

Julie Gehl

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

10,152
citations

41339

49
h-index

33889

99
g-index

119
all docs

119
docs citations

119
times ranked

7486
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency gene transfer into skeletal muscle mediated by electric pulses. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4262-4267.	7.1	865
2	Electroporation: theory and methods, perspectives for drug delivery, gene therapy and research. Acta Physiologica Scandinavica, 2003, 177, 437-447.	2.2	731
3	Electrochemotherapy "An easy, highly effective and safe treatment of cutaneous and subcutaneous metastases: Results of ESOPE (European Standard Operating Procedures of Electrochemotherapy) study. European Journal of Cancer, Supplement, 2006, 4, 3-13.	2.2	713
4	Voluntary Running Suppresses Tumor Growth through Epinephrine- and IL-6-Dependent NK Cell Mobilization and Redistribution. Cell Metabolism, 2016, 23, 554-562.	16.2	572
5	Electrochemotherapy: results of cancer treatment using enhanced delivery of bleomycin by electroporation. Cancer Treatment Reviews, 2003, 29, 371-387.	7.7	481
6	Standard operating procedures of the electrochemotherapy: Instructions for the use of bleomycin or cisplatin administered either systemically or locally and electric pulses delivered by the Cliniporator™ by means of invasive or non-invasive electrodes. European Journal of Cancer, Supplement, 2006, 4, 14-25.	2.2	474
7	Molecular Mechanisms Linking Exercise to Cancer Prevention and Treatment. Cell Metabolism, 2018, 27, 10-21.	16.2	333
8	Elevated neutrophil and monocyte counts in peripheral blood are associated with poor survival in patients with metastatic melanoma: a prognostic model. British Journal of Cancer, 2005, 93, 273-278.	6.4	287
9	Updated standard operating procedures for electrochemotherapy of cutaneous tumours and skin metastases. Acta Oncologica, 2018, 57, 874-882.	1.8	256
10	Combined doxorubicin and paclitaxel in advanced breast cancer: Effective and cardiotoxic. Annals of Oncology, 1996, 7, 687-693.	1.2	216
11	In vivo electroporation of skeletal muscle: threshold, efficacy and relation to electric field distribution. Biochimica Et Biophysica Acta - General Subjects, 1999, 1428, 233-240.	2.4	210
12	Electrochemotherapy: technological advancements for efficient electroporation-based treatment of internal tumors. Medical and Biological Engineering and Computing, 2012, 50, 1213-1225.	2.8	188
13	Enhancement of cytotoxicity by electropermeabilization. Anti-Cancer Drugs, 1998, 9, 319-326.	1.4	185
14	Vascular reactions to in vivo electroporation: characterization and consequences for drug and gene delivery. Biochimica Et Biophysica Acta - General Subjects, 2002, 1569, 51-58.	2.4	177
15	Direct Therapeutic Applications of Calcium Electroporation to Effectively Induce Tumor Necrosis. Cancer Research, 2012, 72, 1336-1341.	0.9	177
16	Association between Interleukin-15 and Obesity: Interleukin-15 as a Potential Regulator of Fat Mass. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 4486-4493.	3.6	169
17	Efficient palliation of haemorrhaging malignant melanoma skin metastases by electrochemotherapy. Melanoma Research, 2000, 10, 585-589.	1.2	150
18	Efficiency of High- and Low-Voltage Pulse Combinations for Gene Electrotransfer in Muscle, Liver, Tumor, and Skin. Human Gene Therapy, 2008, 19, 1261-1272.	2.7	145

