

Thies Schroeder

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

3,418
citations

394286

19
h-index

377752

34
g-index

47
all docs

47
docs citations

47
times ranked

5133
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting lactate-fueled respiration selectively kills hypoxic tumor cells in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 3930-42.	3.9	1,225
2	Elevated tumor lactate concentrations predict for an increased risk of metastases in head-and-neck cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2001, 51, 349-353.	0.4	469
3	Pleiotropic effects of HIF-1 blockade on tumor radiosensitivity. <i>Cancer Cell</i> , 2005, 8, 99-110.	7.7	381
4	The Genomic Analysis of Lactic Acidosis and Acidosis Response in Human Cancers. <i>PLoS Genetics</i> , 2008, 4, e1000293.	1.5	188
5	Catabolism of Exogenous Lactate Reveals It as a Legitimate Metabolic Substrate in Breast Cancer. <i>PLoS ONE</i> , 2013, 8, e75154.	1.1	149
6	NADPH oxidase-mediated reactive oxygen species production activates hypoxia-inducible factor-1 (HIF-1) via the ERK pathway after hyperthermia treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20477-20482.	3.3	130
7	Intertumoral differences in hypoxia selectivity of the PET imaging agent ⁶⁴ Cu(II)-diacetyl-bis(N4-methylthiosemicarbazone). <i>Journal of Nuclear Medicine</i> , 2006, 47, 989-98.	2.8	124
8	Spatial Heterogeneity and Oxygen Dependence of Glucose Consumption in R3230Ac and Fibrosarcomas of the Fischer 344 Rat. <i>Cancer Research</i> , 2005, 65, 5163-5171.	0.4	103
9	Effect of aerobic exercise on tumor physiology in an animal model of human breast cancer. <i>Journal of Applied Physiology</i> , 2010, 108, 343-348.	1.2	100
10	Metabolic classification of human rectal adenocarcinomas: a novel guideline for clinical oncologists?. <i>Journal of Cancer Research and Clinical Oncology</i> , 2003, 129, 321-326.	1.2	93
11	Metabolic mapping with bioluminescence: basic and clinical relevance. <i>New Biotechnology</i> , 2002, 18, 249-262.	2.7	75
12	Lactate as a predictive marker for tumor recurrence in patients with head and neck squamous cell carcinoma (HNSCC) post radiation: a prospective study over 15 years. <i>Clinical Oral Investigations</i> , 2016, 20, 2097-2104.	1.4	61
13	Quantitative diffuse reflectance and fluorescence spectroscopy: tool to monitor tumor physiology in vivo. <i>Journal of Biomedical Optics</i> , 2009, 14, 024010.	1.4	42
14	Sympathetic inhibition attenuates hypoxia induced insulin resistance in healthy adult humans. <i>Journal of Physiology</i> , 2012, 590, 2801-2809.	1.3	39
15	Implantable Sensors Based on Gold Nanoparticles for Continuous Long-Term Concentration Monitoring in the Body. <i>Nano Letters</i> , 2021, 21, 3325-3330.	4.5	35
16	In vivo detection of SERS-encoded plasmonic nanostars in human skin grafts and live animal models. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8215-8224.	1.9	32
17	An In Vitro System to Evaluate the Effects of Ischemia on Survival of Cells Used for Cell Therapy. <i>Annals of Biomedical Engineering</i> , 2007, 35, 1414-1424.	1.3	23
18	Quantitative Mapping of Hemodynamics in the Lung, Brain, and Dorsal Window Chamber-Grown Tumors Using a Novel, Automated Algorithm. <i>Microcirculation</i> , 2013, 20, 724-735.	1.0	21

