

Janna C Nawroth

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,459
citations

448610

19
h-index

685536

24
g-index

28
all docs

28
docs citations

28
times ranked

4295
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A Computational Model for Tail Undulation and Fluid Transport in the Giant Larvacean. <i>Fluids</i> , 2021, 6, 88. | 0.8 | 4 |
| 2 | Modeling alcohol-associated liver disease in a human Liver-Chip. <i>Cell Reports</i> , 2021, 36, 109393. | 2.9 | 37 |
| 3 | Effect of swarm configuration on fluid transport during vertical collective motion. <i>Bioinspiration and Biomimetics</i> , 2020, 15, 015002. | 1.5 | 2 |
| 4 | A Microengineered Airway Lung Chip Models Key Features of Viral-induced Exacerbation of Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 591-600. | 1.4 | 75 |
| 5 | Stem cells and lung regeneration. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C675-C693. | 2.1 | 50 |
| 6 | Multiscale mechanics of mucociliary clearance in the lung. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190160. | 1.8 | 31 |
| 7 | Robotic fluidic coupling and interrogation of multiple vascularized organ chips. <i>Nature Biomedical Engineering</i> , 2020, 4, 407-420. | 11.6 | 256 |
| 8 | Stem cell-based Lung-on-Chips: The best of both worlds?. <i>Advanced Drug Delivery Reviews</i> , 2019, 140, 12-32. | 6.6 | 52 |
| 9 | Reproducing human and cross-species drug toxicities using a Liver-Chip. <i>Science Translational Medicine</i> , 2019, 11, . | 5.8 | 287 |
| 10 | Automated fabrication of photopatterned gelatin hydrogels for organ-on-chips applications. <i>Biofabrication</i> , 2018, 10, 025004. | 3.7 | 48 |
| 11 | Organ-on-a-Chip Systems for Women's Health Applications. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700550. | 3.9 | 31 |
| 12 | A linked organ-on-chip model of the human neurovascular unit reveals the metabolic coupling of endothelial and neuronal cells. <i>Nature Biotechnology</i> , 2018, 36, 865-874. | 9.4 | 310 |
| 13 | Motile cilia create fluid-mechanical microhabitats for the active recruitment of the host microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9510-9516. | 3.3 | 93 |
| 14 | Laminar ventricular myocardium on a microelectrode array-based chip. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3534-3543. | 2.9 | 60 |
| 15 | Matched-Comparative Modeling of Normal and Diseased Human Airway Responses Using a Microengineered Breathing Lung Chip. <i>Cell Systems</i> , 2016, 3, 456-466.e4. | 2.9 | 227 |
| 16 | Cilia beating patterns are not hydrodynamically optimal. <i>Physics of Fluids</i> , 2014, 26, . | 1.6 | 46 |
| 17 | How Does Soft Robotics Drive Research in Animal Locomotion?. <i>Soft Robotics</i> , 2014, 1, 161-168. | 4.6 | 10 |
| 18 | Mixing and transport by ciliary carpets: a numerical study. <i>Journal of Fluid Mechanics</i> , 2014, 743, 124-140. | 1.4 | 78 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Design standards for engineered tissues. <i>Biotechnology Advances</i> , 2013, 31, 632-637. | 6.0 | 11 |
| 20 | Modeling of cardiac muscle thin films: Pre-stretch, passive and active behavior. <i>Journal of Biomechanics</i> , 2012, 45, 832-841. | 0.9 | 52 |
| 21 | A tissue-engineered jellyfish with biomimetic propulsion. <i>Nature Biotechnology</i> , 2012, 30, 792-797. | 9.4 | 536 |
| 22 | High-Resolution Three-Dimensional Extracellular Recording of Neuronal Activity With Microfabricated Electrode Arrays. <i>Journal of Neurophysiology</i> , 2009, 101, 1671-1678. | 0.9 | 67 |
| 23 | An Energy Budget for the Olfactory Glomerulus. <i>Journal of Neuroscience</i> , 2007, 27, 9790-9800. | 1.7 | 68 |