## Christian Mhlfeld

# List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

3,625 28 115 57 g-index h-index citations papers 168 5.32 5.1 4,331 L-index avg, IF ext. citations ext. papers

| #   | Paper   | IF                | Citations |
|-----|---|-------------------|-----------|
| 115 | Voluntary activity reverses spermidine-induced myocardial fibrosis and lipid accumulation in the obese male mouse. <i>Histochemistry and Cell Biology</i> , <b>2021</b> , 155, 75-88  | 2.4               | 1         |
| 114 | Design-Based Stereology of the Lung in the Hyperoxic Preterm Rabbit Model of Bronchopulmonary Dysplasia. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 4293279   | 6.7               | 0         |
| 113 | Evaluating registrations of serial sections with distortions of the ground truths. <i>IEEE Access</i> , <b>2021</b> , 1-1   | 3.5               | 1         |
| 112 | Combination of µCT and light microscopy for generation-specific stereological analysis of pulmonary arterial branches: a proof-of-concept study. <i>Histochemistry and Cell Biology</i> , <b>2021</b> , 155, 227-201.                       | 2 <del>39</del> 1 | 4         |
| 111 | Loss of autophagy protein ATG5 impairs cardiac capacity in mice and humans through diminishing mitochondrial abundance and disrupting Ca2+ cycling. <i>Cardiovascular Research</i> , <b>2021</b> ,  | 9.9               | 4         |
| 110 | Cardioprotection with esmolol-based cardioplegia for non-infarcted and infarcted rat hearts. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2021</b> , 60, 908-917   | 3                 |           |
| 109 | Lipofibroblasts in Structurally Normal, Fibrotic, and Emphysematous Human Lungs. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 204, 227-230   | 10.2              | 2         |
| 108 | Capillary Changes Precede Disordered Alveolarization in a Mouse Model of Bronchopulmonary Dysplasia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2021</b> , 65, 81-91  | 5.7               | 6         |
| 107 | Stereology and three-dimensional reconstructions to analyze the pulmonary vasculature. <i>Histochemistry and Cell Biology</i> , <b>2021</b> , 156, 83-93  | 2.4               | O         |
| 106 | The plate body: 3D ultrastructure of a facultative organelle of alveolar epithelial type II cells involved in SP-A trafficking. <i>Histochemistry and Cell Biology</i> , <b>2021</b> , 155, 261-269   | 2.4               | 2         |
| 105 | Nicotinamide for the treatment of heart failure with preserved ejection fraction. <i>Science Translational Medicine</i> , <b>2021</b> , 13,   | 17.5              | 38        |
| 104 | Dietary Carbohydrates and Fat Induce Distinct Surfactant Alterations in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2021</b> , 64, 379-390   | 5.7               | 3         |
| 103 | Spermidine supplementation and voluntary activity differentially affect obesity-related structural changes in the mouse lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2020</b> , 319, L312-L324 | 5.8               | 2         |
| 102 | Identification of as a candidate gene in hypertrophic cardiomyopathy and Tetralogy of Fallot, and its functional evaluation in the heart. <i>DMM Disease Models and Mechanisms</i> , <b>2020</b> , 13,                                      | 4.1               | 5         |
| 101 | miR-21-KO Alleviates Alveolar Structural Remodeling and Inflammatory Signaling in Acute Lung Injury. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,   | 6.3               | 8         |
| 100 | The Three-Dimensional Ultrastructure of the Human Alveolar Epithelium Revealed by Focused Ion Beam Electron Microscopy. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,  | 6.3               | 3         |
| 99  | Enabling Manual Intervention for Otherwise Automated Registration of Large Image Series. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 23-33   | 0.9               | 1         |