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19	European Research on Electrochemotherapy in Head and Neck Cancer (EURECA) project: Results of the treatment of skin cancer. <i>European Journal of Cancer</i> , 2016, 63, 41-52.	2.8	137
20	Determination of Optimal Parameters for in Vivo Gene Transfer by Electroporation, Using a Rapid in Vivo Test for Cell Permeabilization. <i>Biochemical and Biophysical Research Communications</i> , 1999, 261, 377-380.	2.1	133
21	Management of cutaneous metastases using electrochemotherapy. <i>Acta OncolÃ³gica</i> , 2011, 50, 621-629.	1.8	133
22	Electric Pulseâ€Mediated Gene Delivery to Various Animal Tissues. <i>Advances in Genetics</i> , 2005, 54, 83-114.	1.8	123
23	Exercise-Induced Catecholamines Activate the Hippo Tumor Suppressor Pathway to Reduce Risks of Breast Cancer Development. <i>Cancer Research</i> , 2017, 77, 4894-4904.	0.9	117
24	Electrochemotherapy for large cutaneous recurrence of breast cancer: A phase II clinical trial. <i>Acta OncolÃ³gica</i> , 2012, 51, 713-721.	1.8	113
25	Recommendations for improving the quality of reporting clinical electrochemotherapy studies based on qualitative systematic review. <i>Radiology and Oncology</i> , 2016, 50, 1-13.	1.7	101
26	Gene Electrotransfer to Skin; Review of Existing Literature and Clinical Perspectives. <i>Current Gene Therapy</i> , 2010, 10, 287-299.	2.0	96
27	Calcium Electroporation: Evidence for Differential Effects in Normal and Malignant Cell Lines, Evaluated in a 3D Spheroid Model. <i>PLoS ONE</i> , 2015, 10, e0144028.	2.5	88
28	Preclinical Validation of Electrochemotherapy as an Effective Treatment for Brain Tumors. <i>Cancer Research</i> , 2011, 71, 3753-3762.	0.9	86
29	Calcium electroporation for treatment of cutaneous metastases; a randomized double-blinded phase II study, comparing the effect of calcium electroporation with electrochemotherapy. <i>Acta OncolÃ³gica</i> , 2018, 57, 311-319.	1.8	85
30	Electrochemotherapy in the treatment of metastatic malignant melanoma: a prospective cohort study by InspECT. <i>British Journal of Dermatology</i> , 2017, 176, 1475-1485.	1.5	84
31	A Comprehensive Review of Calcium Electroporationâ€A Novel Cancer Treatment Modality. <i>Cancers</i> , 2020, 12, 290.	3.7	81
32	Erythropoietin Over-Expression Protects against Diet-Induced Obesity in Mice through Increased Fat Oxidation in Muscles. <i>PLoS ONE</i> , 2009, 4, e5894.	2.5	80
33	EFFICIENCY OF HIGH AND LOW VOLTAGE PULSE COMBINATIONS FOR GENE ELECTROTRANSFER IN MUSCLE, LIVER, TUMOR AND SKIN. <i>Human Gene Therapy</i> , 2008, 19, 081015093227032.	2.7	74
34	Dynamic changes of specific T cell responses to melanoma correlate with IL-2 administration. <i>Seminars in Cancer Biology</i> , 2003, 13, 449-459.	9.6	73
35	European Research on Electrochemotherapy in Head and Neck Cancer (EURECA) project: Results from the treatment of mucosal cancers. <i>European Journal of Cancer</i> , 2017, 87, 172-181.	2.8	72
36	Physiological Effects of High- and Low-Voltage Pulse Combinations for Gene Electrotransfer in Muscle. <i>Human Gene Therapy</i> , 2008, 19, 1249-1260.	2.7	69

