

# Julie Gehl

## List of Publications by Year in descending order

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113  
papers

10,152  
citations

41344

49  
h-index

33894

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 â€œ 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 <sup>TM</sup> 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 Oncol</i> , 2011, 50, 621-629.	1.8	133
22	Electric Pulse-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 Oncol</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 Oncol</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 Electroporation—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. Human Vaccines and Immunotherapeutics, 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. PLoS ONE, 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. Acta Oncologica, 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. Human Gene Therapy Clinical Development, 2013, 24, 99-107.	3.1	64
41	Electroporation for Drug and Gene Delivery in the Clinic: Doctors Go Electric. Methods in Molecular Biology, 2008, 423, 351-359.	0.9	62
42	Normal and Malignant Cells Exhibit Differential Responses to Calcium Electroporation. Cancer Research, 2017, 77, 4389-4401.	0.9	61
43	Sensitive and precise regulation of haemoglobin after gene transfer of erythropoietin to muscle tissue using electroporation. Gene Therapy, 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). European Journal of Cancer, 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. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 1204-1208.	2.4	58
46	Predicting patients at risk for pain associated with electrochemotherapy. Acta Oncologica, 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. Scientific Reports, 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. Oncoimmunology, 2017, 6, e1301332.	4.6	54
49	Traffic-Related Air Pollution: Exposure and Health Effects in Copenhagen Street Cleaners and Cemetery Workers. Archives of Environmental Health, 1995, 50, 207-213.	0.4	51
50	Multiple brain metastases - current management and perspectives for treatment with electrochemotherapy. Radiology and Oncology, 2012, 46, 271-278.	1.7	49
51	Serum interleukin-6 as a prognostic biomarker in patients with metastatic melanoma. Melanoma Research, 2012, 22, 287-293.	1.2	48
52	Optimizing clinical performance and geometrical robustness of a new electrode device for intracranial tumor electroporation. Bioelectrochemistry, 2011, 81, 10-16.	4.6	45
53	Bleomycin treatment of brain tumors: an evaluation. Anti-Cancer Drugs, 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. Journal of the European Academy of Dermatology and Venereology, 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	ESOP-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</i> , Supplement, 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 Oncol</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 Oncol</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 Oncol</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. Biological Procedures Online, 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. Acta Oncologica, 2017, 56, 909-916.	1.8	11
93	Electroporation Enhanced Effect of Dystrophin Splice Switching PNA Oligomers in Normal and Dystrophic Muscle. Molecular Therapy - Nucleic Acids, 2015, 4, e267.	5.1	10
94	Exercise-Mediated Lowering of Glutamine Availability Suppresses Tumor Growth and Attenuates Muscle Wasting. IScience, 2020, 23, 100978.	4.1	10
95	Spatial Distribution of Transgenic Protein After Gene Electrotransfer to Porcine Muscle. Human Gene Therapy Methods, 2012, 23, 387-392.	2.1	9
96	Exercise training as prophylactic strategy in the management of neutropenia during chemotherapy. British Journal of Pharmacology, 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. Biological Procedures Online, 2009, 11, 325-30.	2.9	8
98	Voluntary Wheel Running Reduces the Acute Inflammatory Response to Liver Carcinogen in a Sex-specific Manner. Cancer Prevention Research, 2017, 10, 719-728.	1.5	8
99	Calcium Electroporation of Equine Sarcoids. Animals, 2020, 10, 517.	2.3	8
100	Calcium Electroporation for Keloids: A First-in-Man Phase I Study. Dermatology, 2021, 237, 961-969.	2.1	8
101	Neglected Giant Scalp Basal Cell Carcinoma. Plastic and Reconstructive Surgery - Global Open, 2014, 2, e120.	0.6	7
102	Paclitaxel and doxorubicin in metastatic breast cancer. Seminars in Oncology, 1996, 23, 35-8.	2.2	4
103	Exercise suppresses tumor growth independent of high fat food intake and associated immune dysfunction. Scientific Reports, 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. Cancers, 2022, 14, 132.	3.7	3
105	Electrochemotherapy for metastatic cutaneous melanoma. Acta Oncologica, 2022, 61, 531-532.	1.8	3
106	Tumor reduction and symptom relief after electrochemotherapy in a patient with aggressive fibromatosis – a case report. Acta Oncologica, 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. JDDG - Journal of the German Society of Dermatology, 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