### (2018-2020)

| 98 | A transmural gradient of myocardial remodeling in early-stage heart failure with preserved ejection fraction in the pig. <i>Journal of Anatomy</i> , <b>2020</b> , 236, 531-539  | 2.9          | 6  |
|----|--|--------------|----|
| 97 | A lung tropic AAV vector improves survival in a mouse model of surfactant B deficiency. <i>Nature Communications</i> , <b>2020</b> , 11, 3929  | 17.4         | 12 |
| 96 | Aging impairs alveolar epithelial type II cell function in acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2020</b> , 319, L755-L769  | 5.8          | 12 |
| 95 | Novel cell contact between podocyte microprojections and parietal epithelial cells analyzed by volume electron microscopy. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 318, F1246-F1251                           | 4.3          | 3  |
| 94 | Volume-CLEM: a method for correlative light and electron microscopy in three dimensions. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2019</b> , 317, L778-L784   | 5.8          | 7  |
| 93 | Cardioprotection by spermidine does not depend on structural characteristics of the myocardial microcirculation in aged mice. <i>Experimental Gerontology</i> , <b>2019</b> , 119, 82-88   | 4.5          | 2  |
| 92 | Spermidine and Voluntary Activity Exert Differential Effects on Sucrose- Compared with Fat-Induced Systemic Changes in Male Mice. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 451-462   | 4.1          | 7  |
| 91 | Voluntary Activity Modulates Sugar-Induced Elastic Fiber Remodeling in the Alveolar Region of the Mouse Lung. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,   | 6.3          | 5  |
| 90 | Estimation of absolute number of alveolar epithelial type 2 cells in mouse lungs: a comparison between stereology and flow cytometry. <i>Journal of Microscopy</i> , <b>2019</b> , 275, 36-50  | 1.9          | 9  |
| 89 | On the Topological Complexity of Human Alveolar Epithelial Type 1 Cells. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2019</b> , 199, 1153-1156  | 10.2         | 17 |
| 88 | Age-Related Structural and Functional Changes in the Mouse Lung. Frontiers in Physiology, 2019, 10, 146  | <b>54</b> .6 | 22 |
| 87 | Assessment of the Alveolar Capillary Network in the Postnatal Mouse Lung in 3D Using Serial Block-Face Scanning Electron Microscopy. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 1357   | 4.6          | 10 |
| 86 | Influence of Medication-Induced Preconditioning or Remote Ischemic Preconditioning on the Intrinsic Vascular Extracellular RNA/Ribonuclease System in Cardioprotection. <i>Thoracic and Cardiovascular Surgeon</i> , <b>2019</b> , 67, 494-501 | 1.6          | 3  |
| 85 | Air-blood barrier thickening and alterations of alveolar epithelial type 2 cells in mouse lungs with disrupted hepcidin/ferroportin regulatory system. <i>Histochemistry and Cell Biology</i> , <b>2019</b> , 151, 217-228                     | 2.4          | 2  |
| 84 | Low testosterone in ApoE/LDL receptor double-knockout mice is associated with rarefied testicular capillaries together with fewer and smaller Leydig cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 5424                                  | 4.9          | 10 |
| 83 | Blood cardioplegia for cardiac surgery in acute myocardial infarction: rat experiments with two widely used solutions. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2018</b> , 27, 88-94  | 1.8          | 2  |
| 82 | Localization of Exogenous Mesenchymal Stem Cells in a Pig Model of Lung Transplantation. <i>Thoracic and Cardiovascular Surgeon</i> , <b>2018</b> , 66, 63-70  | 1.6          | 1  |
| 81 | Burst-Like Transcription of Mutant and Wildtype -Alleles as Possible Origin of Cell-to-Cell Contractile Imbalance in Hypertrophic Cardiomyopathy. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 359  | 4.6          | 26 |

