

Bor Kos

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,771
citations

331259

21
h-index

276539

41
g-index

51
all docs

51
docs citations

51
times ranked

1185
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Time Delay Between Unipolar Pulses in High Frequency Nano-Electrochemotherapy. IEEE Transactions on Biomedical Engineering, 2022, 69, 1726-1732.	2.5	12
2	Numerical mesoscale tissue model of electrochemotherapy in liver based on histological findings. Scientific Reports, 2022, 12, 6476.	1.6	5
3	Ireverzibilna elektroporacija kot metoda ablacije mehkih tkiv: pregled in izzivi pri uporabi v kliničnem okolju. Zdravniški Vestnik, 2021, 90, 38-53.	0.1	2
4	Safety and chronic lesion characterization of pulsed field ablation in a Porcine model. Journal of Cardiovascular Electrophysiology, 2021, 32, 958-969.	0.8	54
5	Retrospective Study for Validation and Improvement of Numerical Treatment Planning of Irreversible Electroporation Ablation for Treatment of Liver Tumors. IEEE Transactions on Biomedical Engineering, 2021, 68, 3513-3524.	2.5	11
6	Bringing numerical treatment planning for electroporation based therapies into clinical practice. , 2021, , .		0
7	Electrodes and Electric Field Distribution in Clinical Practice. , 2021, , 21-59.		2
8	Peri-tumoral Metallic Implants Reduce the Efficacy of Irreversible Electroporation for the Ablation of Colorectal Liver Metastases. CardioVascular and Interventional Radiology, 2020, 43, 84-93.	0.9	24
9	Safety and Feasibility of Electrochemotherapy of the Pancreas in a Porcine Model. Pancreas, 2020, 49, 1168-1173.	0.5	10
10	Investigation of safety for electrochemotherapy and irreversible electroporation ablation therapies in patients with cardiac pacemakers. BioMedical Engineering OnLine, 2020, 19, 85.	1.3	7
11	A Prospective Phase II Study Evaluating Intraoperative Electrochemotherapy of Hepatocellular Carcinoma. Cancers, 2020, 12, 3778.	1.7	22
12	Intraoperative electrochemotherapy of colorectal liver metastases: A prospective phase II study. European Journal of Surgical Oncology, 2020, 46, 1628-1633.	0.5	30
13	Percutaneous image guided electrochemotherapy of hepatocellular carcinoma: technological advancement. Radiology and Oncology, 2020, 54, 347-352.	0.6	25
14	Large Liver Blood Vessels and Bile Ducts Are Not Damaged by Electrochemotherapy with Bleomycin in Pigs. Scientific Reports, 2019, 9, 3649.	1.6	39
15	Radiological findings of porcine liver after electrochemotherapy with bleomycin. Radiology and Oncology, 2019, 53, 415-426.	0.6	14
16	Electrochemotherapy as treatment option for hepatocellular carcinoma, a prospective pilot study. European Journal of Surgical Oncology, 2018, 44, 651-657.	0.5	71
17	Numerical Modelling for Prediction and Evaluation of Treatment Outcome. , 2018, , 67-80.		0
18	Time-Dependent Finite Element Analysis of <i>In Vivo</i> Electrochemotherapy Treatment. Technology in Cancer Research and Treatment, 2018, 17, 153303381879051.	0.8	13

