Bor Kos

List of Publications by Year in descending order

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	Electrochemotherapy: from the drawing board into medical practice. BioMedical Engineering OnLine, 2014, 13, 29.	1.3	284
2	Towards treatment planning and treatment of deep-seated solid tumors by electrochemotherapy. BioMedical Engineering OnLine, 2010, 9, 10.	1.3	165
3	Intraoperative electrochemotherapy of colorectal liver metastases. Journal of Surgical Oncology, 2014, 110, 320-327.	0.8	155
4	Treatment planning of electroporation-based medical interventions: electrochemotherapy, gene electrotransfer and irreversible electroporation. Physics in Medicine and Biology, 2012, 57, 5425-5440.	1.6	107
5	Variation in dielectric properties due to pathological changes in human liver. Bioelectromagnetics, 2015, 36, 603-612.	0.9	87
6	Careful treatment planning enables safe ablation of liver tumors adjacent to major blood vessels by percutaneous irreversible electroporation (IRE). Radiology and Oncology, 2015, 49, 234-241.	0.6	82
7	Robustness of Treatment Planning for Electrochemotherapy of Deep-Seated Tumors. Journal of Membrane Biology, 2010, 236, 147-153.	1.0	79
8	Electrochemotherapy as treatment option for hepatocellular carcinoma, a prospective pilot study. European Journal of Surgical Oncology, 2018, 44, 651-657.	0.5	71
9	Patient-specific treatment planning of electrochemotherapy: Procedure design and possible pitfalls. Bioelectrochemistry, 2012, 87, 265-273.	2.4	63
10	Coupling treatment planning with navigation system: a new technological approach in treatment of head and neck tumors by electrochemotherapy. BioMedical Engineering OnLine, 2015, 14, S2.	1.3	55
11	Safety and chronic lesion characterization of pulsed field ablation in a Porcine model. Journal of Cardiovascular Electrophysiology, 2021, 32, 958-969.	0.8	54
12	Predictive therapeutic planning for irreversible electroporation treatment of spontaneous malignant glioma. Medical Physics, 2017, 44, 4968-4980.	1.6	50
13	Pre- and post-natal exposure of children to EMF generated by domestic induction cookers. Physics in Medicine and Biology, 2011, 56, 6149-6160.	1.6	40
14	Web-based tool for visualization of electric field distribution in deep-seated body structures and planning of electroporation-based treatments. BioMedical Engineering OnLine, 2015, 14, S4.	1.3	40
15	Large Liver Blood Vessels and Bile Ducts Are Not Damaged by Electrochemotherapy with Bleomycin in Pigs. Scientific Reports, 2019, 9, 3649.	1.6	39
16	Planning of Electroporation-Based Treatments Using Web-Based Treatment-Planning Software. Journal of Membrane Biology, 2013, 246, 833-842.	1.0	36
17	A statistical model describing combined irreversible electroporation and electroporation-induced blood-brain barrier disruption. Radiology and Oncology, 2016, 50, 28-38.	0.6	35
18	Intraoperative electrochemotherapy of colorectal liver metastases: A prospective phase II study. European Journal of Surgical Oncology, 2020, 46, 1628-1633.	0.5	30