| 80 | Recent developments in 3-D reconstruction and stereology to study the pulmonary vasculature.<br>American Journal of Physiology - Lung Cellular and Molecular Physiology, <b>2018</b> , 315, L173-L183  | 5.8              | 13  |
|----|--|------------------|-----|
| 79 | Stereological assessment of the blood-air barrier and the surfactant system after mesenchymal stem cell pretreatment in a porcine non-heart-beating donor model for lung transplantation.  Journal of Anatomy, 2018, 232, 283-295              | 2.9              | 2   |
| 78 | Cellular and acellular ex vivo lung perfusion preserve functional lung ultrastructure in a large animal model: a stereological study. <i>Respiratory Research</i> , <b>2018</b> , 19, 238  | 7.3              | 6   |
| 77 | Hands-on or no hands-on training in ultrasound imaging: A randomized trial to evaluate learning outcomes and speed of recall of topographic anatomy. <i>Anatomical Sciences Education</i> , <b>2018</b> , 11, 575-59                           | 1 <sup>6.8</sup> | 20  |
| 76 | Arterial hypertension drives arrhythmia progression via specific structural remodeling in a porcine model of atrial fibrillation. <i>Heart Rhythm</i> , <b>2018</b> , 15, 1328-1336  | 6.7              | 13  |
| 75 | Aging exacerbates acute lung injury-induced changes of the air-blood barrier, lung function, and inflammation in the mouse. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2017</b> , 312, L1-L12         | 5.8              | 46  |
| 74 | Dietary spermidine for lowering high blood pressure. <i>Autophagy</i> , <b>2017</b> , 13, 767-769  | 10.2             | 44  |
| 73 | Disruption of the Hepcidin/Ferroportin Regulatory System Causes Pulmonary Iron Overload and Restrictive Lung Disease. <i>EBioMedicine</i> , <b>2017</b> , 20, 230-239  | 8.8              | 32  |
| 72 | Surfactant replacement therapy reduces acute lung injury and collapse induration-related lung remodeling in the bleomycin model. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2017</b> , 313, L313-L327 | 5.8              | 29  |
| 71 | Effect of irradiation/bone marrow transplantation on alveolar epithelial type II cells is aggravated in surfactant protein D deficient mice. <i>Histochemistry and Cell Biology</i> , <b>2017</b> , 147, 49-61                                 | 2.4              | 4   |
| 70 | Digital 3D reconstructions using histological serial sections of lung tissue including the alveolar capillary network. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2017</b> , 312, L243-L257           | 5.8              | 22  |
| 69 | Assessment of cardiac fibrosis: a morphometric method comparison for collagen quantification. <i>Journal of Applied Physiology</i> , <b>2017</b> , 122, 1019-1030  | 3.7              | 44  |
| 68 | Lipid-body containing interstitial cells (lipofibroblasts) in the lungs of various mouse strains. <i>Journal of Anatomy</i> , <b>2017</b> , 231, 970-977   | 2.9              | 1   |
| 67 | Experimentally induced intrauterine growth restriction in rabbits leads to differential remodelling of left versus right ventricular myocardial microstructure. <i>Histochemistry and Cell Biology</i> , <b>2017</b> , 148, 557-567            | 2.4              | 17  |
| 66 | Mechanisms of lung aging. Cell and Tissue Research, 2017, 367, 469-480   | 4.2              | 80  |
| 65 | Quantification of muscle pathology in infantile Pompe disease. <i>Neuromuscular Disorders</i> , <b>2017</b> , 27, 141-   | 15.8             | 12  |
| 64 | Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , <b>2016</b> , 22, 1428-1438  | 50.5             | 532 |
| 63 | Early-stage heart failure with preserved ejection fraction in the pig: a cardiovascular magnetic resonance study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2016</b> , 18, 63   | 6.9              | 23  |

