Konstantin Mayer

List of Publications by Year
in descending order

78 papers	5,062 citations	147726 31 h-index	91828 69 g-index
80 all docs	80 docs citations	80 times ranked	5382 citing authors

#	Article	IF	Citations
1	Costâ€Effectiveness of Parenteral Nutrition Containing Ï‰â€3 Fatty Acids in Hospitalized Adult Patients From 5 European Countries and the US. Journal of Parenteral and Enteral Nutrition, 2021, 45, 999-1008.	1.3	9
2	Assessment of Short- and Medium-Chain Fatty Acids on Mitochondrial Function in Severe Inflammation. Methods in Molecular Biology, 2021, 2277, 125-132.	0.4	4
3	Viral load-guided immunosuppression after lung transplantation (VIGILung)â€"study protocol for a randomized controlled trial. Trials, 2021, 22, 48.	0.7	15
4	Ï‰â€3 Fattyâ€Acid Enriched Parenteral Nutrition in Hospitalized Patients: Systematic Review With Metaâ€Analysis and Trial Sequential Analysis. Journal of Parenteral and Enteral Nutrition, 2020, 44, 44-57.	1.3	92
5	Decreased Thymic Output Contributes to Immune Defects in Septic Patients. Journal of Clinical Medicine, 2020, 9, 2695.	1.0	4
6	Omega-3 fatty acid-containing parenteral nutrition in ICU patients: systematic review with meta-analysis and cost-effectiveness analysis. Critical Care, 2020, 24, 634.	2.5	30
7	Immunomodulation by an Omega-6 Fatty Acid Reduced Mixed Lipid Emulsion in Murine Acute Respiratory Distress Syndrome. Journal of Clinical Medicine, 2020, 9, 2048.	1.0	4
8	Summary of Proceedings and Expert Consensus Statements From the International Summit â€œLipids in Parenteral Nutritionâ€. Journal of Parenteral and Enteral Nutrition, 2020, 44, S7-S20.	1.3	25
9	Lipid Use in Hospitalized Adults Requiring Parenteral Nutrition. Journal of Parenteral and Enteral Nutrition, 2020, 44, S28-S38.	1.3	15
10	Monitoring nutrition in the ICU. Clinical Nutrition, 2019, 38, 584-593.	2.3	105
11	Clinical Nutrition in Critical Care Medicine â€" Guideline of the German Society for Nutritional Medicine (DGEM). Clinical Nutrition ESPEN, 2019, 33, 220-275.	0.5	68
12	Indefinite cytomegalovirus prophylaxis with valganciclovir after lung transplantation. Transplant Infectious Disease, 2019, 21, e13138.	0.7	5
13	Resolvin E1 Improves Mitochondrial Function in Human Alveolar Epithelial Cells during Severe Inflammation. Lipids, 2019, 54, 53-65.	0.7	15
14	Intravenous n-3 fatty acids in the critically ill. Current Opinion in Clinical Nutrition and Metabolic Care, 2019, 22, 124-128.	1.3	7
15	Control Interventions Can Impact Alveolarization and the Transcriptome in Developing Mouse Lungs. Anatomical Record, 2019, 302, 346-363.	0.8	6
16	ESPEN guideline on clinical nutrition in the intensive care unit. Clinical Nutrition, 2019, 38, 48-79.	2.3	1,610
17	Commentary on â€œFish Oilâ€"Containing Lipid Emulsions in Adult Parenteral Nutrition: A Review of the Evidenceâ€. Journal of Parenteral and Enteral Nutrition, 2019, 43, 454-455.	1.3	2
18	Resident alveolar macrophages are master regulators of arrested alveolarization in experimental bronchopulmonary dysplasia. Journal of Pathology, 2018, 245, 153-159.	2.1	50