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19	Computational Feasibility Analysis of Electrochemotherapy With Novel Needle-Electrode Arrays for the Treatment of Invasive Breast Ductal Carcinoma. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303381879493.	0.8	8
20	Electrochemotherapy of Spinal Metastases Using Transpedicular Approachâ€”A Numerical Feasibility Study. <i>Technology in Cancer Research and Treatment</i> , 2018, 17, 153303461877025.	0.8	13
21	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.	0.6	21
22	Predictive therapeutic planning for irreversible electroporation treatment of spontaneous malignant glioma. <i>Medical Physics</i> , 2017, 44, 4968-4980.	1.6	50
23	Radiofrequency Exposures of Workers on Low-Power FM Radio Transmitters. <i>Annals of Work Exposures and Health</i> , 2017, 61, 457-467.	0.6	1
24	Treatment Planning for Electrochemotherapy and Irreversible Electroporation of Deep-Seated Tumors. , 2017, , 1001-1017.		6
25	ELECTROCHEMOTHERAPY COMBINED WITH STANDARD AND CO2 LASER SURGERIES IN CANINE ORAL MELANOMA. <i>Slovenian Veterinary Research</i> , 2017, 54, .	0.0	6
26	Treatment Planning for Electrochemotherapy and Irreversible Electroporation of Deep-Seated Tumors. , 2017, , 1-17.		0
27	A statistical model describing combined irreversible electroporation and electroporation-induced blood-brain barrier disruption. <i>Radiology and Oncology</i> , 2016, 50, 28-38.	0.6	35
28	Investigation of the mechanisms of action behind Electromotive Drug Administration (EMDA). <i>PeerJ</i> , 2016, 4, e2309.	0.9	15
29	Careful treatment planning enables safe ablation of liver tumors adjacent to major blood vessels by percutaneous irreversible electroporation (IRE). <i>Radiology and Oncology</i> , 2015, 49, 234-241.	0.6	82
30	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.	1.3	55
31	Web-based tool for visualization of electric field distribution in deep-seated body structures and planning of electroporation-based treatments. <i>BioMedical Engineering OnLine</i> , 2015, 14, S4.	1.3	40
32	Variation in dielectric properties due to pathological changes in human liver. <i>Bioelectromagnetics</i> , 2015, 36, 603-612.	0.9	87
33	Typical exposure of children to EMF: exposimetry and dosimetry. <i>Radiation Protection Dosimetry</i> , 2015, 163, 70-80.	0.4	21
34	Effect of Blood Vessel Segmentation on the Outcome of Electroporation-Based Treatments of Liver Tumors. <i>PLoS ONE</i> , 2015, 10, e0125591.	1.1	23
35	Induced electric fields in workers near lowâ€“frequency induction heating machines. <i>Bioelectromagnetics</i> , 2014, 35, 222-226.	0.9	3
36	Electrochemotherapy: from the drawing board into medical practice. <i>BioMedical Engineering OnLine</i> , 2014, 13, 29.	1.3	284

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37	Intraoperative electrochemotherapy of colorectal liver metastases. <i>Journal of Surgical Oncology</i> , 2014, 110, 320-327.	0.8	155
38	Planning of Electroporation-Based Treatments Using Web-Based Treatment-Planning Software. <i>Journal of Membrane Biology</i> , 2013, 246, 833-842.	1.0	36
39	Treatment planning of electroporation-based medical interventions: electrochemotherapy, gene electrotransfer and irreversible electroporation. <i>Physics in Medicine and Biology</i> , 2012, 57, 5425-5440.	1.6	107
40	Occupational Exposure Assessment on an FM Mast: Electric Field and SAR Values. <i>International Journal of Occupational Safety and Ergonomics</i> , 2012, 18, 149-159.	1.1	5
41	Simultaneous Occupational Exposure to FM and UHF Transmitters. <i>International Journal of Occupational Safety and Ergonomics</i> , 2012, 18, 161-170.	1.1	4
42	Occupational exposure assessment of magnetic fields generated by induction heating equipment—the role of spatial averaging. <i>Physics in Medicine and Biology</i> , 2012, 57, 5943-5953.	1.6	13
43	Patient-specific treatment planning of electrochemotherapy: Procedure design and possible pitfalls. <i>Bioelectrochemistry</i> , 2012, 87, 265-273.	2.4	63
44	Pre- and post-natal exposure of children to EMF generated by domestic induction cookers. <i>Physics in Medicine and Biology</i> , 2011, 56, 6149-6160.	1.6	40
45	Exposure assessment in front of a multi-band base station antenna. <i>Bioelectromagnetics</i> , 2011, 32, 234-242.	0.9	9
46	Robustness of Treatment Planning for Electrochemotherapy of Deep-Seated Tumors. <i>Journal of Membrane Biology</i> , 2010, 236, 147-153.	1.0	79
47	Towards treatment planning and treatment of deep-seated solid tumors by electrochemotherapy. <i>BioMedical Engineering OnLine</i> , 2010, 9, 10.	1.3	165