### (2014-2016)

| 62 | Postnatal development of the bronchiolar club cells of distal airways in the mouse lung: stereological and molecular biological studies. <i>Cell and Tissue Research</i> , <b>2016</b> , 364, 543-557                                 | 4.2 | 8  |
|----|---|-----|----|
| 61 | The effect of amifostine on lung ischaemia-reperfusion injury in rats. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2016</b> , 23, 273-9   | 1.8 | 3  |
| 60 | Thrombin stimulates albumin transcytosis in lung microvascular endothelial cells via activation of acid sphingomyelinase. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2016</b> , 310, L720-32 | 5.8 | 25 |
| 59 | Using electron microscopes to look into the lung. <i>Histochemistry and Cell Biology</i> , <b>2016</b> , 146, 695-707   | 2.4 | 23 |
| 58 | Cardiomyocyte loss is not required for the progression of left ventricular hypertrophy induced by pressure overload in female mice. <i>Journal of Anatomy</i> , <b>2016</b> , 229, 75-81  | 2.9 | 4  |
| 57 | Differences in ischemic damage between young and old heartsEffects of blood cardioplegia. <i>Experimental Gerontology</i> , <b>2015</b> , 67, 3-8   | 4.5 | 16 |
| 56 | Systemic, but not cardiomyocyte-specific, deletion of the natriuretic peptide receptor guanylyl cyclase A increases cardiomyocyte number in neonatal mice. <i>Histochemistry and Cell Biology</i> , <b>2015</b> , 144, 365-75         | 2.4 | 6  |
| 55 | Staining histological lung sections with Sudan Black B or Sudan III for automated identification of alveolar epithelial type II cells. <i>Acta Histochemica</i> , <b>2015</b> , 117, 675-80   | 2   | 3  |
| 54 | Assessing particle and fiber toxicology in the respiratory system: the stereology toolbox. <i>Particle and Fibre Toxicology</i> , <b>2015</b> , 12, 35  | 8.4 | 26 |
| 53 | Estimation of the number of alveolar capillaries by the Euler number (Euler-Poincar©characteristic). <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2015</b> , 309, L1286-93                     | 5.8 | 20 |
| 52 | A review of recent developments and applications of morphometry/stereology in lung research. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2015</b> , 309, L526-36                              | 5.8 | 32 |
| 51 | Low-dose adrenomedullin-2/intermedin(8-47) reduces pulmonary ischemia/reperfusion injury. <i>Peptides</i> , <b>2014</b> , 62, 49-54   | 3.8 | 4  |
| 50 | Effects of Lewis lung carcinoma and B16 melanoma on the innervation of the mouse trachea. <i>Autonomic Neuroscience: Basic and Clinical</i> , <b>2014</b> , 183, 106-10   | 2.4 | 2  |
| 49 | Expression of fibulin-6 in failing hearts and its role for cardiac fibroblast migration. <i>Cardiovascular Research</i> , <b>2014</b> , 103, 509-20   | 9.9 | 22 |
| 48 | Quantitative morphology of the vascularisation of organs: A stereological approach illustrated using the cardiac circulation. <i>Annals of Anatomy</i> , <b>2014</b> , 196, 12-9  | 2.9 | 18 |
| 47 | How common is the lipid body-containing interstitial cell in the mammalian lung?. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2014</b> , 307, L386-94   | 5.8 | 41 |
| 46 | Is warm or cold Calafiore blood cardioplegia better? Hemodynamic, metabolic, and electron microscopic differences. <i>Thoracic and Cardiovascular Surgeon</i> , <b>2014</b> , 62, 683-9   | 1.6 | 7  |
| 45 | Allometry of left ventricular myocardial innervation. <i>Journal of Anatomy</i> , <b>2014</b> , 224, 518-26   | 2.9 | 3  |

