

Gregor Sersa

List of Publications by Year in descending order

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289
papers

13,782
citations

20817

60
h-index

28297

105
g-index

297
all docs

297
docs citations

297
times ranked

6016
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemotherapy – An easy, highly effective and safe treatment of cutaneous and subcutaneous metastases: Results of ESOPE (European Standard Operating Procedures of Electrochemotherapy) study. <i>European Journal of Cancer, Supplement</i> , 2006, 4, 3-13.	2.2	713
2	Electroporation-Based Technologies for Medicine: Principles, Applications, and Challenges. <i>Annual Review of Biomedical Engineering</i> , 2014, 16, 295-320.	12.3	655
3	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. <i>European Journal of Cancer, Supplement</i> , 2006, 4, 14-25.	2.2	474
4	Effective treatment of cutaneous and subcutaneous malignant tumours by electrochemotherapy. <i>British Journal of Cancer</i> , 1998, 77, 2336-2342.	6.4	414
5	Electrochemotherapy in treatment of tumours. <i>European Journal of Surgical Oncology</i> , 2008, 34, 232-240.	1.0	394
6	Antitumor effectiveness of electrochemotherapy: A systematic review and meta-analysis. <i>European Journal of Surgical Oncology</i> , 2013, 39, 4-16.	1.0	309
7	Electrochemotherapy: from the drawing board into medical practice. <i>BioMedical Engineering OnLine</i> , 2014, 13, 29.	2.7	284
8	Updated standard operating procedures for electrochemotherapy of cutaneous tumours and skin metastases. <i>Acta Oncologica</i> , 2018, 57, 874-882.	1.8	256
9	The Importance of Electric Field Distribution for Effective in Vivo Electroporation of Tissues. <i>Biophysical Journal</i> , 1998, 74, 2152-2158.	0.5	236
10	Antitumor effectiveness of electrochemotherapy with cis-diamminedichloroplatinum(II) in mice. <i>Cancer Research</i> , 1995, 55, 3450-5.	0.9	214
11	Electrochemotherapy: technological advancements for efficient electroporation-based treatment of internal tumors. <i>Medical and Biological Engineering and Computing</i> , 2012, 50, 1213-1225.	2.8	188
12	Vascular disrupting action of electroporation and electrochemotherapy with bleomycin in murine sarcoma. <i>British Journal of Cancer</i> , 2008, 98, 388-398.	6.4	187
13	Clinical potential of electroporation for gene therapy and DNA vaccine delivery. <i>Expert Opinion on Drug Delivery</i> , 2016, 13, 295-310.	5.0	183
14	Antivascular effects of electrochemotherapy: implications in treatment of bleeding metastases. <i>Expert Review of Anticancer Therapy</i> , 2010, 10, 729-746.	2.4	177
15	Magnetic nanoparticles as targeted delivery systems in oncology. <i>Radiology and Oncology</i> , 2011, 45, 1-16.	1.7	168
16	Towards treatment planning and treatment of deep-seated solid tumors by electrochemotherapy. <i>BioMedical Engineering OnLine</i> , 2010, 9, 10.	2.7	165
17	Electrochemotherapy: A New Technological Approach in Treatment of Metastases in the Liver. <i>Technology in Cancer Research and Treatment</i> , 2011, 10, 475-485.	1.9	159
18	Intraoperative electrochemotherapy of colorectal liver metastases. <i>Journal of Surgical Oncology</i> , 2014, 110, 320-327.	1.7	155

