

Spiros Kotopoulos

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,246
citations

623188

14
h-index

454577

30
g-index

43
all docs

43
docs citations

43
times ranked

1603
citing authors

#	ARTICLE	IF	CITATIONS
1	A human clinical trial using ultrasound and microbubbles to enhance gemcitabine treatment of inoperable pancreatic cancer. <i>Journal of Controlled Release</i> , 2016, 243, 172-181.	4.8	332
2	Treatment of human pancreatic cancer using combined ultrasound, microbubbles, and gemcitabine: A clinical case study. <i>Medical Physics</i> , 2013, 40, 072902.	1.6	178
3	Sonoporation: Mechanistic insights and ongoing challenges for gene transfer. <i>Gene</i> , 2013, 525, 191-199.	1.0	171
4	Sonoporation-Enhanced Chemotherapy Significantly Reduces Primary Tumour Burden in an Orthotopic Pancreatic Cancer Xenograft. <i>Molecular Imaging and Biology</i> , 2014, 16, 53-62.	1.3	112
5	Microfoam formation in a capillary. <i>Ultrasonics</i> , 2010, 50, 260-268.	2.1	46
6	Sonoporation at a low mechanical index. <i>Bubble Science, Engineering & Technology</i> , 2011, 3, 3-12.	0.2	42
7	Ultrasound and microbubble-assisted gene delivery in Achilles tendons: Long lasting gene expression and restoration of fibromodulin KO phenotype. <i>Journal of Controlled Release</i> , 2011, 156, 223-230.	4.8	40
8	Laser-nucleated acoustic cavitation in focused ultrasound. <i>Review of Scientific Instruments</i> , 2011, 82, 044902.	0.6	33
9	Sonoporation with Acoustic Cluster Therapy (ACTA®) induces transient tumour volume reduction in a subcutaneous xenograft model of pancreatic ductal adenocarcinoma. <i>Journal of Controlled Release</i> , 2017, 245, 70-80.	4.8	31
10	Sonic cracking of blue-green algae. <i>Applied Acoustics</i> , 2009, 70, 1306-1312.	1.7	28
11	Intracellular Cytidine Deaminase Regulates Gemcitabine Metabolism in Pancreatic Cancer Cell Lines. <i>Drug Metabolism and Disposition</i> , 2020, 48, 153-158.	1.7	23
12	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. <i>Frontiers in Pharmacology</i> , 2020, 11, 75.	1.6	22
13	Ultrasound- and Microbubble-Assisted Gemcitabine Delivery to Pancreatic Cancer Cells. <i>Pharmaceutics</i> , 2020, 12, 141.	2.0	17
14	Acoustically Active Antibubbles. <i>Acta Physica Polonica A</i> , 2015, 127, 99-102.	0.2	16
15	Sonoporation for Augmenting Chemotherapy of Pancreatic Ductal Adenocarcinoma. <i>Methods in Molecular Biology</i> , 2020, 2059, 191-205.	0.4	14
16	Low-Intensity Sonoporation-Induced Intracellular Signalling of Pancreatic Cancer Cells, Fibroblasts and Endothelial Cells. <i>Pharmaceutics</i> , 2020, 12, 1058.	2.0	14
17	Lithium niobate transducers for MRI-guided ultrasonic microsurgery. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011, 58, 1570-1576.	1.7	13
18	Therapeutic Dose Response of Acoustic Cluster Therapy in Combination With Irinotecan for the Treatment of Human Colon Cancer in Mice. <i>Frontiers in Pharmacology</i> , 2019, 10, 1299.	1.6	13

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19	Selecting the optimal parameters for sonoporation of pancreatic cancer in a pre-clinical model. <i>Cancer Biology and Therapy</i> , 2021, 22, 204-215.	1.5	12
20	SonoVue® vs. Sonazoid®, vs. Optison®, : Which Bubble Is Best for Low-Intensity Sonoporation of Pancreatic Ductal Adenocarcinoma?. <i>Pharmaceutics</i> , 2022, 14, 98.	2.0	12
21	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. <i>Pharmaceutics</i> , 2019, 11, 319.	2.0	11
22	Acoustic Cluster Therapy (ACT®) enhances accumulation of polymeric micelles in the murine brain. <i>Journal of Controlled Release</i> , 2021, 337, 285-295.	4.8	11
23	Formulation and characterisation of drug-loaded antibubbles for image-guided and ultrasound-triggered drug delivery. <i>Ultrasonics Sonochemistry</i> , 2022, 85, 105986.	3.8	11
24	Measured acoustic intensities for clinical diagnostic ultrasound transducers and correlation with thermal index. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017, 50, 236-241.	0.9	9
25	Open-source, high-throughput ultrasound treatment chamber. <i>Biomedizinische Technik</i> , 2015, 60, 77-87.	0.9	8
26	Nonlinear Echoes from Encapsulated Antibubbles. <i>Physics Procedia</i> , 2015, 70, 1079-1082.	1.2	5
27	Glass-windowed ultrasound transducers. <i>Ultrasonics</i> , 2016, 68, 108-119.	2.1	5
28	Ultrafast Microscopy Imaging of Acoustic Cluster Therapy Bubbles: Activation and Oscillation. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 1840-1857.	0.7	5
29	Ultrasound and Microbubbles Enhance Uptake of Doxorubicin in Murine Kidneys. <i>Pharmaceutics</i> , 2021, 13, 2038.	2.0	3
30	Lithium niobate ultrasound transducers for high-resolution focused ultrasound surgery. , 2010, , .		2
31	Lab-on-a-chip device for fabrication of therapeutic microbubbles on demand. <i>Biomedizinische Technik</i> , 2013, 58 Suppl 1, .	0.9	2
32	Sonoporation: From the lab to human clinical trials. , 2014, , .		2
33	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
34	Real-time sonoporation through HeLa cells. , 2012, , .		1
35	Safety radius for algae eradication at 200 kHz – 2.5 MHz. , 2008, , .		0
36	High-frequency transducer for MR-guided FUS. <i>Biomedizinische Technik</i> , 2012, 57, .	0.9	0

#	ARTICLE	IF	CITATIONS
37	Acoustic filtering of particles in a flow regime. , 2014, , .		0
38	Transparent glass-windowed ultrasound transducers. , 2014, , .		0
39	Acoustic Cluster Therapy displays theranostic capability in enhancing the effectiveness of liposomal doxorubicin treatment of human triple negative breast cancer in mice. , 2019, , .		0
40	In vitro optimisation of sonoporation conditions in pancreatic cancer. Pancreatology, 2019, 19, S151-S152.	0.5	0
41	Selecting the Optimal Parameters for Sonoporation of Pancreatic Cancer in a Pre-Clinical Model. , 2019, , .		0
42	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