| 44 | The number of cardiac myocytes in the hypertrophic and hypotrophic left ventricle of the obese and calorie-restricted mouse heart. <i>Journal of Anatomy</i> , <b>2014</b> , 225, 539-47  | 2.9  | 11  |
|----|---|------|-----|
| 43 | Mesenchymal stem cell pretreatment of non-heart-beating-donors in experimental lung transplantation. <i>Journal of Cardiothoracic Surgery</i> , <b>2014</b> , 9, 151  | 1.6  | 11  |
| 42 | Controlled lung reperfusion to reduce pulmonary ischaemia/reperfusion injury after cardiopulmonary bypass in a porcine model. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2014</b> , 19, 962-70   | 1.8  | 9   |
| 41 | Quantitative microscopy of the lung: a problem-based approach. Part 2: stereological parameters and study designs in various diseases of the respiratory tract. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2013</b> , 305, L205-21 | 5.8  | 94  |
| 40 | Quantitative microscopy of the lung: a problem-based approach. Part 1: basic principles of lung stereology. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2013</b> , 305, L15-22  | 5.8  | 119 |
| 39 | Hypoinnervation is an early event in experimental myocardial remodelling induced by pressure overload. <i>Journal of Anatomy</i> , <b>2013</b> , 222, 634-44  | 2.9  | 11  |
| 38 | Surfactant application in experimental lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , <b>2013</b> , 32, 355-9   | 5.8  | 3   |
| 37 | Stereology and morphometry of lung tissue. <i>Methods in Molecular Biology</i> , <b>2013</b> , 931, 367-90  | 1.4  | 44  |
| 36 | Alveolar epithelial type II cells and their microenvironment in the caveolin-1-deficient mouse. <i>Anatomical Record</i> , <b>2012</b> , 295, 196-200   | 2.1  | 7   |
| 35 | Myocardial remodelling in left ventricular atrophy induced by caloric restriction. <i>Journal of Anatomy</i> , <b>2012</b> , 220, 179-85  | 2.9  | 18  |
| 34 | Lung preservation in experimental ischemia/reperfusion injury and lung transplantation: a comparison of natural and synthetic surfactants. <i>Journal of Heart and Lung Transplantation</i> , <b>2012</b> , 31, 85-93   | 5.8  | 17  |
| 33 | Stereological characterization of left ventricular cardiomyocytes, capillaries, and innervation in the nondiabetic, obese mouse. <i>Cardiovascular Pathology</i> , <b>2012</b> , 21, 346-54   | 3.8  | 16  |
| 32 | Cancer cachexia alters intracellular surfactant metabolism but not total alveolar surface area. <i>Histochemistry and Cell Biology</i> , <b>2012</b> , 138, 803-13  | 2.4  | 2   |
| 31 | Macroscopic to microscopic scales of particle dosimetry: from source to fate in the body. <i>Air Quality, Atmosphere and Health</i> , <b>2012</b> , 5, 169-187  | 5.6  | 22  |
| 30 | Differential effects of long and short carbon nanotubes on the gas-exchange region of the mouse lung. <i>Nanotoxicology</i> , <b>2012</b> , 6, 867-79   | 5.3  | 23  |
| 29 | Mitochondrial biogenesis and PGC-1deacetylation by chronic treadmill exercise: differential response in cardiac and skeletal muscle. <i>Basic Research in Cardiology</i> , <b>2011</b> , 106, 1221-34   | 11.8 | 67  |
| 28 | Cholinergic chemosensory cells in the trachea regulate breathing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 9478-83   | 11.5 | 192 |
| 27 | Cancer induces cardiomyocyte remodeling and hypoinnervation in the left ventricle of the mouse heart. <i>PLoS ONE</i> , <b>2011</b> , 6, e20424   | 3.7  | 39  |