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19	Electrochemotherapy with cisplatin: potentiation of local cisplatin antitumour effectiveness by application of electric pulses in cancer patients. <i>European Journal of Cancer</i> , 1998, 34, 1213-1218.	2.8	146
20	Efficiency of High- and Low-Voltage Pulse Combinations for Gene Electrotransfer in Muscle, Liver, Tumor, and Skin. <i>Human Gene Therapy</i> , 2008, 19, 1261-1272.	2.7	145
21	Electrochemotherapy â€œ Emerging applications technical advances, new indications, combined approaches, and multi-institutional collaboration. <i>European Journal of Surgical Oncology</i> , 2019, 45, 92-102.	1.0	138
22	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
23	Electrochemotherapy of tumors as in situ vaccination boosted by immunogene electrotransfer. <i>Cancer Immunology, Immunotherapy</i> , 2015, 64, 1315-1327.	4.2	134
24	Biomedical applications of electric pulses with special emphasis on antitumor electrochemotherapy. <i>Bioelectrochemistry</i> , 1995, 38, 203-207.	1.0	126
25	Electrochemotherapy with cisplatin: clinical experience in malignant melanoma patients. <i>Clinical Cancer Research</i> , 2000, 6, 863-7.	7.0	121
26	Increased Cellular Uptake of Biocompatible Superparamagnetic Iron Oxide Nanoparticles into Malignant Cells by an External Magnetic Field. <i>Journal of Membrane Biology</i> , 2010, 236, 167-179.	2.1	120
27	Tumour blood flow changes induced by application of electric pulses. <i>European Journal of Cancer</i> , 1999, 35, 672-677.	2.8	112
28	The effect of high frequency electric pulses on muscle contractions and antitumor efficiency in vivo for a potential use in clinical electrochemotherapy. <i>Bioelectrochemistry</i> , 2005, 65, 121-128.	4.6	112
29	Cell membrane electroporation-Part 2: the applications. <i>IEEE Electrical Insulation Magazine</i> , 2013, 29, 29-37.	0.8	110
30	Electrochemotherapy in Veterinary Oncology. <i>Journal of Veterinary Internal Medicine</i> , 2008, 22, 826-831.	1.6	107
31	The endothelial cytoskeleton as a target of electroporation-based therapies. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 3145-3152.	4.1	106
32	Electrochemotherapy of chest wall breast cancer recurrence. <i>Cancer Treatment Reviews</i> , 2012, 38, 379-386.	7.7	104
33	The state-of-the-art of electrochemotherapy before the ESOPE study; advantages and clinical uses. <i>European Journal of Cancer, Supplement</i> , 2006, 4, 52-59.	2.2	101
34	Surface modified magnetic nanoparticles for immuno-gene therapy of murine mammary adenocarcinoma. <i>Biomaterials</i> , 2012, 33, 4379-4391.	11.4	101
35	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
36	Effective gene transfer to solid tumors using different nonviral gene delivery techniques: Electroporation, liposomes, and integrin-targeted vector. <i>Cancer Gene Therapy</i> , 2002, 9, 399-406.	4.6	98

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37	Cancer Electrogene Therapy with Interleukin-12. <i>Current Gene Therapy</i> , 2010, 10, 300-311.	2.0	93
38	Electrochemotherapy with cisplatin: the systemic antitumour effectiveness of cisplatin can be potentiated locally by the application of electric pulses in the treatment of malignant melanoma skin metastases. <i>Melanoma Research</i> , 2000, 10, 381-385.	1.2	92
39	Tumor size and effectiveness of electrochemotherapy. <i>Radiology and Oncology</i> , 2013, 47, 32-41.	1.7	92
40	Electrically-Assisted Nucleic Acids Delivery to Tissues In Vivo: Where Do We Stand?. <i>Current Pharmaceutical Design</i> , 2006, 12, 3817-25.	1.9	88
41	Differential Mechanisms Associated with Vascular Disrupting Action of Electrochemotherapy: Intravital Microscopy on the Level of Single Normal and Tumor Blood Vessels. <i>PLoS ONE</i> , 2013, 8, e59557.	2.5	88
42	Variation in dielectric properties due to pathological changes in human liver. <i>Bioelectromagnetics</i> , 2015, 36, 603-612.	1.6	87
43	Electroporation of human microvascular endothelial cells: evidence for an anti-vascular mechanism of electrochemotherapy. <i>British Journal of Cancer</i> , 2001, 84, 565-570.	6.4	86
44	Electrochemotherapy of superficial tumors – Current status:. <i>Seminars in Oncology</i> , 2019, 46, 173-191.	2.2	80
45	Robustness of Treatment Planning for Electrochemotherapy of Deep-Seated Tumors. <i>Journal of Membrane Biology</i> , 2010, 236, 147-153.	2.1	79
46	Changing electrode orientation improves the efficacy of electrochemotherapy of solid tumors in mice. <i>Bioelectrochemistry</i> , 1996, 39, 61-66.	1.0	76
47	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
48	Tumor blood flow modifying effect of electrochemotherapy with bleomycin. <i>Anticancer Research</i> , 1999, 19, 4017-22.	1.1	73
49	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
50	Electrochemotherapy as treatment option for hepatocellular carcinoma, a prospective pilot study. <i>European Journal of Surgical Oncology</i> , 2018, 44, 651-657.	1.0	71
51	The effect of electroporation pulses on functioning of the heart. <i>Medical and Biological Engineering and Computing</i> , 2008, 46, 745-57.	2.8	69
52	Increased platinum accumulation in SA-1 tumour cells after in vivo electrochemotherapy with cisplatin. <i>British Journal of Cancer</i> , 1999, 79, 1386-1391.	6.4	68
53	Anti-tumor effects of tumor necrosis factor alone or combined with radiotherapy. <i>International Journal of Cancer</i> , 1988, 42, 129-134.	5.1	67
54	Efficacy and safety of electrochemotherapy combined with peritumoral IL-12 gene electrotransfer of canine mast cell tumours. <i>Veterinary and Comparative Oncology</i> , 2017, 15, 641-654.	1.8	66

