunity. International Journal of Hyperthermia, 2018, 34, 135-143.	2.5	34
53	Fever-range whole body hyperthermia increases the number of perfused tumor blood vessels and therapeutic efficacy of liposomally encapsulated doxorubicin. International Journal of Hyperthermia, 2007, 23, 513-527.	2.5	33
54	Opposing roles for heat and heat shock proteins in macrophage functions during inflammation: a function of cell activation state?. Frontiers in Immunology, 2012, 3, 140.	4.8	33

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55	Mild coldâ€stress depresses immune responses: Implications for cancer models involving laboratory mice. BioEssays, 2014, 36, 884-891.	2.5	33
56	Temperature as a modulator of the gut microbiome: what are the implications and opportunities for thermal medicine?. International Journal of Hyperthermia, 2019, 36, 83-89.	2.5	31
57	Contribution of Immune Cells to Glucocorticoid Receptor Expression in Breast Cancer. International Journal of Molecular Sciences, 2020, 21, 4635.	4.1	30
58	Behaviorally mediated, warm adaptation: A physiological strategy when mice behaviorally thermoregulate. Journal of Thermal Biology, 2014, 44, 41-46.	2.5	28
59	Tumor-Priming Smoothened Inhibitor Enhances Deposition and Efficacy of Cytotoxic Nanoparticles in a Pancreatic Cancer Model. Molecular Cancer Therapeutics, 2016, 15, 84-93.	4.1	27
60	Adrenergic Receptor Signaling Regulates the Response of Tumors to Ionizing Radiation. Radiation Research, 2019, 191, 585.	1.5	27
61	Heat Shock Proteins and Cancer Immunotherapy. Immunological Investigations, 2000, 29, 131-137.	2.0	26
62	Nitric oxide production is regulated by fever-range thermal stimulation of murine macrophages. Journal of Leukocyte Biology, 2005, 78, 630-638.	3.3	25
63	The Impact of Housing Temperature-Induced Chronic Stress on Preclinical Mouse Tumor Models and Therapeutic Responses: An Important Role for the Nervous System. Advances in Experimental Medicine and Biology, 2017, 1036, 173-189.	1.6	25
64	Enhanced sensitivity of colon tumour cells to natural killer cell cytotoxicity after mild thermal stress is regulated through HSF1-mediated expression of MICA. International Journal of Hyperthermia, 2013, 29, 480-490.	2.5	24
65	Housing temperature influences the pattern of heat shock protein induction in mice following mild whole body hyperthermia. International Journal of Hyperthermia, 2014, 30, 540-546.	2.5	24
66	A role for the thermal environment in defining co-stimulation requirements for CD4+ T cell activation. Cell Cycle, 2015, 14, 2340-2354.	2.6	23
67	Association of significant financial burden with survival for head and neck cancer patients treated with radiation therapy. Oral Oncology, 2021, 115, 105196.	1.5	23
68	Effects of Hyperthermia on Spectrin Expression Patterns of Murine Lymphocytes. Radiation Research, 1987, 112, 116.	1.5	21
69	Impact of concomitant medication use and immune-related adverse events on response to immune checkpoint inhibitors. Immunotherapy, 2020, 12, 141-149.	2.0	21
70	Enhanced Thermogenesis in Triple-Negative Breast Cancer Is Associated with Pro-Tumor Immune Microenvironment. Cancers, 2021, 13, 2559.	3.7	21
71	Tumor priming by Apo2L/TRAIL reduces interstitial fluid pressure and enhances efficacy of liposomal gemcitabine in a patient derived xenograft tumor model. Journal of Controlled Release, 2015, 217, 160-169.	9.9	20
72	Heterogeneity of spectrin distribution among avian muscle fiber types. Muscle and Nerve, 1984, 7, 408-414.	2.2	19

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73	Evaluation of Optimal Threshold of Neutrophil-Lymphocyte Ratio and Its Association With Survival Outcomes Among Patients With Head and Neck Cancer. JAMA Network Open, 2022, 5, e227567.	5.9	19