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37	What you always needed to know about electroporation based DNA vaccines. <i>Human Vaccines and Immunotherapeutics</i> , 2012, 8, 1694-1702.	3.3	68
38	Dose-Dependent ATP Depletion and Cancer Cell Death following Calcium Electroporation, Relative Effect of Calcium Concentration and Electric Field Strength. <i>PLoS ONE</i> , 2015, 10, e0122973.	2.5	68
39	Electrochemotherapy and calcium electroporation inducing a systemic immune response with local and distant remission of tumors in a patient with malignant melanoma – a case report. <i>Acta Oncologica</i> , 2017, 56, 1126-1131.	1.8	67
40	Gene Electrotransfer of Plasmid Antiangiogenic Metargidin Peptide (AMEP) in Disseminated Melanoma: Safety and Efficacy Results of a Phase I First-in-Man Study. <i>Human Gene Therapy Clinical Development</i> , 2013, 24, 99-107.	3.1	64
41	Electroporation for Drug and Gene Delivery in the Clinic: Doctors Go Electric. <i>Methods in Molecular Biology</i> , 2008, 423, 351-359.	0.9	62
42	Normal and Malignant Cells Exhibit Differential Responses to Calcium Electroporation. <i>Cancer Research</i> , 2017, 77, 4389-4401.	0.9	61
43	Sensitive and precise regulation of haemoglobin after gene transfer of erythropoietin to muscle tissue using electroporation. <i>Gene Therapy</i> , 2007, 14, 950-959.	4.5	60
44	Electrochemotherapy in the treatment of cutaneous malignancy: Outcomes and subgroup analysis from the cumulative results from the pan-European International Network for Sharing Practice in Electrochemotherapy database for 2482 lesions in 987 patients (2008–2019). <i>European Journal of Cancer</i> , 2020, 138, 30-40.	2.8	60
45	Calcium electroporation in three cell lines: a comparison of bleomycin and calcium, calcium compounds, and pulsing conditions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1204-1208.	2.4	58
46	Predicting patients at risk for pain associated with electrochemotherapy. <i>Acta Oncologica</i> , 2015, 54, 298-306.	1.8	57
47	Calcium electroporation and electrochemotherapy for cancer treatment: Importance of cell membrane composition investigated by lipidomics, calorimetry and in vitro efficacy. <i>Scientific Reports</i> , 2019, 9, 4758.	3.3	56
48	Calcium electroporation induces tumor eradication, long-lasting immunity and cytokine responses in the CT26 colon cancer mouse model. <i>Oncot Immunology</i> , 2017, 6, e1301332.	4.6	54
49	Traffic-Related Air Pollution: Exposure and Health Effects in Copenhagen Street Cleaners and Cemetery Workers. <i>Archives of Environmental Health</i> , 1995, 50, 207-213.	0.4	51
50	Multiple brain metastases - current management and perspectives for treatment with electrochemotherapy. <i>Radiology and Oncology</i> , 2012, 46, 271-278.	1.7	49
51	Serum interleukin-6 as a prognostic biomarker in patients with metastatic melanoma. <i>Melanoma Research</i> , 2012, 22, 287-293.	1.2	48
52	Optimizing clinical performance and geometrical robustness of a new electrode device for intracranial tumor electroporation. <i>Bioelectrochemistry</i> , 2011, 81, 10-16.	4.6	45
53	Bleomycin treatment of brain tumors: an evaluation. <i>Anti-Cancer Drugs</i> , 2009, 20, 157-164.	1.4	44
54	Electrochemotherapy of unresectable cutaneous tumours with reduced dosages of intravenous bleomycin: analysis of 57 patients from the International Network for Sharing Practices of Electrochemotherapy registry. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2018, 32, 1147-1154.	2.4	44

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55	Calcium electroporation for treatment of sarcoma in preclinical studies. <i>Oncotarget</i> , 2018, 9, 11604-11618.	1.8	43
56	Over-expression of Follistatin-like 3 attenuates fat accumulation and improves insulin sensitivity in mice. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 283-295.	3.4	41
57	Duration and level of transgene expression after gene electrotransfer to skin in mice. <i>Gene Therapy</i> , 2010, 17, 839-845.	4.5	39
58	Voluntary Exercise Prevents Cisplatin-Induced Muscle Wasting during Chemotherapy in Mice. <i>PLoS ONE</i> , 2014, 9, e109030.	2.5	39
59	Effect of calcium electroporation on tumour vasculature. <i>Scientific Reports</i> , 2018, 8, 9412.	3.3	39
60	Calcium electroporation for recurrent head and neck cancer: A clinical phase I study. <i>Laryngoscope Investigative Otolaryngology</i> , 2019, 4, 49-56.	1.5	39
61	Effect of calcium electroporation in combination with metformin in vivo and correlation between viability and intracellular ATP level after calcium electroporation in vitro. <i>PLoS ONE</i> , 2017, 12, e0181839.	2.5	39
62	Difference in Membrane Repair Capacity Between Cancer Cell Lines and a Normal Cell Line. <i>Journal of Membrane Biology</i> , 2016, 249, 569-576.	2.1	36
63	Electrochemotherapy for Breast Cancer—Results From the INSPECT Database. <i>Clinical Breast Cancer</i> , 2018, 18, e909-e917.	2.4	35
64	ESOPE-Equivalent Pulsing Protocols for Calcium Electroporation: An <i>In Vitro</i> Optimization Study on 2 Cancer Cell Models. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381878807.	1.9	35
65	Palliation of haemorrhaging and ulcerated cutaneous tumours using electrochemotherapy. <i>European Journal of Cancer, Supplement</i> , 2006, 4, 35-37.	2.2	34
66	Therapeutic levels of erythropoietin (EPO) achieved after gene electrotransfer to skin in mice. <i>Gene Therapy</i> , 2010, 17, 1077-1084.	4.5	34
67	Evaluation of Calcium Electroporation for the Treatment of Cutaneous Metastases: A Double Blinded Randomised Controlled Phase II Trial. <i>Cancers</i> , 2020, 12, 179.	3.7	34
68	Endoscopic electrochemotherapy for esophageal cancer: a phase I clinical study. <i>Endoscopy International Open</i> , 2018, 06, E727-E734.	1.8	32
69	A Review on Differences in Effects on Normal and Malignant Cells and Tissues to Electroporation-Based Therapies: A Focus on Calcium Electroporation. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381878807.	1.9	29
70	<i>In Vitro</i> and <i>In Vivo</i> Experiments on Electrochemotherapy for Bladder Cancer. <i>Journal of Urology</i> , 2015, 193, 1009-1015.	0.4	27
71	Electrochemotherapy for colorectal cancer using endoscopic electroporation: a phase 1 clinical study. <i>Endoscopy International Open</i> , 2020, 08, E124-E132.	1.8	27
72	Persistence of survivin specific T cells for seven years in a melanoma patient During complete remission. <i>Cancer Biology and Therapy</i> , 2006, 5, 480-482.	3.4	24

