

Timothy G Hammond

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,052
citations

687363

13
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

1290
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | The Intrinsic Factor-Vitamin B12 Receptor and Target of Teratogenic Antibodies Is a Megalin-binding Peripheral Membrane Protein with Homology to Developmental Proteins. <i>Journal of Biological Chemistry</i> , 1998, 273, 5235-5242. | 3.4 | 233 |
| 2 | Effects of spaceflight on murine skeletal muscle gene expression. <i>Journal of Applied Physiology</i> , 2009, 106, 582-595. | 2.5 | 205 |
| 3 | Inhibition of Nuclear Factor- κ B-Mediated Adhesion Molecule Expression in Human Endothelial Cells. <i>Circulation Research</i> , 1998, 82, 314-320. | 4.5 | 131 |
| 4 | Light chains are a ligand for megalin. <i>Journal of Applied Physiology</i> , 2005, 98, 257-263. | 2.5 | 77 |
| 5 | Renal endosomes contain angiotensin peptides, converting enzyme, and AT _{1A} receptors. <i>American Journal of Physiology - Renal Physiology</i> , 1999, 277, F303-F311. | 2.7 | 67 |
| 6 | Effects of Microgravity on the Virulence of <i>Listeria monocytogenes</i> , <i>Enterococcus faecalis</i> , <i>Candida albicans</i> , and Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Astrobiology</i> , 2013, 13, 1081-1090. | 3.0 | 51 |
| 7 | Diamagnetic levitation changes growth, cell cycle, and gene expression of <i>Saccharomyces cerevisiae</i> . <i>Biotechnology and Bioengineering</i> , 2007, 98, 854-863. | 3.3 | 46 |
| 8 | <i>Saccharomyces cerevisiae</i> gene expression changes during rotating wall vessel suspension culture. <i>Journal of Applied Physiology</i> , 2002, 93, 2171-2180. | 2.5 | 40 |
| 9 | Characterization of bimodal cell death of insect cells in a rotating-wall vessel and shaker flask. , 1999, 64, 14-26. | | 25 |
| 10 | Genes Required for Survival in Microgravity Revealed by Genome-Wide Yeast Deletion Collections Cultured during Spaceflight. <i>BioMed Research International</i> , 2015, 2015, 1-10. | 1.9 | 23 |
| 11 | Human proximal tubular cell responses to angiotensin II analyzed using DNA microarray. <i>European Journal of Pharmacology</i> , 2003, 464, 87-94. | 3.5 | 18 |
| 12 | Effects of Space Flight on Mouse Liver versus Kidney: Gene Pathway Analyses. <i>International Journal of Molecular Sciences</i> , 2018, 19, 4106. | 4.1 | 17 |
| 13 | Is There a Space-Based Technology Solution to Problems with Preclinical Drug Toxicity Testing?. <i>Pharmaceutical Research</i> , 2016, 33, 1545-1551. | 3.5 | 15 |
| 14 | Expression of renal cell protein markers is dependent on initial mechanical culture conditions. <i>Journal of Applied Physiology</i> , 2002, 92, 691-700. | 2.5 | 14 |
| 15 | The Bonn Criteria: Minimal Experimental Parameter Reporting for Clinostat and Random Positioning Machine Experiments with Cells and Tissues. <i>Microgravity Science and Technology</i> , 2011, 23, 271-275. | 1.4 | 14 |
| 16 | Novel Sfp1 Transcriptional Regulation of <i>Saccharomyces cerevisiae</i> Gene Expression Changes During Spaceflight. <i>Astrobiology</i> , 2008, 8, 1071-1078. | 3.0 | 13 |
| 17 | Analysis and isolation of renal tubular cells by flow cytometry. <i>Kidney International</i> , 1992, 42, 997-1005. | 5.2 | 11 |
| 18 | Transcriptional regulation of changes in growth, cell cycle, and gene expression of <i>Saccharomyces cerevisiae</i> due to changes in buoyancy. <i>Biotechnology and Bioengineering</i> , 2008, 100, 334-343. | 3.3 | 10 |

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|----|---|-----|-----------|
| 19 | Physical Forces Modulate Oxidative Status and Stress Defense Mediated Metabolic Adaptation of Yeast Colonies: Spaceflight and Microgravity Simulations. <i>Microgravity Science and Technology</i> , 2018, 30, 195-208. | 1.4 | 10 |
| 20 | Effects of Microgravity on the Virulence of <i>Salmonella</i> Toward <i>Caenorhabditis elegans</i> . <i>New Space</i> , 2013, 1, 123-131. | 0.8 | 7 |
| 21 | Role of Shear Stress on Renal Proximal Tubular Cells for Nephrotoxicity Assays. <i>Journal of Toxicology</i> , 2021, 2021, 1-6. | 3.0 | 7 |
| 22 | Hepatocyte CYP2B6 Can Be Expressed in Cell Culture Systems by Exerting Physiological Levels of Shear: Implications for ADME Testing. <i>Journal of Toxicology</i> , 2017, 2017, 1-5. | 3.0 | 5 |
| 23 | Validation of Assays for Reactive Oxygen Species and Glutathione in <i>Saccharomyces cerevisiae</i> during Microgravity Simulation. <i>Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research</i> , 2015, 3, 42-53. | 0.8 | 4 |
| 24 | Gene Pathways Analysis of the Effects of Suspension Culture on Primary Human Renal Proximal Tubular Cells. <i>Microgravity Science and Technology</i> , 2018, 30, 951-963. | 1.4 | 3 |
| 25 | Establishing a Low Redox Potential in Giant Yeast Colonies: Effects of Media and Rotation. <i>Gravitational and Space Research: Publication of the American Society for Gravitational and Space Research</i> , 2016, 4, 27-38. | 0.8 | 3 |
| 26 | Cell spinpods are a simple inexpensive suspension culture device to deliver fluid shear stress to renal proximal tubular cells. <i>Scientific Reports</i> , 2021, 11, 21296. | 3.3 | 2 |
| 27 | Yeast in Space. , 2019, , 1-16. | | 1 |
| 28 | Vaccines in Space. , 2019, , 1-17. | | 0 |
| 29 | Yeast in Space. , 2022, , 717-732. | | 0 |
| 30 | Vaccines in Space. , 2022, , 805-821. | | 0 |