

# Alfredo Lucas

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

357  
citations

933264

10  
h-index

839398

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

576  
citing authors

#	ARTICLE	IF	CITATIONS
1	The vascular landscape of human cancer. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	26
2	Resuscitation from hemorrhagic shock after traumatic brain injury with polymerized hemoglobin. <i>Scientific Reports</i> , 2021, 11, 2509.	1.6	18
3	Withdrawn as duplicate: Commentary: "Zooming in" on Glioblastoma: Understanding Tumor Heterogeneity and its Clinical Implications in the Era of Single-Cell Ribonucleic Acid Sequencing. <i>Neurosurgery</i> , 2021, 89, E237-E238.	0.6	0
4	Increased hemoglobin affinity for oxygen with GBT1118 improves hypoxia tolerance in sickle cell mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H400-H411.	1.5	7
5	Itaconate modulates tricarboxylic acid and redox metabolism to mitigate reperfusion injury. <i>Molecular Metabolism</i> , 2020, 32, 122-135.	3.0	83
6	Transfusion of Anaerobically or Conventionally Stored Blood After Hemorrhagic Shock. <i>Shock</i> , 2020, 53, 352-362.	1.0	28
7	Polymerized human hemoglobin facilitated modulation of tumor oxygenation is dependent on tumor oxygenation status and oxygen affinity of the hemoglobin-based oxygen carrier. <i>Scientific Reports</i> , 2020, 10, 11372.	1.6	16
8	Resuscitation From Hemorrhagic Shock With Fresh and Stored Blood and Polymerized Hemoglobin. <i>Shock</i> , 2020, 54, 464-473.	1.0	15
9	Tumor vascular status controls oxygen delivery facilitated by infused polymerized hemoglobins with varying oxygen affinity. <i>PLoS Computational Biology</i> , 2020, 16, e1008157.	1.5	5
10	Balance between oxygen transport and blood rheology during resuscitation from hemorrhagic shock with polymerized bovine hemoglobin. <i>Journal of Applied Physiology</i> , 2020, 129, 97-107.	1.2	7
11	Numerical Model for the Determination of Erythrocyte Mechanical Properties and Wall Shear Stress in vivo From Intravital Microscopy. <i>Frontiers in Physiology</i> , 2020, 10, 1562.	1.3	6
12	A Review on Microvascular Hemodynamics. <i>Critical Care Clinics</i> , 2020, 36, 293-305.	1.0	15
13	Polymerized human hemoglobin increases the effectiveness of cisplatin-based chemotherapy in non-small cell lung cancer. <i>Oncotarget</i> , 2020, 11, 3770-3781.	0.8	7
14	Prediction of Recovery From Severe Hemorrhagic Shock Using Logistic Regression. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2019, 7, 1-9.	2.2	6
15	Image Annotation by Eye Tracking: Accuracy and Precision of Centerlines of Obstructed Small-Bowel Segments Placed Using Eye Trackers. <i>Journal of Digital Imaging</i> , 2019, 32, 855-864.	1.6	5
16	Use of Accelerometry for Long Term Monitoring of Stroke Patients. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2019, 7, 1-10.	2.2	13
17	Reducing Ischemia/Reperfusion Injury by the Targeted Delivery of Nitric Oxide from Magnetic-Field-Induced Localization of S-Nitrosothiol-Coated Paramagnetic Nanoparticles. <i>ACS Applied Bio Materials</i> , 2019, 2, 2907-2919.	2.3	10
18	Doxorubicin-loaded red blood cells reduced cardiac toxicity and preserved anticancer activity. <i>Drug Delivery</i> , 2019, 26, 433-442.	2.5	32

#	ARTICLE	IF	CITATIONS
19	Red Blood Cell Metabolic Responses to Torpor and Arousal in the Hibernator Arctic Ground Squirrel. Journal of Proteome Research, 2019, 18, 1827-1841.	1.8	34
20	Increased Hemoglobin Oxygen Affinity With 5-Hydroxymethylfurfural Supports Cardiac Function During Severe Hypoxia. Frontiers in Physiology, 2019, 10, 1350.	1.3	13
21	Pharmacological Increase of Hb-O <sub>2</sub> Affinity with a Voxelator Analog Does Not Decrease Brain Tissue pO <sub>2</sub> or Limit O <sub>2</sub> Extraction in Brain Tissues of Sickle Cell Mice. Blood, 2019, 134, 3564-3564.	0.6	4
22	Use of Logistic Regression to Determine Parameter Ability for Recovery Prediction in Experimental Rat Hemorrhagic Shock Model. FASEB Journal, 2018, 32, 1b338.	0.2	0
23	Blood Quality Diagnostic Device Detects Storage Differences Between Donors. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 1400-1405.	2.7	7