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19	Stereological analysis of individual lung lobes during normal and aberrant mouse lung alveolarisation. Journal of Anatomy, 2018, 232, 472-484.	0.9	10
20	Transmission of microRNA antimiRs to mouse offspring via the maternalâ€“placentalâ€“fetal unit. Rna, 2018, 24, 865-879.	1.6	5
21	Lipids in the intensive care unit: Recommendations from the ESPEN Expert Group. Clinical Nutrition, 2018, 37, 1-18.	2.3	97
22	Resolvin E1 and its precursor 18R-HEPE restore mitochondrial function in inflammation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 1016-1028.	1.2	20
23	Modelling bronchopulmonary dysplasia in mice: how much oxygen is enough?. DMM Disease Models and Mechanisms, 2017, 10, 185-196.	1.2	84
24	Caffeine administration modulates TGF-Î² signaling but does not attenuate blunted alveolarization in a hyperoxia-based mouse model of bronchopulmonary dysplasia. Pediatric Research, 2017, 81, 795-805.	1.1	35
25	Stereological monitoring of mouse lung alveolarization from the early postnatal period to adulthood. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L882-L895.	1.3	71
26	TGF-Î² inhibits alveolar protein transport by promoting shedding, regulated intramembrane proteolysis, and transcriptional downregulation of megalin. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L807-L824.	1.3	11
27	Perturbations to lysyl oxidase expression broadly influence the transcriptome of lung fibroblasts. Physiological Genomics, 2017, 49, 416-429.	1.0	27
28	Restoration of Megalin-Mediated Clearance of Alveolar Protein as a Novel Therapeutic Approach for Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 589-602.	1.4	14
29	Tamoxifen dosing for Cre-mediated recombination in experimental bronchopulmonary dysplasia. Transgenic Research, 2017, 26, 165-170.	1.3	8
30	Use of very old donors for lung transplantation: a dual-centre retrospective analysis. European Journal of Cardio-thoracic Surgery, 2017, 52, 1049-1054.	0.6	17
31	Hypercapnia Impairs ENaC Cell Surface Stability by Promoting Phosphorylation, Polyubiquitination and Endocytosis of Î²-ENaC in a Human Alveolar Epithelial Cell Line. Frontiers in Immunology, 2017, 8, 591.	2.2	29
32	N-3 vs. n-6 fatty acids differentially influence calcium signalling and adhesion of inflammatory activated monocytes: impact of lipid rafts. Inflammation Research, 2016, 65, 881-894.	1.6	13
33	FXYD1 negatively regulates Na+/K+-ATPase activity in lung alveolar epithelial cells. Respiratory Physiology and Neurobiology, 2016, 220, 54-61.	0.7	15
34	Intravenous Lipids in Adult Intensive Care Unit Patients. World Review of Nutrition and Dietetics, 2015, 112, 120-126.	0.1	7
35	Immunomodulation by lipid emulsions in pulmonary inflammation: a randomized controlled trial. Critical Care, 2015, 19, 226.	2.5	35
36	The H₂S-generating enzymes cystathionine Î²-synthase and cystathionine Î³-lyase play a role in vascular development during normal lung alveolarization. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L710-L724.	1.3	46

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37	Collagen and elastin cross-linking is altered during aberrant late lung development associated with hyperoxia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L1145-L1158.	1.3	59
38	PPAR-Î± activation reduced LPS-induced inflammation in alveolar epithelial cells. Experimental Lung Research, 2015, 41, 393-403.	0.5	25
39	Assessment of Short- and Medium-Chain Fatty Acids on Mitochondrial Function in Severe Inflammation. Methods in Molecular Biology, 2015, 1265, 389-396.	0.4	4
40	Transglutaminase 2: a new player in bronchopulmonary dysplasia?. European Respiratory Journal, 2014, 44, 109-121.	3.1	23
41	Lysyl Oxidases Play a Causal Role in Vascular Remodeling in Clinical and Experimental Pulmonary Arterial Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1446-1458.	1.1	97
42	Impact of Shortâ€•and Mediumâ€Chain Fatty Acids on Mitochondrial Function in Severe Inflammation. Journal of Parenteral and Enteral Nutrition, 2014, 38, 587-594.	1.3	38
43	Cost-effectiveness of omega-3 fatty acid supplements in parenteral nutrition therapy in hospitals: A discrete event simulation model. Clinical Nutrition, 2014, 33, 785-792.	2.3	24
44	Immunomodulation by fish-oil containing lipid emulsions in murine acute respiratory distress syndrome. Critical Care, 2014, 18, R85.	2.5	26
45	Response to the Letter to the Editor Regarding the Impact of Shortâ€•and Mediumâ€Chain Fatty Acids on Mitochondrial Function in Severe Inflammation. Journal of Parenteral and Enteral Nutrition, 2013, 37, 568-569.	1.3	2
46	Supplementation in Acute Lung Injury. JAMA - Journal of the American Medical Association, 2012, 307, 144; author reply 145-6.	3.8	12
47	n-3 fatty acid-enriched parenteral nutrition regimens in elective surgical and ICU patients: a meta-analysis. Critical Care, 2012, 16, R184.	2.5	139
48	Lipids in critical care medicine. Prostaglandins Leukotrienes and Essential Fatty Acids, 2011, 85, 267-273.	1.0	46
49	Acute Lung Injury: How Macrophages Orchestrate Resolution of Inflammation and Tissue Repair. Frontiers in Immunology, 2011, 2, 65.	2.2	262
50	Effects of short-term infusion of lipid emulsions on pro-inflammatory cytokines and lymphocyte apoptosis in septic and non-septic rats. British Journal of Nutrition, 2011, 106, 27-32.	1.2	1
51	INDUCTION OF LYMPHOCYTE APOPTOSIS IN A MURINE MODEL OF ACUTE LUNG INJURY-MODULATION BY LIPID EMULSIONS. Shock, 2010, 33, 179-188.	1.0	15
52	Fish Oil in Critical Illness: Mechanisms and Clinical Applications. Critical Care Clinics, 2010, 26, 501-514.	1.0	39
53	Fish oil-containing lipid emulsions in patients with sepsis. Critical Care, 2010, 14, 128.	2.5	9
54	Acute Lung Injury Is Reduced in <i>fat-1</i> Mice Endogenously Synthesizing n-3 Fatty Acids. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 474-483.	2.5	50