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19	Automated measurement of blood flow velocity and direction and hemoglobin oxygen saturation in the rat lung using intravital microscopy. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013, 304, L86-L91.	1.3	19
20	Effects of High-Dose Microbeam Irradiation on Tumor Microvascular Function and Angiogenesis. <i>Radiation Research</i> , 2015, 183, 147.	0.7	19
21	Hypoxia mediated pulmonary edema: potential influence of oxidative stress, sympathetic activation and cerebral blood flow. <i>BMC Physiology</i> , 2015, 15, 4.	3.6	12
22	Methazolamide Plus Aminophylline Abrogates Hypoxia-Mediated Endurance Exercise Impairment. <i>High Altitude Medicine and Biology</i> , 2015, 16, 331-342.	0.5	11
23	Utility of functional imaging in prediction or assessment of treatment response and prognosis following radiotherapy. <i>International Journal of Hyperthermia</i> , 2010, 26, 283-293.	1.1	10
24	The combination of theophylline and endothelin receptor antagonism improves exercise performance of rats under simulated high altitude. <i>Journal of Applied Physiology</i> , 2012, 113, 1243-1252.	1.2	10
25	Bioluminescence Imaging of Glucose in Tissue Surrounding Polyurethane and Glucose Sensor Implants. <i>Journal of Diabetes Science and Technology</i> , 2010, 4, 1055-1062.	1.3	8
26	Anti-Hypotensive Treatment and Endothelin Blockade Synergistically Antagonize Exercise Fatigue in Rats under Simulated High Altitude. <i>PLoS ONE</i> , 2014, 9, e99309.	1.1	8
27	One-stop-shop tumor imaging: buy hypoxia, get lactate free. <i>Journal of Clinical Investigation</i> , 2008, 118, 1616-9.	3.9	6
28	Monitoring Metabolite Gradients in the Blood, Liver, and Tumor after Induced Hyperglycemia in Rats with R3230 Flank Tumors Using Microdialysis and Bioluminescence Imaging. , 2005, 566, 343-348.		5
29	Enhanced Drug Delivery to the Skin Using Liposomes. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2018, 6, e1739.	0.3	5
30	The Effects of Sympathetic Inhibition on Metabolic and Cardiopulmonary Responses to Exercise in Hypoxic Conditions. <i>Wilderness and Environmental Medicine</i> , 2015, 26, 520-524.	0.4	4
31	Safety and Ergogenic Properties of Combined Aminophylline and Ambrisentan in Hypoxia. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 103, 888-898.	2.3	3
32	Integrating Nanosensors into Macroporous Hydrogels for Implantation. <i>ACS Applied Bio Materials</i> , 2022, 5, 465-470.	2.3	3
33	Micovascular integration into porous polyHEMA scaffold. <i>Proceedings of SPIE</i> , 2014, , .	0.8	2
34	Automated Measurement of Microcirculatory Blood Flow Velocity in Pulmonary Metastases of Rats. <i>Journal of Visualized Experiments</i> , 2014, , e51630.	0.2	2
35	The novel combination of theophylline and bambuterol as a potential treatment of hypoxemia in humans. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017, 95, 1009-1018.	0.7	1
36	In regard to tarnawski et al., <i>IJROBP</i> 2002;52:1271-1276. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 54, 1576.	0.4	0

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37	Systemic enhancement of blood flow as a potential therapeutic strategy to counteract high altitude related health problems. FASEB Journal, 2011, 25, lb581.	0.2	0
38	An algorithm for quantification of hemodynamic properties in murine dorsal window chamber video images. FASEB Journal, 2011, 25, lb350.	0.2	0
39	Measuring drug effects on exercise endurance under extreme environmental conditions in rats using motorized wheels. FASEB Journal, 2011, 25, lb547.	0.2	0
40	Sympathetic inhibition attenuates hypoxia induced insulin resistance. FASEB Journal, 2012, 26, 1150.5.	0.2	0
41	Long-term tissue integration of porous biopolymers as a material platform for metabolic biosensor. FASEB Journal, 2012, 26, 680.24.	0.2	0
42	Blood pressure stabilization as a therapeutic approach to reverse high altitude induced loss of physical capacity. FASEB Journal, 2012, 26, 1150.3.	0.2	0
43	Combined aminophylline and ambrisentan is a potentially safe treatment of health complications after rapid ascent to high altitudes. FASEB Journal, 2013, 27, 1207.11.	0.2	0
44	Oxidative stress and induction of non-cardiogenic pulmonary edema following cerebral hypoxia in a canine model. FASEB Journal, 2013, 27, 714.23.	0.2	0
45	Safety of combined bambuterol and theophylline as a potential treatment of high altitude-induced fatigue in humans. FASEB Journal, 2016, 30, lb672.	0.2	0
46	Ergogenic effects and potential synergism of combined doxapram and acetazolamide in hypoxic rats. FASEB Journal, 2018, 32, lb263.	0.2	0
47	Pre-clinical application of aerosolized water-in-fluorocarbon emulsion intrapulmonary drug delivery system for targeting pulmonary vascular diseases. FASEB Journal, 2018, 32, 858.1.	0.2	0