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55	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
56	Nitroxoline impairs tumor progression in vitro and in vivo by regulating cathepsin B activity. <i>Oncotarget</i> , 2015, 6, 19027-19042.	1.8	64
57	Reduced blood flow and oxygenation in SA-1 tumours after electrochemotherapy with cisplatin. <i>British Journal of Cancer</i> , 2002, 87, 1047-1054.	6.4	63
58	Patient-specific treatment planning of electrochemotherapy: Procedure design and possible pitfalls. <i>Bioelectrochemistry</i> , 2012, 87, 265-273.	4.6	63
59	Electrochemotherapy: variable anti-tumor effect on different tumor models. <i>Bioelectrochemistry</i> , 1994, 35, 23-27.	1.0	62
60	Intravital microscopy at the single vessel level brings new insights of vascular modification mechanisms induced by electroporation. <i>Journal of Controlled Release</i> , 2012, 163, 396-403.	9.9	61
61	Effect of Electric-Field Intensity on Electroporation and Electrosensitivity of Various Tumor-Cell Lines <i>In Vitro</i> . <i>Electromagnetic Biology and Medicine</i> , 1998, 17, 263-272.	0.4	60
62	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
63	Tumor treatment by direct electric current-tumor temperature and pH, electrode material and configuration. <i>Bioelectrochemistry</i> , 1993, 30, 209-220.	1.0	59
64	Control by pulse parameters of DNA electrotransfer into solid tumors in mice. <i>Gene Therapy</i> , 2009, 16, 635-644.	4.5	59
65	Potential of electrochemotherapy by intramuscular IL-12 gene electrotransfer in murine sarcoma and carcinoma with different immunogenicity. <i>Radiology and Oncology</i> , 2012, 46, 302-311.	1.7	56
66	Electrochemotherapy with cisplatin of cutaneous tumor lesions in breast cancer. <i>Anti-Cancer Drugs</i> , 2004, 15, 593-597.	1.4	55
67	In vivo real-time monitoring system of electroporation mediated control of transdermal and topical drug delivery. <i>Journal of Controlled Release</i> , 2013, 172, 862-871.	9.9	55
68	Electrochemotherapy with intravenous bleomycin injection: an observational study in superficial squamous cell carcinoma in cats. <i>Journal of Feline Medicine and Surgery</i> , 2014, 16, 291-299.	1.6	55
69	Coupling treatment planning with navigation system: a new technological approach in treatment of head and neck tumors by electrochemotherapy. <i>BioMedical Engineering OnLine</i> , 2015, 14, S2.	2.7	55
70	Anti-tumor effectiveness of electrochemotherapy with bleomycin is increased by TNF- α on SA-1 tumors in mice. <i>Cancer Letters</i> , 1997, 116, 85-92.	7.2	52
71	Intratumoral cisplatin administration in electrochemotherapy. <i>Anti-Cancer Drugs</i> , 1998, 9, 525-530.	1.4	52
72	Successful sphincter-saving treatment of anorectal malignant melanoma with electrochemotherapy, local excision and adjuvant brachytherapy. <i>Anti-Cancer Drugs</i> , 2005, 16, 345-348.	1.4	52

