

Thies Schroeder

List of Publications by Year in descending order

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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	Integrating Nanosensors into Macroporous Hydrogels for Implantation. ACS Applied Bio Materials, 2022, 5, 465-470.	2.3	3
2	Implantable Sensors Based on Gold Nanoparticles for Continuous Long-Term Concentration Monitoring in the Body. Nano Letters, 2021, 21, 3325-3330.	4.5	35
3	Safety and Ergogenic Properties of Combined Aminophylline and Ambrisentan in Hypoxia. Clinical Pharmacology and Therapeutics, 2018, 103, 888-898.	2.3	3
4	Enhanced Drug Delivery to the Skin Using Liposomes. Plastic and Reconstructive Surgery - Global Open, 2018, 6, e1739.	0.3	5
5	Ergogenic effects and potential synergism of combined doxapram and acetazolamide in hypoxic rats. FASEB Journal, 2018, 32, lb263.	0.2	0
6	Pre-clinical application of aerosolized water-in-oil-fluorocarbon emulsion intrapulmonary drug delivery system for targeting pulmonary vascular diseases. FASEB Journal, 2018, 32, 858.1.	0.2	0
7	The novel combination of theophylline and bambuterol as a potential treatment of hypoxemia in humans. Canadian Journal of Physiology and Pharmacology, 2017, 95, 1009-1018.	0.7	1
8	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. Clinical Oral Investigations, 2016, 20, 2097-2104.	1.4	61
9	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
10	Hypoxia mediated pulmonary edema: potential influence of oxidative stress, sympathetic activation and cerebral blood flow. BMC Physiology, 2015, 15, 4.	3.6	12
11	Methazolamide Plus Aminophylline Abrogates Hypoxia-Mediated Endurance Exercise Impairment. High Altitude Medicine and Biology, 2015, 16, 331-342.	0.5	11
12	Effects of High-Dose Microbeam Irradiation on Tumor Microvascular Function and Angiogenesis. Radiation Research, 2015, 183, 147.	0.7	19
13	The Effects of Sympathetic Inhibition on Metabolic and Cardiopulmonary Responses to Exercise in Hypoxic Conditions. Wilderness and Environmental Medicine, 2015, 26, 520-524.	0.4	4
14	In vivo detection of SERS-encoded plasmonic nanostars in human skin grafts and live animal models. Analytical and Bioanalytical Chemistry, 2015, 407, 8215-8224.	1.9	32
15	Micovascular integration into porous polyHEMA scaffold. Proceedings of SPIE, 2014, , .	0.8	2
16	Anti-Hypotensive Treatment and Endothelin Blockade Synergistically Antagonize Exercise Fatigue in Rats under Simulated High Altitude. PLoS ONE, 2014, 9, e99309.	1.1	8
17	Automated Measurement of Microcirculatory Blood Flow Velocity in Pulmonary Metastases of Rats. Journal of Visualized Experiments, 2014, , e51630.	0.2	2
18	Quantitative Mapping of Hemodynamics in the Lung, Brain, and Dorsal Window Chamber-Grown Tumors Using a Novel, Automated Algorithm. Microcirculation, 2013, 20, 724-735.	1.0	21

#	ARTICLE	IF	CITATIONS
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	Catabolism of Exogenous Lactate Reveals It as a Legitimate Metabolic Substrate in Breast Cancer. <i>PLoS ONE</i> , 2013, 8, e75154.	1.1	149
21	Combined aminophylline and ambrisentan is a potentially safe treatment of health complications after rapid ascent to high altitudes. <i>FASEB Journal</i> , 2013, 27, 1207.11.	0.2	0
22	Oxidative stress and induction of noncardiogenic pulmonary edema following cerebral hypoxia in a canine model. <i>FASEB Journal</i> , 2013, 27, 714.23.	0.2	0
23	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
24	Sympathetic inhibition attenuates hypoxia induced insulin resistance in healthy adult humans. <i>Journal of Physiology</i> , 2012, 590, 2801-2809.	1.3	39
25	Sympathetic inhibition attenuates hypoxia induced insulin resistance. <i>FASEB Journal</i> , 2012, 26, 1150.5.	0.2	0
26	Long-term tissue integration of porous biopolymers as a material platform for metabolic biosensor. <i>FASEB Journal</i> , 2012, 26, 680.24.	0.2	0
27	Blood pressure stabilization as a therapeutic approach to reverse high altitude induced loss of physical capacity. <i>FASEB Journal</i> , 2012, 26, 1150.3.	0.2	0
28	Systemic enhancement of blood flow as a potential therapeutic strategy to counteract high altitude related health problems. <i>FASEB Journal</i> , 2011, 25, 1b581.	0.2	0
29	An algorithm for quantification of hemodynamic properties in murine dorsal window chamber video images. <i>FASEB Journal</i> , 2011, 25, 1b350.	0.2	0
30	Measuring drug effects on exercise endurance under extreme environmental conditions in rats using motorized wheels. <i>FASEB Journal</i> , 2011, 25, 1b547.	0.2	0
31	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
32	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
33	Utility of functional imaging in prediction or assessment of treatment response and prognosis following hyperthermia. <i>International Journal of Hyperthermia</i> , 2010, 26, 283-293.	1.1	10
34	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
35	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
36	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

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37	The Genomic Analysis of Lactic Acidosis and Acidosis Response in Human Cancers. PLoS Genetics, 2008, 4, e1000293.	1.5	188
38	One-stop-shop tumor imaging: buy hypoxia, get lactate free. Journal of Clinical Investigation, 2008, 118, 1616-9.	3.9	6
39	An In Vitro System to Evaluate the Effects of Ischemia on Survival of Cells Used for Cell Therapy. Annals of Biomedical Engineering, 2007, 35, 1414-1424.	1.3	23
40	Intertumoral differences in hypoxia selectivity of the PET imaging agent ⁶⁴ Cu(II)-diacetyl-bis(N4-methylthiosemicarbazone). Journal of Nuclear Medicine, 2006, 47, 989-98.	2.8	124
41	Pleiotropic effects of HIF-1 blockade on tumor radiosensitivity. Cancer Cell, 2005, 8, 99-110.	7.7	381
42	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
43	Spatial Heterogeneity and Oxygen Dependence of Glucose Consumption in R3230Ac and Fibrosarcomas of the Fischer 344 Rat. Cancer Research, 2005, 65, 5163-5171.	0.4	103
44	Metabolic classification of human rectal adenocarcinomas: a novel guideline for clinical oncologists?. Journal of Cancer Research and Clinical Oncology, 2003, 129, 321-326.	1.2	93
45	Metabolic mapping with bioluminescence: basic and clinical relevance. New Biotechnology, 2002, 18, 249-262.	2.7	75
46	In regard to tarnawski et al., IJROBP 2002;52:1271-1276. International Journal of Radiation Oncology Biology Physics, 2002, 54, 1576.	0.4	0
47	Elevated tumor lactate concentrations predict for an increased risk of metastases in head-and-neck cancer. International Journal of Radiation Oncology Biology Physics, 2001, 51, 349-353.	0.4	469