# Christopher Lotz

List of Publications by Year
in descending order



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|---|---|---|---|
| 18 papers | 505 citations | 758635 12 h-index | 839053 18 g-index |
| 21 all docs | 21 docs citations | 21 times ranked | 762 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pro- and Anti-Inflammatory Responses in Severe COVID-19-Induced Acute Respiratory Distress Syndromeâ€"An Observational Pilot Study. Frontiers in Immunology, 2020, 11, 581338. | 2.2 | 75 |
| 2 | Characterization, Design, and Function of the Mitochondrial Proteome: From Organs to Organisms. Journal of Proteome Research, 2014, 13, 433-446. | 1.8 | 59 |
| 3 | Comparison of Isoflurane-, Sevoflurane-, and Desflurane-Induced Pre- and Postconditioning Against Myocardial Infarction in Mice In Vivo. Experimental Biology and Medicine, 2009, 234, 1186-1191. | 1.1 | 54 |
| 4 | Desflurane-induced Postconditioning Is Mediated by Î²-Adrenergic Signaling. Anesthesiology, 2009, 110, 516-528. | 1.3 | 38 |
| 5 | Desflurane-Induced Preconditioning Has a Threshold That Is Lowered by Repetitive Application and Is Mediated by Î²2-Adrenergic Receptors. Journal of Cardiothoracic and Vascular Anesthesia, 2009, 23, 607-613. | 0.6 | 36 |
| 6 | Volatile Anesthetic-Induced Cardiac Protection: Molecular Mechanisms, Clinical Aspects, and Interactions With Nonvolatile Agents. Journal of Cardiothoracic and Vascular Anesthesia, 2015, 29, 749-760. | 0.6 | 36 |
| 7 | Clinical Significance of Micronutrient Supplementation in Critically Ill COVID-19 Patients with Severe ARDS. Nutrients, 2021, 13, 2113. | 1.7 | 36 |
| 8 | Activation of peroxisome-proliferator-activated receptors Î± and Î³ mediates remote ischemic preconditioning against myocardial infarction in vivo. Experimental Biology and Medicine, 2011, 236, 113-122. | 1.1 | 32 |
| 9 | Vitamin D deficiency in critically ill COVID-19 ARDS patients. Clinical Nutrition, 2022, 41, 3089-3095. | 2.3 | 24 |
| 10 | Propofol Inhibits Desflurane-Induced Preconditioning in Rabbits. Journal of Cardiothoracic and Vascular Anesthesia, 2011, 25, 276-281. | 0.6 | 22 |
| 11 | Isoflurane Protects the Myocardium Against Ischemic Injury via the Preservation of Mitochondrial Respiration and Its Supramolecular Organization. Anesthesia and Analgesia, 2015, 120, 265-274. | 1.1 | 20 |
| 12 | Differential Role of Calcium/Calmodulin-dependent Protein Kinase II in Desflurane-induced Preconditioning and Cardioprotection by Metoprolol. Anesthesiology, 2008, 109, 72-80. | 1.3 | 18 |
| 13 | Sevoflurane as opposed to propofol anesthesia preserves mitochondrial function and alleviates myocardial ischemia/reperfusion injury. Biomedicine and Pharmacotherapy, 2020, 129, 110417. | 2.5 | 13 |
| 14 | Biodistribution and serologic response in SARS-CoV-2 induced ARDS: A cohort study. PLoS ONE, 2020, 15, e0242917. | 1.1 | 12 |
| 15 | Mitochondria and Pharmacologic Cardiac Conditioningâ€"At the Heart of Ischemic Injury. International Journal of Molecular Sciences, 2021, 22, 3224. | 1.8 | 10 |
| 16 | New Frontiers in Myocardial Protection: A Systems Biology Approach. Journal of Cardiovascular Pharmacology and Therapeutics, 2011, 16, 285-289. | 1.0 | 7 |
| 17 | Unconventional approaches to mechanical ventilationâ€"step-by-step through the COVID-19 crisis. Critical Care, 2020, 24, 233. | 2.5 | 7 |
| 18 | Activation of Adenosine-Monophosphateâ€“Activated Protein Kinase Abolishes Desflurane-Induced Preconditioning Against Myocardial Infarction In Vivo. Journal of Cardiothoracic and Vascular Anesthesia, 2011, 25, 66-71. | 0.6 | 6 |