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73	Progressive resistance training in head and neck cancer patients undergoing concomitant chemoradiotherapy. <i>Laryngoscope Investigative Otolaryngology</i> , 2017, 2, 295-306.	1.5	24
74	Tet-On Induction with Doxycycline after Gene Transfer in Mice: Sweetening of Drinking Water is not a Good Idea. <i>Animal Biotechnology</i> , 2007, 18, 183-188.	1.5	23
75	Diffusion-Weighted MRI for Verification of Electroporation-Based Treatments. <i>Journal of Membrane Biology</i> , 2011, 240, 131-138.	2.1	22
76	Progressive resistance training in head and neck cancer patients during concomitant chemoradiotherapy -- design of the DAHANCA 31 randomized trial. <i>BMC Cancer</i> , 2017, 17, 400.	2.6	21
77	Calcium Electrotransfer for Termination of Transgene Expression in Muscle. <i>Human Gene Therapy</i> , 2011, 22, 753-760.	2.7	20
78	Voluntary wheel running can lead to modulation of immune checkpoint molecule expression. <i>Acta Oncologica</i> , 2020, 59, 1447-1454.	1.8	18
79	Electroporation enhances mitomycin C cytotoxicity on T24 bladder cancer cell line: A potential improvement of intravesical chemotherapy in bladder cancer. <i>Bioelectrochemistry</i> , 2012, 88, 127-133.	4.6	17
80	Dual time point imaging fluorine-18 flourodeoxyglucose positron emission tomography for evaluation of large loco-regional recurrences of breast cancer treated with electrochemotherapy. <i>Radiology and Oncology</i> , 2013, 47, 358-365.	1.7	17
81	Detection of electroporation-induced membrane permeabilization states in the brain using diffusion-weighted MRI. <i>Acta Oncologica</i> , 2015, 54, 289-297.	1.8	16
82	The DAHANCA 32 study: Electrochemotherapy for recurrent mucosal head and neck cancer. <i>Head and Neck</i> , 2019, 41, 329-339.	2.0	16
83	Outcomes of older adults aged 90 and over with cutaneous malignancies after electrochemotherapy with bleomycin: A matched cohort analysis from the InspECT registry. <i>European Journal of Surgical Oncology</i> , 2021, 47, 902-912.	1.0	15
84	Investigation of the mechanisms of action behind Electromotive Drug Administration (EMDA). <i>PeerJ</i> , 2016, 4, e2309.	2.0	15
85	Anticancer drugs and the regulation of Hedgehog genes GLI1 and PTCH1, a comparative study in nonmelanoma skin cancer cell lines. <i>Anti-Cancer Drugs</i> , 2017, 28, 1106-1117.	1.4	14
86	The Gastric Acid Secretagogue Gastrin-Releasing Peptide and the Inhibitor Oxyntomodulin Do Not Exert Their Effect Directly on the Parietal Cell in the Rat. <i>Digestion</i> , 1988, 40, 144-151.	2.3	13
87	Electrochemotherapy of mucosal head and neck tumors: a systematic review. <i>Acta Oncologica</i> , 2016, 55, 1266-1272.	1.8	13
88	Re-biopsy after first line treatment in advanced NSCLC can reveal changes in PD-L1 expression. <i>Lung Cancer</i> , 2020, 149, 23-32.	2.0	13
89	Study protocol designed to investigate tumour response to calcium electroporation in cancers affecting the skin: a non-randomised phase II clinical trial. <i>BMJ Open</i> , 2021, 11, e046779.	1.9	13
90	Gene Electrotransfer in Clinical Trials. <i>Methods in Molecular Biology</i> , 2014, 1121, 241-246.	0.9	13