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73	Electrogene therapy with interleukin-12 in canine mast cell tumors. <i>Radiology and Oncology</i> , 2011, 45, 31-9.	1.7	52
74	Improvement of combined modality therapy with cisplatin and radiation using electroporation of tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 46, 1037-1041.	0.8	50
75	Local and systemic antitumor effect of intratumoral and peritumoral IL-12 electrogene therapy on murine sarcoma. <i>Cancer Biology and Therapy</i> , 2009, 8, 2114-2122.	3.4	50
76	A novel method for speciation of Pt in human serum incubated with cisplatin, oxaliplatin and carboplatin by conjoint liquid chromatography on monolithic disks with UV and ICP-MS detection. <i>Talanta</i> , 2013, 116, 141-148.	5.5	50
77	Electrochemotherapy in non-melanoma head and neck cancers: a retrospective analysis of the treated cases. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2014, 52, 957-964.	0.8	50
78	Electrochemotherapy by pulsed electromagnetic field treatment (PEMF) in mouse melanoma B16F10 <i>in vivo</i> . <i>Radiology and Oncology</i> , 2016, 50, 39-48.	1.7	48
79	Effective treatment of perianal tumors in dogs with electrochemotherapy. <i>Anticancer Research</i> , 2005, 25, 839-45.	1.1	48
80	Intrinsic Sensitivity of Tumor Cells to Bleomycin as an Indicator of Tumor Response to Electrochemotherapy. <i>Japanese Journal of Cancer Research</i> , 1998, 89, 328-333.	1.7	47
81	Recent Advances in Electrochemotherapy. <i>Bioelectricity</i> , 2019, 1, 204-213.	1.1	47
82	Hyaluronidase and Collagenase Increase the Transfection Efficiency of Gene Electrotransfer in Various Murine Tumors. <i>Human Gene Therapy</i> , 2012, 23, 128-137.	2.7	46
83	Recommendations and requirements for reporting on applications of electric pulse delivery for electroporation of biological samples. <i>Bioelectrochemistry</i> , 2018, 122, 69-76.	4.6	45
84	Electrochemotherapy of tumours resistant to cisplatin. <i>European Journal of Cancer</i> , 2001, 37, 1166-1172.	2.8	44
85	Radiosensitising effect of electrochemotherapy with bleomycin in LPB sarcoma cells and tumors in mice. <i>BMC Cancer</i> , 2005, 5, 115.	2.6	43
86	Electrochemotherapy of Tumours. <i>Current Oncology</i> , 2009, 16, 34-35.	2.2	43
87	Electrochemotherapy of colorectal liver metastases - an observational study of its effects on the electrocardiogram. <i>BioMedical Engineering OnLine</i> , 2015, 14, S5.	2.7	43
88	Tumor Bioelectric Potential and its Possible Exploitation for Tumor Growth Retardation. <i>Journal of Bioelectricity</i> , 1990, 9, 133-149.	0.7	42
89	Electrochemotherapy with Bleomycin in the Treatment of Hypernephroma Metastasis: Case Report and Literature Review. <i>Tumori</i> , 2000, 86, 163-165.	1.1	42
90	In Vivo Molecular Imaging and Histological Analysis of Changes Induced by Electric Pulses Used for Plasmid DNA Electrotransfer to the Skin: A Study in a Dorsal Window Chamber in Mice. <i>Journal of Membrane Biology</i> , 2012, 245, 545-554.	2.1	42

