Spiros Kotopoulis

List of Publications by Year in descending order

42	1,246	623188	454577
papers	citations	14 h-index	30 g-index

43	43	43	1603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SonoVueÂ® vs. Sonazoidâ„¢ vs. Optisonâ„¢: Which Bubble Is Best for Low-Intensity Sonoporation of Pancreatic Ductal Adenocarcinoma?. Pharmaceutics, 2022, 14, 98.	2.0	12
2	Real-Time Intravital Multiphoton Microscopy to Visualize Focused Ultrasound and Microbubble Treatments to Increase Blood-Brain Barrier Permeability. Journal of Visualized Experiments, 2022, , .	0.2	0
3	Formulation and characterisation of drug-loaded antibubbles for image-guided and ultrasound-triggered drug delivery. Ultrasonics Sonochemistry, 2022, 85, 105986.	3.8	11
4	Ultrafast Microscopy Imaging of Acoustic Cluster Therapy Bubbles: Activation and Oscillation. Ultrasound in Medicine and Biology, 2022, 48, 1840-1857.	0.7	5
5	Selecting the optimal parameters for sonoporation of pancreatic cancer in a pre-clinical model. Cancer Biology and Therapy, 2021, 22, 204-215.	1.5	12
6	Acoustic Cluster Therapy (ACTÂ®) enhances accumulation of polymeric micelles in the murine brain. Journal of Controlled Release, 2021, 337, 285-295.	4.8	11
7	Ultrasound and Microbubbles Enhance Uptake of Doxorubicin in Murine Kidneys. Pharmaceutics, 2021, 13, 2038.	2.0	3
8	Sonoporation for Augmenting Chemotherapy of Pancreatic Ductal Adenocarcinoma. Methods in Molecular Biology, 2020, 2059, 191-205.	0.4	14
9	Intracellular Cytidine Deaminase Regulates Gemcitabine Metabolism in Pancreatic Cancer Cell Lines. Drug Metabolism and Disposition, 2020, 48, 153-158.	1.7	23
10	Low-Intensity Sonoporation-Induced Intracellular Signalling of Pancreatic Cancer Cells, Fibroblasts and Endothelial Cells. Pharmaceutics, 2020, 12, 1058.	2.0	14
11	Theranostic Attributes of Acoustic Cluster Therapy and Its Use for Enhancing the Effectiveness of Liposomal Doxorubicin Treatment of Human Triple Negative Breast Cancer in Mice. Frontiers in Pharmacology, 2020, 11, 75.	1.6	22
12	Ultrasound- and Microbubble-Assisted Gemcitabine Delivery to Pancreatic Cancer Cells. Pharmaceutics, 2020, 12, 141.	2.0	17
13	Intracellular Signaling in Key Pathways Is Induced by Treatment with Ultrasound and Microbubbles in a Leukemia Cell Line, but Not in Healthy Peripheral Blood Mononuclear Cells. Pharmaceutics, 2019, 11, 319.	2.0	11
14	Acoustic Cluster Therapy displays theranostic capability in enhancing the effectiveness of liposomal doxorubicin treatment of human triple negative breast cancer in mice. , 2019, , .		0
15	In vitro optimisation of sonoporation conditions in pancreatic cancer. Pancreatology, 2019, 19, S151-S152.	0.5	0
16	Therapeutic Dose Response of Acoustic Cluster Therapy in Combination With Irinotecan for the Treatment of Human Colon Cancer in Mice. Frontiers in Pharmacology, 2019, 10, 1299.	1.6	13
17	Selecting the Optimal Parameters for Sonoporation of Pancreatic Cancer in a Pre-Clinical Model. , 2019, , .		0
18	Measured acoustic intensities for clinical diagnostic ultrasound transducers and correlation with thermal index. Ultrasound in Obstetrics and Gynecology, 2017, 50, 236-241.	0.9	9

#	Article	IF	Citations
19	Sonoporation with Acoustic Cluster Therapy (ACTÂ®) induces transient tumour volume reduction in a subcutaneous xenograft model of pancreatic ductal adenocarcinoma. Journal of Controlled Release, 2017, 245, 70-80.	4.8	31
20	A human clinical trial using ultrasound and microbubbles to enhance gemcitabine treatment of inoperable pancreatic cancer. Journal of Controlled Release, 2016, 243, 172-181.	4.8	332
21	Glass-windowed ultrasound transducers. Ultrasonics, 2016, 68, 108-119.	2.1	5
22	Nonlinear Echoes from Encapsulated Antibubbles. Physics Procedia, 2015, 70, 1079-1082.	1.2	5
23	Open-source, high-throughput ultrasound treatment chamber. Biomedizinische Technik, 2015, 60, 77-87.	0.9	8
24	Acoustically Active Antibubbles. Acta Physica Polonica A, 2015, 127, 99-102.	0.2	16
25	Acoustic filtering of particles in a flow regime. , 2014, , .		0
26	Transparent glass-windowed ultrasound transducers. , 2014, , .		0
27	Sonoporation: From the lab to human clinical trials. , 2014, , .		2
28	Sonoporation-Enhanced Chemotherapy Significantly Reduces Primary Tumour Burden in an Orthotopic Pancreatic Cancer Xenograft. Molecular Imaging and Biology, 2014, 16, 53-62.	1.3	112
29	Evaluation of the effects of clinical diagnostic ultrasound in combination with ultrasound contrast agents on cell stress: Single cell analysis of intracellular phospho-signaling pathways in blood cancer cells and normal blood leukocytes. , 2014, , .		2
30	Sonoporation: Mechanistic insights and ongoing challenges for gene transfer. Gene, 2013, 525, 191-199.	1.0	171
31	Treatment of human pancreatic cancer using combined ultrasound, microbubbles, and gemcitabine: A clinical case study. Medical Physics, 2013, 40, 072902.	1.6	178
32	Lab-on-a-chip device for fabrication of therapeutic microbubbles on demand. Biomedizinische Technik, 2013, 58 Suppl 1, .	0.9	2
33	High-frequency transducer for MR-guided FUS. Biomedizinische Technik, 2012, 57, .	0.9	0
34	Real-time sonoporation through HeLa cells. , 2012, , .		1
35	Lithium niobate transducers for MRI-guided ultrasonic microsurgery. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1570-1576.	1.7	13
36	Ultrasound and microbubble-assisted gene delivery in Achilles tendons: Long lasting gene expression and restoration of fibromodulin KO phenotype. Journal of Controlled Release, 2011, 156, 223-230.	4.8	40

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37	Laser-nucleated acoustic cavitation in focused ultrasound. Review of Scientific Instruments, 2011, 82, 044902.	0.6	33
38	Sonoporation at a low mechanical index. Bubble Science, Engineering & Technology, 2011, 3, 3-12.	0.2	42
39	Microfoam formation in a capillary. Ultrasonics, 2010, 50, 260-268.	2.1	46
40	Lithium niobate ultrasound transducers for high-resolution focused ultrasound surgery. , 2010, , .		2
41	Sonic cracking of blue-green algae. Applied Acoustics, 2009, 70, 1306-1312.	1.7	28
42	Safety radius for algae eradication at 200 kHz – 2.5 MHz. , 2008, , .		0