#	Article	IF	Citations
19	Percutaneous image guided electrochemotherapy of hepatocellular carcinoma: technological advancement. Radiology and Oncology, 2020, 54, 347-352.	0.6	25
20	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
21	Effect of Blood Vessel Segmentation on the Outcome of Electroporation-Based Treatments of Liver Tumors. PLoS ONE, 2015, 10, e0125591.	1.1	23
22	A Prospective Phase II Study Evaluating Intraoperative Electrochemotherapy of Hepatocellular Carcinoma. Cancers, 2020, 12, 3778.	1.7	22
23	Typical exposure of children to EMF: exposimetry and dosimetry. Radiation Protection Dosimetry, 2015, 163, 70-80.	0.4	21
24	Ultrasonographic changes in the liver tumors as indicators of adequate tumor coverage with electric field for effective electrochemotherapy. Radiology and Oncology, 2018, 52, 383-391.	0.6	21
25	Investigation of the mechanisms of action behind Electromotive Drug Administration (EMDA). PeerJ, 2016, 4, e2309.	0.9	15
26	Radiological findings of porcine liver after electrochemotherapy with bleomycin. Radiology and Oncology, 2019, 53, 415-426.	0.6	14
27	Occupational exposure assessment of magnetic fields generated by induction heating equipmentâ€"the role of spatial averaging. Physics in Medicine and Biology, 2012, 57, 5943-5953.	1.6	13
28	Time-Dependent Finite Element Analysis of In Vivo Electrochemotherapy Treatment. Technology in Cancer Research and Treatment, 2018, 17, 153303381879051.	0.8	13
29	Electrochemotherapy of Spinal Metastases Using Transpedicular Approachâ€"A Numerical Feasibility Study. Technology in Cancer Research and Treatment, 2018, 17, 153303461877025.	0.8	13
30	Effects of Time Delay Between Unipolar Pulses in High Frequency Nano-Electrochemotherapy. IEEE Transactions on Biomedical Engineering, 2022, 69, 1726-1732.	2.5	12
31	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
32	Safety and Feasibility of Electrochemotherapy of the Pancreas in a Porcine Model. Pancreas, 2020, 49, 1168-1173.	0.5	10
33	Exposure assessment in front of a multiâ€band base station antenna. Bioelectromagnetics, 2011, 32, 234-242.	0.9	9
34	Computational Feasibility Analysis of Electrochemotherapy With Novel Needle-Electrode Arrays for the Treatment of Invasive Breast Ductal Carcinoma. Technology in Cancer Research and Treatment, 2018, 17, 153303381879493.	0.8	8
35	Investigation of safety for electrochemotherapy and irreversible electroporation ablation therapies in patients with cardiac pacemakers. BioMedical Engineering OnLine, 2020, 19, 85.	1.3	7
36	Treatment Planning for Electrochemotherapy and Irreversible Electroporation of Deep-Seated Tumors. , 2017, , 1001-1017.		6

#	Article	IF	Citations
37	ELECTROCHEMOTHERAPY COMBINED WITH STANDARD AND CO2 LASER SURGERIES IN CANINE ORAL MELANOMA. Slovenian Veterinary Research, 2017, 54, .	0.0	6
38	Occupational Exposure Assessment on an FM Mast: Electric Field and SAR Values. International Journal of Occupational Safety and Ergonomics, 2012, 18, 149-159.	1.1	5
39	Numerical mesoscale tissue model of electrochemotherapy in liver based on histological findings. Scientific Reports, 2022, 12, 6476.	1.6	5
40	Simultaneous Occupational Exposure to FM and UHF Transmitters. International Journal of Occupational Safety and Ergonomics, 2012, 18, 161-170.	1.1	4
41	Induced electric fields in workers near lowâ€frequency induction heating machines. Bioelectromagnetics, 2014, 35, 222-226.	0.9	3
42	Ireverzibilna elektroporacija kot metoda ablacije mehkih tkiv: pregled in izzivi pri uporabi v kliniÄnem okolju. ZdravniÅ¡ki Vestnik, 2021, 90, 38-53.	0.1	2
43	Electrodes and Electric Field Distribution in Clinical Practice. , 2021, , 21-59.		2
44	Radiofrequency Exposures of Workers on Low-Power FM Radio Transmitters. Annals of Work Exposures and Health, 2017, 61, 457-467.	0.6	1
45	Numerical Modelling for Prediction and Evaluation of Treatment Outcome. , 2018, , 67-80.		0
46	Bringing numerical treatment planning for electroporation based therapies into clinical practice. , 2021, , .		0
47	Treatment Planning for Electrochemotherapy and Irreversible Electroporation of Deep-Seated Tumors. , 2017, , 1-17.		0