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91	In Vivo Imaging of Far-red Fluorescent Proteins after DNA Electrotransfer to Muscle Tissue. <i>Biological Procedures Online</i> , 2009, 11, 253-262.	2.9	11
92	Gene therapy for patients with advanced solid tumors: a phase I study using gene electrotransfer to muscle with the integrin inhibitor plasmid AMEP. <i>Acta Oncologica</i> , 2017, 56, 909-916.	1.8	11
93	Electroporation Enhanced Effect of Dystrophin Splice Switching PNA Oligomers in Normal and Dystrophic Muscle. <i>Molecular Therapy - Nucleic Acids</i> , 2015, 4, e267.	5.1	10
94	Exercise-Mediated Lowering of Glutamine Availability Suppresses Tumor Growth and Attenuates Muscle Wasting. <i>IScience</i> , 2020, 23, 100978.	4.1	10
95	Spatial Distribution of Transgenic Protein After Gene Electrotransfer to Porcine Muscle. <i>Human Gene Therapy Methods</i> , 2012, 23, 387-392.	2.1	9
96	Exercise training as prophylactic strategy in the management of neutropenia during chemotherapy. <i>British Journal of Pharmacology</i> , 2022, 179, 2925-2937.	5.4	9
97	Change in Hemoglobin Levels due to Anesthesia in Mice: An Important Confounder in Studies on Hematopoietic Drugs. <i>Biological Procedures Online</i> , 2009, 11, 325-30.	2.9	8
98	Voluntary Wheel Running Reduces the Acute Inflammatory Response to Liver Carcinogen in a Sex-specific Manner. <i>Cancer Prevention Research</i> , 2017, 10, 719-728.	1.5	8
99	Calcium Electroporation of Equine Sarcoids. <i>Animals</i> , 2020, 10, 517.	2.3	8
100	Calcium Electroporation for Keloids: A First-in-Man Phase I Study. <i>Dermatology</i> , 2021, 237, 961-969.	2.1	8
101	Neglected Giant Scalp Basal Cell Carcinoma. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2014, 2, e120.	0.6	7
102	Paclitaxel and doxorubicin in metastatic breast cancer. <i>Seminars in Oncology</i> , 1996, 23, 35-8.	2.2	4
103	Exercise suppresses tumor growth independent of high fat food intake and associated immune dysfunction. <i>Scientific Reports</i> , 2022, 12, 5476.	3.3	3
104	Actionable Molecular Alterations Are Revealed in Majority of Advanced Non-Small Cell Lung Cancer Patients by Genomic Tumor Profiling at Progression after First Line Treatment. <i>Cancers</i> , 2022, 14, 132.	3.7	3
105	Electrochemotherapy for metastatic cutaneous melanoma. <i>Acta Oncologica</i> , 2022, 61, 531-532.	1.8	3
106	Tumor reduction and symptom relief after electrochemotherapy in a patient with aggressive fibromatosis – a case report. <i>Acta Oncologica</i> , 2018, 57, 431-434.	1.8	2
107	New Drugs for Electrochemotherapy with Emphasis on Calcium Electroporation. , 2017, , 1637-1650.		1
108	Prospective cohort study by InspECT on safety and efficacy of electrochemotherapy for cutaneous tumors and metastases depending on ulceration. <i>JDDG - Journal of the German Society of Dermatology</i> , 2022, 20, 470-481.	0.8	1

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109	Feasibility of progressive resistance training in patients undergoing concurrent chemoradiotherapy for head and neck cancer.. Journal of Clinical Oncology, 2015, 33, e17015-e17015.	1.6	0
110	New Drugs for Electrochemotherapy with Emphasis on Calcium Electroporation. , 2016, , 1-13.		0
111	Progressive resistance training in head and neck cancer patients undergoing concomitant chemoradiotherapy.. Journal of Clinical Oncology, 2016, 34, e17534-e17534.	1.6	0
112	Calcium Electroporation in Veterinary Medicine. , 2021, , 145-164.		0
113	Prospektive Kohortenstudie von InspECT zur Sicherheit und Wirksamkeit der Elektrochemotherapie bei Hauttumoren und Metastasen in Abhängigkeit von Ulzeration. JDDG - Journal of the German Society of Dermatology, 2022, 20, 470-482.	0.8	0