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55	Exocrine pancreatic involvement in critically ill patients. Current Opinion in Clinical Nutrition and Metabolic Care, 2009, 12, 168-174.	1.3	14
56	Fatty acids differentially influence phosphatidylinositol 3-kinase signal transduction in endothelial cells: Impact on adhesion and apoptosis. Atherosclerosis, 2008, 197, 630-637.	0.4	24
57	Clinical Aspects of Acute Lung Insufficiency (ALI/TRALI). Transfusion Medicine and Hemotherapy, 2008, 35, 80-88.	0.7	10
58	Fish oil in critical illness. Current Opinion in Clinical Nutrition and Metabolic Care, 2008, 11, 121-127.	1.3	77
59	Immune modulation by parenteral lipids: Platelet activating factor is not the only clue. Critical Care Medicine, 2007, 35, 1444-1445.	0.4	2
60	Immunomodulation by n-3- versus n-6-rich lipid emulsions in murine acute lung injuryâ€"Role of platelet-activating factor receptor. Critical Care Medicine, 2007, 35, 544-554.	0.4	28
61	Fish oil in the critically ill: from experimental to clinical data. Current Opinion in Clinical Nutrition and Metabolic Care, 2006, 9, 140-148.	1.3	73
62	Free arachidonic versus eicosapentaenoic acid differentially influences the potency of bacterial exotoxins to provoke myocardial depression in isolated rat hearts. Critical Care Medicine, 2006, 34, 118-126.	0.4	36
63	Improved fatty acid and leukotriene pattern with a novel lipid emulsion in surgical patients. European Journal of Nutrition, 2006, 45, 55-60.	1.8	148
64	Long chain triglyceride (LCT)â€based lipid emulsions increase and olive oil(OO)â€based lipid emulsions decrease leukocyte invasion and mortality in a model of acute lung injury. FASEB Journal, 2006, 20, A1055.	0.2	0
65	Ï‰-3 vs. Ï‰-6 lipid emulsions exert differential influence on neutrophils in septic shock patients: impact on plasma fatty acids and lipid mediator generation. Intensive Care Medicine, 2003, 29, 1472-1481.	3.9	167
66	Parenteral Nutrition with Fish Oil Modulates Cytokine Response in Patients with Sepsis. American Journal of Respiratory and Critical Care Medicine, 2003, 167, 1321-1328.	2.5	219
67	Short-Time Infusion of Fish Oil-Based Lipid Emulsions, Approved for Parenteral Nutrition, Reduces Monocyte Proinflammatory Cytokine Generation and Adhesive Interaction with Endothelium in Humans. Journal of Immunology, 2003, 171, 4837-4843.	0.4	170
68	A doubleâ€blind, randomized, placeboâ€controlled trial of nâ€3 versus nâ€6 fatty acidâ€based lipid infusion in atopic dermatitis. Journal of Parenteral and Enteral Nutrition, 2002, 26, 151-158.	1.3	62
69	Ï‰-3 Fatty acids suppress monocyte adhesion to human endothelial cells: role of endothelial PAF generation. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H811-H818.	1.5	103
70	Distinct pathways of lipopolysaccharide priming of human neutrophil respiratory burst: Role of lipid mediator synthesis and sensitivity to interleukin-10. Critical Care Medicine, 2002, 30, 2306-2312.	0.4	13
71	In vitro mimicry of essential fatty acid deficiency in human endothelial cells by TNFÎ± impact of Ï‰-3 versus Ï‰-6 fatty acids. Journal of Lipid Research, 2002, 43, 944-951.	2.0	39
72	In vitro mimicry of essential fatty acid deficiency in human endothelial cells by TNFalpha impact of omega-3 versus omega-6 fatty acids. Journal of Lipid Research, 2002, 43, 944-51.	2.0	30

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73	The PDE inhibitor zaprinast enhances NO-mediated protection against vascular leakage in reperfused lungs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L496-L502.	1.3	12
74	PAF-induced synthesis of tetraenoic and pentaenoic leukotrienes in the isolated rabbit lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L268-L275.	1.3	18
75	Monocyte Migration Through the Alveolar Epithelial Barrier: Adhesion Molecule Mechanisms and Impact of Chemokines. Journal of Immunology, 2000, 164, 427-435.	0.4	120
76	Severe Microcirculatory Abnormalities Elicited by<i>E. coli</i> Hemolysin in the Rabbit Ileum Mucosa. American Journal of Respiratory and Critical Care Medicine, 1999, 160, 1171-1178.	2.5	21
77	Abnormalities of Gastric Mucosal Oxygenation in Septic Shock. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 1586-1592.	2.5	157
78	Clinical use of lipids to control inflammatory disease. Current Opinion in Clinical Nutrition and Metabolic Care, 1998, 1, 179-184.	1.3	28