### (2007-2010)

| 26 | Allometry of the mammalian intracellular pulmonary surfactant system. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 1662-9  | 3.7  | 15  |  |
|----|---|------|-----|--|
| 25 | Exogenous surfactant in ischemia/reperfusion: effects on endogenous surfactant pools. <i>Journal of Heart and Lung Transplantation</i> , <b>2010</b> , 29, 327-34   | 5.8  | 17  |  |
| 24 | Phosphorylation of extrajunctional Cx43 in ischemic-preconditioned rat hearts. <i>Journal of Surgical Research</i> , <b>2010</b> , 162, e1-8  | 2.5  | 5   |  |
| 23 | A review of state-of-the-art stereology for better quantitative 3D morphology in cardiac research. <i>Cardiovascular Pathology</i> , <b>2010</b> , 19, 65-82  | 3.8  | 116 |  |
| 22 | An unbiased stereological method for efficiently quantifying the innervation of the heart and other organs based on total length estimations. <i>Journal of Applied Physiology</i> , <b>2010</b> , 108, 1402-9      | 3.7  | 20  |  |
| 21 | Is length an appropriate estimator to characterize pulmonary alveolar capillaries? A critical evaluation in the human lung. <i>Anatomical Record</i> , <b>2010</b> , 293, 1270-5                                    | 2.1  | 24  |  |
| 20 | Intracellular imaging of nanoparticles: is it an elemental mistake to believe what you see?. <i>Particle and Fibre Toxicology</i> , <b>2010</b> , 7, 15   | 8.4  | 64  |  |
| 19 | Quantitative evaluation of cellular uptake and trafficking of plain and polyethylene glycol-coated gold nanoparticles. <i>Small</i> , <b>2010</b> , 6, 1669-78  | 11   | 277 |  |
| 18 | High-pressure freezing, chemical fixation and freeze-substitution for immuno-electron microscopy. <i>Methods in Molecular Biology</i> , <b>2010</b> , 611, 87-101   | 1.4  | 3   |  |
| 17 | Contractile function is preserved in unloaded hearts despite atrophic remodeling. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2009</b> , 137, 742-6  | 1.5  | 24  |  |
| 16 | Particles induce apical plasma membrane enlargement in epithelial lung cell line depending on particle surface area dose. <i>Respiratory Research</i> , <b>2009</b> , 10, 22  | 7.3  | 19  |  |
| 15 | Exogenous surfactant application in a rat lung ischemia reperfusion injury model: effects on edema formation and alveolar type II cells. <i>Respiratory Research</i> , <b>2008</b> , 9, 5                           | 7.3  | 16  |  |
| 14 | Methylprednisolone fails to preserve pulmonary surfactant and blood-air barrier integrity in a porcine cardiopulmonary bypass model. <i>Journal of Surgical Research</i> , <b>2008</b> , 146, 57-65                 | 2.5  | 12  |  |
| 13 | Interactions of nanoparticles with pulmonary structures and cellular responses. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2008</b> , 294, L817-29                         | 5.8  | 142 |  |
| 12 | Increased airway smooth muscle mass in children with asthma, cystic fibrosis, and non-cystic fibrosis bronchiectasis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2008</b> , 177, 837-43 | 10.2 | 127 |  |
| 11 | Effect of voluntary exercise on number and volume of cardiomyocytes and their mitochondria in the mouse left ventricle. <i>Basic Research in Cardiology</i> , <b>2008</b> , 103, 12-21                              | 11.8 | 57  |  |
| 10 | Translocation and cellular entering mechanisms of nanoparticles in the respiratory tract. <i>Swiss Medical Weekly</i> , <b>2008</b> , 138, 387-91   | 3.1  | 89  |  |
| 9  | Truncated recombinant human SP-D attenuates emphysema and type II cell changes in SP-D deficient mice. <i>Respiratory Research</i> , <b>2007</b> , 8, 70  | 7.3  | 59  |  |

| 8 | Impact of preservation solution on the extent of blood-air barrier damage and edema formation in experimental lung transplantation. <i>Anatomical Record</i> , <b>2007</b> , 290, 491-500  | 2.1  | 12  |
|---|--|------|-----|
| 7 | Visualization and quantitative analysis of nanoparticles in the respiratory tract by transmission electron microscopy. <i>Particle and Fibre Toxicology</i> , <b>2007</b> , 4, 11  | 8.4  | 101 |
| 6 | Re-evaluation of pulmonary titanium dioxide nanoparticle distribution using the "relative deposition index": Evidence for clearance through microvasculature. <i>Particle and Fibre Toxicology</i> , <b>2007</b> , 4, 7                  | 8.4  | 55  |
| 5 | Distribution of intracellular and secreted surfactant during postnatal rat lung development. <i>Pediatric Pulmonology</i> , <b>2007</b> , 42, 548-62   | 3.5  | 17  |
| 4 | A novel quantitative method for analyzing the distributions of nanoparticles between different tissue and intracellular compartments. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2007</b> , 20, 395-407         |      | 41  |
| 3 | Myocardial ischemia tolerance in the newborn rat involving opioid receptors and mitochondrial K+channels. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , <b>2006</b> , 288, 297-303 |      | 11  |
| 2 | High-pressure freezing and freeze substitution of rat myocardium for immunogold labeling of connexin 43. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , <b>2006</b> , 288, 1059-67  |      | 25  |
| 1 | Alteration of the pulmonary surfactant system in full-term infants with hereditary ABCA3 deficiency. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2006</b> , 174, 571-80                                       | 10.2 | 124 |