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91	IL-12 based gene therapy in veterinary medicine. <i>Journal of Translational Medicine</i> , 2012, 10, 234.	4.4	42
92	Histopathological findings in colorectal liver metastases after electrochemotherapy. <i>PLoS ONE</i> , 2017, 12, e0180709.	2.5	42
93	Magnetofection: A Reproducible Method for Gene Delivery to Melanoma Cells. <i>BioMed Research International</i> , 2013, 2013, 1-11.	1.9	41
94	Increased permeability of blood vessels after reversible electroporation is facilitated by alterations in endothelial cell-to-cell junctions. <i>Journal of Controlled Release</i> , 2018, 276, 30-41.	9.9	41
95	Multiple Delivery of siRNA against Endoglin into Murine Mammary Adenocarcinoma Prevents Angiogenesis and Delays Tumor Growth. <i>PLoS ONE</i> , 2013, 8, e58723.	2.5	40
96	Effect of calcium electroporation on tumour vasculature. <i>Scientific Reports</i> , 2018, 8, 9412.	3.3	39
97	Large Liver Blood Vessels and Bile Ducts Are Not Damaged by Electrochemotherapy with Bleomycin in Pigs. <i>Scientific Reports</i> , 2019, 9, 3649.	3.3	39
98	The effect of the histological properties of tumors on transfection efficiency of electrically assisted gene delivery to solid tumors in mice. <i>Gene Therapy</i> , 2007, 14, 1261-1269.	4.5	38
99	Bleomycin pharmacokinetics of bolus bleomycin dose in elderly cancer patients treated with electrochemotherapy. <i>Cancer Chemotherapy and Pharmacology</i> , 2016, 77, 939-947.	2.3	38
100	Electrochemotherapy compared to surgery for treatment of canine mast cell tumours. <i>In Vivo</i> , 2009, 23, 55-62.	1.3	37
101	Modified cell proliferation due to electrical currents. <i>Medical and Biological Engineering and Computing</i> , 1992, 30, CE21-CE28.	2.8	36
102	Gene Electrotransfer into Murine Skeletal Muscle: A Systematic Analysis of Parameters for Long-term Gene Expression. <i>Technology in Cancer Research and Treatment</i> , 2008, 7, 91-101.	1.9	36
103	Limb Sparing Treatment of Bleeding Melanoma Recurrence by Electrochemotherapy. <i>Tumori</i> , 2009, 95, 398-402.	1.1	36
104	Planning of Electroporation-Based Treatments Using Web-Based Treatment-Planning Software. <i>Journal of Membrane Biology</i> , 2013, 246, 833-842.	2.1	36
105	Comparable effectiveness and immunomodulatory actions of oxaliplatin and cisplatin in electrochemotherapy of murine melanoma. <i>Bioelectrochemistry</i> , 2018, 119, 161-171.	4.6	36
106	A combination of electrochemotherapy, gene electrotransfer of plasmid encoding canine IL-12 and cytoreductive surgery in the treatment of canine oral malignant melanoma. <i>Research in Veterinary Science</i> , 2019, 122, 40-49.	1.9	36
107	Controlled systemic release of interleukin-12 after gene electrotransfer to muscle for cancer gene therapy alone or in combination with ionizing radiation in murine sarcomas. <i>Journal of Gene Medicine</i> , 2009, 11, 1125-1137.	2.8	35
108	Gene electrotransfer into skin using noninvasive multi-electrode array for vaccination and wound healing. <i>Bioelectrochemistry</i> , 2017, 114, 33-41.	4.6	35