74	Blockade of Host Î²2-Adrenergic Receptor Enhances Graft-versus-Tumor Effect through Modulating APCs. Journal of Immunology, 2018, 200, 2479-2488.	0.8	17
75	Genetic Variants in Immune-Related Pathways and Breast Cancer Risk in African American Women in the AMBER Consortium. Cancer Epidemiology Biomarkers and Prevention, 2018, 27, 321-330.	2.5	16
76	Standard Sub-Thermoneutral Caging Temperature Influences Radiosensitivity of Hematopoietic Stem and Progenitor Cells. PLoS ONE, 2015, 10, e0120078.	2.5	16
77	Use of Mild, Whole Body Hyperthermia in Cancer Therapy. Immunological Investigations, 2000, 29, 139-142.	2.0	15
78	Synergism of CPT-11 and Apo2L/TRAIL against Two Differentially Sensitive Human Colon Tumor Xenografts. Oncology, 2008, 74, 188-197.	1.9	15
79	Defining Immunological Impact and Therapeutic Benefit of Mild Heating in a Murine Model of Arthritis. PLoS ONE, 2015, 10, e0120327.	2.5	14
80	Focused ultrasound for immuno-adjuvant treatment of pancreatic cancer: An emerging clinical paradigm in the era of personalized oncotherapy. International Reviews of Immunology, 2017, 36, 338-351.	3.3	14
81	Highlighting the Potential for Chronic Stress to Minimize Therapeutic Responses to Radiotherapy through Increased Immunosuppression and Radiation Resistance. Cancers, 2020, 12, 3853.	3.7	14
82	Effects of denervation on spectrin concentration in avian skeletal muscle. Muscle and Nerve, 1988, 11, 372-379.	2.2	13
83	HSP70 Translocates into a cytoplasmic aggregate during lymphocyte activation. Journal of Cellular Physiology, 1995, 165, 228-238.	4.1	13
84	The Anti-Tumor Effect of Interleukin-12 is Enhanced by Mild (Fever-Range) Thermal Therapy. Immunological Investigations, 2005, 34, 361-380.	2.0	13
85	Influence of the Implantation Site on the Sensitivity of Patient Pancreatic Tumor Xenografts to Apo2L/TRAIL Therapy. Pancreas, 2014, 43, 298-305.	1.1	13
86	Î²2-Adrenergic receptor activation on donor cells ameliorates acute GvHD. JCI Insight, 2020, 5, .	5.0	13
87	The Potential of the Tumor Microenvironment to Influence Apo2L/TRAIL Induced Apoptosis. Immunological Investigations, 2006, 35, 279-296.	2.0	12
88	Comparing thermal stress reduction strategies that influence MDSC accumulation in tumor bearing mice. Cellular Immunology, 2021, 361, 104285.	3.0	12
89	Enhanced tumour perfusion following treatment with water-filtered IR-A radiation to the thorax in a patient with head and neck cancer. International Journal of Hyperthermia, 2016, 32, 539-542.	2.5	11
90	Pancreatic cancer stem cells in patient pancreatic xenografts are sensitive to drozitumab, an agonistic antibody against DR5. , 2016, 4, 33.		11

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91	Financial Counseling Is Associated with Reduced Financial Difficulty Scores in Head and Neck Cancer Patients Treated with Radiation Therapy. Cancers, 2021, 13, 2516.	3.7	11
92	Fever-range whole body hyperthermia prevents the onset of type 1 diabetes in non-obese diabetic mice. International Journal of Hyperthermia, 2008, 24, 141-149.	2.5	10
93	Progress in development of biomedical applications of heat shock proteins and thermal stress. International Journal of Hyperthermia, 2013, 29, 359-361.	2.5	10
94	Matched pair analysis to evaluate the impact of hospitalization during radiation therapy as an early marker of survival in head and neck cancer patients. Oral Oncology, 2020, 109, 104854.	1.5	10
95	Neoadjuvant In Situ Immunomodulation Enhances Systemic Antitumor Immunity against Highly Metastatic Tumors. Cancer Research, 2021, 81, 6183-6195.	0.9	9