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109	Electrochemotherapy: potentiation of local antitumour effectiveness of cisplatin in dogs and cats. <i>Anticancer Research</i> , 2001, 21, 2483-8.	1.1	35
110	Electrochemotherapy as a single treatment or adjuvant treatment to surgery of cutaneous sarcoid tumours in horses: a 31â€case retrospective study. <i>Veterinary Record</i> , 2016, 179, 627-627.	0.3	33
111	Efficiency of electrochemotherapy with reduced bleomycin dose in the treatment of nonmelanoma head and neck skin cancer: Preliminary results. <i>Head and Neck</i> , 2018, 40, 120-125.	2.0	33
112	Electrotransfer of therapeutic molecules into tissues. <i>Current Opinion in Molecular Therapeutics</i> , 2007, 9, 554-62.	2.8	33
113	Identification and quantification of bleomycin in serum and tumor tissue by liquid chromatography coupled to high resolution mass spectrometry. <i>Talanta</i> , 2016, 160, 164-171.	5.5	32
114	Electrochemotherapy of Mouse Sarcoma Tumors Using Electric Pulse Trains with Repetition Frequencies of 1ÂHz and 5ÂkHz. <i>Journal of Membrane Biology</i> , 2010, 236, 155-162.	2.1	31
115	Intraoperative electrochemotherapy of colorectal liver metastases: A prospective phase II study. <i>European Journal of Surgical Oncology</i> , 2020, 46, 1628-1633.	1.0	30
116	Combination of Pembrolizumab with Electrochemotherapy in Cutaneous Metastases from Melanoma: A Comparative Retrospective Study from the InspECT and Slovenian Cancer Registry. <i>Cancers</i> , 2021, 13, 4289.	3.7	30
117	Electrochemotherapy with bleomycin in SA-1 tumor-bearing miceâ€natural resistance and immune responsiveness. <i>Anti-Cancer Drugs</i> , 1996, 7, 785-791.	1.4	29
118	Electrochemotherapy of tumours. <i>Current Oncology</i> , 2009, 16, 34-5.	2.2	29
119	Reduced tumor oxygenation by treatment with vinblastine. <i>Cancer Research</i> , 2001, 61, 4266-71.	0.9	29
120	Electrochemotherapy of Tumours. <i>Journal of Visualized Experiments</i> , 2008, , .	0.3	28
121	Mcam Silencing With RNA Interference Using Magnetofection has Antitumor Effect in Murine Melanoma. <i>Molecular Therapy - Nucleic Acids</i> , 2014, 3, e205.	5.1	28
122	Optimisation of pulse parameters in vitro for in vivo electrochemotherapy. <i>Anticancer Research</i> , 2002, 22, 1731-6.	1.1	28
123	Electrotransfer parameters as a tool for controlled and targeted gene expression in skin. <i>Molecular Therapy - Nucleic Acids</i> , 2016, 5, e356.	5.1	27
124	Effects of electrochemotherapy with cisplatin and peritumoral IL-12 gene electrotransfer on canine mast cell tumors: a histopathologic and immunohistochemical study. <i>Radiology and Oncology</i> , 2017, 51, 286-294.	1.7	27
125	Gene Electrotransfer of Plasmid-Encoding IL-12 Recruits the M1 Macrophages and Antigen-Presenting Cells Inducing the Eradication of Aggressive B16F10 Murine Melanoma. <i>Mediators of Inflammation</i> , 2017, 2017, 1-11.	3.0	27
126	Muscle gene electrotransfer is increased by the antioxidant tempol in mice. <i>Gene Therapy</i> , 2012, 19, 312-320.	4.5	26