96	Host-Derived Serine Protease Inhibitor 6 Provides Granzyme Bâ€“Independent Protection of Intestinal Epithelial Cells in Murine Graft-versus-Host Disease. Biology of Blood and Marrow Transplantation, 2018, 24, 2397-2408.	2.0	8
97	Depression Stresses the Immune Response and Promotes Prostate Cancer Growth. Clinical Cancer Research, 2019, 25, 2363-2365.	7.0	8
98	Daily Time of Radiation Treatment Is Associated with Subsequent Oral Mucositis Severity during Radiotherapy in Head and Neck Cancer Patients. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 949-955.	2.5	8
99	Immunologically programming the tumor microenvironment induces the pattern recognition receptor NLRC4-dependent antitumor immunity. , 2021, 9, e001595.		8
100	Stimulation of an anti-tumor immune response with â€œchromatin-damagingâ€•therapy. Cancer Immunology, Immunotherapy, 2021, 70, 2073-2086.	4.2	8
101	Concurrent Î²-blocker Use is Associated With Improved Outcome in Esophageal Cancer Patients Who Undergo Chemoradiation. American Journal of Clinical Oncology: Cancer Clinical Trials, 2020, 43, 889-894.	1.3	7
102	Polarized expression of immunoglobulin, spectrin, and protein kinase C beta II occurs in B cells from normal BALB/c, autoimmune lpr, and anti-ssDNA transgenic, tolerant mice. Journal of Leukocyte Biology, 1999, 66, 617-624.	3.3	6
103	A Principal Component of Quality of Life Measures Is Associated with Survival for Head and Neck Cancer Patients Treated with Radiation Therapy. Cancers, 2021, 13, 1155.	3.7	5
104	Using Mice to Model Human Disease: Understanding the Roles of Baseline Housing-Induced and Experimentally Imposed Stresses in Animal Welfare and Experimental Reproducibility. Animals, 2022, 12, 371.	2.3	5
105	Immune profiling in diffuse large B-cell lymphoma and mantle cell lymphoma patients treated with autologous hematopoietic cell transplant. Bone Marrow Transplantation, 2020, 55, 77-85.	2.4	4
106	Recombinant human Hsp110-gp100 chaperone complex vaccine is nontoxic and induces response in advanced stage melanoma patients. Melanoma Research, 2022, 32, 88-97.	1.2	4
107	Isolation of human and mouse myeloid-derived suppressor cells for metabolic analysis. STAR Protocols, 2022, 3, 101389.	1.2	4
108	How murine models of human disease and immunity are influenced by housing temperature and mild thermal stress. Temperature, 2023, 10, 166-178.	3.0	4

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109	Psychosocial stress and immunosuppression in cancer: what can we learn from new research?. BJ Psych Advances, 2021, 27, 187-197.	0.7	3
110	Temperature Matters: Cellular Targets of Hyperthermia in Cancer Biology and Immunology. Heat Shock Proteins, 2009, , 267-306.	0.2	3
111	Î²2- Adrenergic Signaling Regulates Graft Versus Host Disease after Allogenic Transplantation While Preserving Graft Versus Leukemia Effect. Blood, 2019, 134, 1915-1915.	1.4	3
112	Circadian Rhythm Disruption Increases Tumor Growth Rate and Accumulation of Myeloidâ€Derived Suppressor Cells. Advanced Biology, 2022, 6, .	2.5	3
113	How does temperature affect the function of tissue macrophages?. , 2011, , .		1
114	Pan-Cancer Characterization of Intratumoral Autonomic Innervation in 32 Cancer Types in the Cancer Genome Atlas. Cancers, 2022, 14, 2541.	3.7	1
115	The Influence Of Metabolic Stress On Radiosensitivity Of Hematopoietic Stem and Progenitor Cells. Blood, 2013, 122, 2447-2447.	1.4	0
116	Housing Mice At Sub-Thermoneutral Temperatures Influences Severity Of Gvhd In Mouse Models. Blood, 2013, 122, 5422-5422.	1.4	0
117	Galectin-3 Signaling in Donor T Cells Regulates Acute Graft Versus Host Disease (aGvHD) after Allogenic Transplantation. Blood, 2021, 138, 2765-2765.	1.4	0