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127	Radiosensitizing effect of intratumoral interleukin-12 gene electrotransfer in murine sarcoma. <i>BMC Cancer</i> , 2013, 13, 38.	2.6	26
128	Inhibitor of endocytosis impairs gene electrotransfer to mouse muscle in vivo. <i>Bioelectrochemistry</i> , 2015, 103, 111-119.	4.6	26
129	Effective treatment of multiple unresectable skin melanoma metastases by electrochemotherapy. <i>Croatian Medical Journal</i> , 2007, 48, 391-5.	0.7	26
130	Contrast Enhanced MRI Assessment of Tumor Blood Volume After Application of Electric Pulses. <i>Electromagnetic Biology and Medicine</i> , 1998, 17, 299-306.	0.4	25
131	Development of human cell biosensor system for genotoxicity detection based on DNA damage-induced gene expression. <i>Radiology and Oncology</i> , 2010, 44, 42-51.	1.7	25
132	Antitumor in situ vaccination effect of TNF α and IL-12 plasmid DNA electrotransfer in a murine melanoma model. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 785-795.	4.2	25
133	Potential of electrochemotherapy effectiveness by immunostimulation with IL-12 gene electrotransfer in mice is dependent on tumor immune status. <i>Journal of Controlled Release</i> , 2021, 332, 623-635.	9.9	25
134	Biological factors of the tumour response to electrochemotherapy: Review of the evidence and a research roadmap. <i>European Journal of Surgical Oncology</i> , 2021, 47, 1836-1846.	1.0	25
135	Endoglin Silencing has Significant Antitumor Effect on Murine Mammary Adenocarcinoma Mediated by Vascular Targeted Effect. <i>Current Gene Therapy</i> , 2015, 15, 228-244.	2.0	25
136	Percutaneous image guided electrochemotherapy of hepatocellular carcinoma: technological advancement. <i>Radiology and Oncology</i> , 2020, 54, 347-352.	1.7	25
137	Electrochemotherapy with cisplatin in the treatment of tumor cells resistant to cisplatin. <i>Anticancer Research</i> , 1998, 18, 4463-6.	1.1	25
138	Potential of bleomycin antitumor effectiveness by electrotherapy. <i>Cancer Letters</i> , 1993, 69, 81-84.	7.2	24
139	Efficient Electrotransfection into Canine Muscle. <i>Technology in Cancer Research and Treatment</i> , 2008, 7, 45-54.	1.9	24
140	Electrochemotherapy with bleomycin is effective in BRAF mutated melanoma cells and interacts with BRAF inhibitors. <i>Radiology and Oncology</i> , 2016, 50, 274-279.	1.7	24
141	Predicting irreversible electroporation-induced tissue damage by means of magnetic resonance electrical impedance tomography. <i>Scientific Reports</i> , 2017, 7, 10323.	3.3	24
142	Electrochemotherapy for advanced cutaneous angiosarcoma: A European register-based cohort study from the International Network for Sharing Practices of electrochemotherapy (InspECT). <i>International Journal of Surgery</i> , 2019, 72, 34-42.	2.7	24
143	Adjuvant TNF α therapy to electrochemotherapy with intravenous cisplatin in murine sarcoma exerts synergistic antitumor effectiveness. <i>Radiology and Oncology</i> , 2015, 49, 32-40.	1.7	24
144	Determination of platinum in tumour tissues after cisplatin therapy by electrothermal atomic absorption spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997, 16, 343-348.	2.8	23

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145	Electric pulses used in electrochemotherapy and electrogene therapy do not significantly change the expression profile of genes involved in the development of cancer in malignant melanoma cells. <i>BMC Cancer</i> , 2009, 9, 299.	2.6	23
146	Gene electrotransfer of plasmid AMEP, an integrin-targeted therapy, has antitumor and antiangiogenic action in murine B16 melanoma. <i>Gene Therapy</i> , 2015, 22, 578-590.	4.5	23
147	Electrotransfer of Different Control Plasmids Elicits Different Antitumor Effectiveness in B16.F10 Melanoma. <i>Cancers</i> , 2018, 10, 37.	3.7	23
148	Radiosensitizing Effect of Electrochemotherapy in a Fractionated Radiation Regimen in Radiosensitive Murine Sarcoma and Radioresistant Adenocarcinoma Tumor Model. <i>Radiation Research</i> , 2009, 172, 677-685.	1.5	22
149	Radiotherapy in combination with vascular-targeted therapies. <i>Radiology and Oncology</i> , 2010, 44, 67-78.	1.7	22
150	Irradiation, Cisplatin, and 5-Azacytidine Upregulate Cytomegalovirus Promoter in Tumors and Muscles: Implementation of Non-invasive Fluorescence Imaging. <i>Molecular Imaging and Biology</i> , 2011, 13, 43-52.	2.6	22
151	A Prospective Phase II Study Evaluating Intraoperative Electrochemotherapy of Hepatocellular Carcinoma. <i>Cancers</i> , 2020, 12, 3778.	3.7	22
152	Electroporation-Based Treatment Planning for Deep-Seated Tumors Based on Automatic Liver Segmentation of MRI Images. <i>PLoS ONE</i> , 2013, 8, e69068.	2.5	21
153	Ultrasonographic changes in the liver tumors as indicators of adequate tumor coverage with electric field for effective electrochemotherapy. <i>Radiology and Oncology</i> , 2018, 52, 383-391.	1.7	21
154	Direct visualization of electroporation-assisted in vivo gene delivery to tumors using intravital microscopy – spatial and time dependent distribution. <i>BMC Cancer</i> , 2004, 4, 81.	2.6	20
155	Improved Specificity of Gene Electrotransfer to Skin Using pDNA Under the Control of Collagen Tissue-Specific Promoter. <i>Journal of Membrane Biology</i> , 2015, 248, 919-928.	2.1	20
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