

Sascha David

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

3,922
citations

109321

35
h-index

133252

59
g-index

111
all docs

111
docs citations

111
times ranked

5732
citing authors

#	ARTICLE	IF	CITATIONS
1	PGC-1 β promotes recovery after acute kidney injury during systemic inflammation in mice. Journal of Clinical Investigation, 2011, 121, 4003-4014.	8.2	404
2	COVID-19 immune signatures reveal stable antiviral T β cell function despite declining humoral responses. Immunity, 2021, 54, 340-354.e6.	14.3	177
3	The clinically approved drugs amiodarone, dronedarone and verapamil inhibit filovirus cell entry. Journal of Antimicrobial Chemotherapy, 2014, 69, 2123-2131.	3.0	159
4	Angiotensin-2 may contribute to multiple organ dysfunction and death in sepsis*. Critical Care Medicine, 2012, 40, 3034-3041.	0.9	150
5	Excess circulating angiotensin-2 is a strong predictor of mortality in critically ill medical patients. Critical Care, 2008, 12, R147.	5.8	136
6	The synthetic Tie2 agonist peptide vasculotide protects against vascular leakage and reduces mortality in murine abdominal sepsis. Critical Care, 2011, 15, R261.	5.8	114
7	Early therapeutic plasma exchange in septic shock: a prospective open-label nonrandomized pilot study focusing on safety, hemodynamics, vascular barrier function, and biologic markers. Critical Care, 2018, 22, 285.	5.8	113
8	Reappearance of effector T cells is associated with recovery from COVID-19. EBioMedicine, 2020, 57, 102885.	6.1	109
9	Circulating cardiovascular microRNAs in critically ill COVID-19 patients. European Journal of Heart Failure, 2021, 23, 468-475.	7.1	107
10	Time course of angiotensin-2 release during experimental human endotoxemia and sepsis. Critical Care, 2009, 13, R64.	5.8	90
11	Injury to the Endothelial Glycocalyx in Critically Ill Patients with COVID-19. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1178-1181.	5.6	89
12	Effects of a synthetic PEG-ylated Tie-2 agonist peptide on endotoxemic lung injury and mortality. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 300, L851-L862.	2.9	88
13	Diagnostic value of N-terminal pro-B-type natriuretic peptide (NT-proBNP) for left ventricular dysfunction in patients with chronic kidney disease stage 5 on haemodialysis. Nephrology Dialysis Transplantation, 2007, 23, 1370-1377.	0.7	87
14	Between inflammation and thrombosis: endothelial cells in COVID-19. European Respiratory Journal, 2021, 58, 2100377.	6.7	86
15	Gene control of tyrosine kinase TIE2 and vascular manifestations of infections. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2472-2477.	7.1	85
16	Acute administration of recombinant Angiotensin-1 ameliorates multiple-organ dysfunction syndrome and improves survival in murine sepsis. Cytokine, 2011, 55, 251-259.	3.2	84
17	Clinical course, treatment and outcome of Pneumocystis pneumonia in immunocompromised adults: a retrospective analysis over 17 years. Critical Care, 2018, 22, 307.	5.8	81
18	Angiotensin-1 Requires IQ Domain GTPase-Activating Protein 1 to Activate Rac1 and Promote Endothelial Barrier Defense. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 2643-2652.	2.4	77

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19	Circulating angiotensin-1 and angiotensin-2 in critically ill patients: development and clinical application of two new immunoassays. <i>Critical Care</i> , 2008, 12, R94.	5.8	73
20	Angiotensin-2 in patients requiring renal replacement therapy in the ICU: relation to acute kidney injury, multiple organ dysfunction syndrome and outcome. <i>Intensive Care Medicine</i> , 2010, 36, 462-470.	8.2	73
21	Mending Leaky Blood Vessels: The Angiotensin-Tie2 Pathway in Sepsis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 345, 2-6.	2.5	72
22	Angiotensin-2 levels predict mortality in CKD patients. <i>Nephrology Dialysis Transplantation</i> , 2012, 27, 1867-1872.	0.7	71
23	Angiotensin 2 and Cardiovascular Disease in Dialysis and Kidney Transplantation. <i>American Journal of Kidney Diseases</i> , 2009, 53, 770-778.	1.9	64
24	Circulating angiotensin-2 levels increase with progress of chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 2571-2579.	0.7	63
25	Lung-Targeted RNA Interference Against Angiotensin-2 Ameliorates Multiple Organ Dysfunction and Death in Sepsis. <i>Critical Care Medicine</i> , 2014, 42, e654-e662.	0.9	61
26	Development of an Optimized LC-MS Method for the Detection of Specialized Pro-Resolving Mediators in Biological Samples. <i>Frontiers in Pharmacology</i> , 2019, 10, 169.	3.5	59
27	Circulating angiotensin-2 in essential hypertension: relation to atherosclerosis, vascular inflammation, and treatment with olmesartan/pravastatin. <i>Journal of Hypertension</i> , 2009, 27, 1641-1647.	0.5	56
28	Endothelial dysfunction contributes to severe COVID-19 in combination with dysregulated lymphocyte responses and cytokine networks. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 418.	17.1	54
29	Effect of extracorporeal cytokine removal on vascular barrier function in a septic shock patient. <i>Journal of Intensive Care</i> , 2017, 5, 12.	2.9	52
30	Impaired function of the Tie-2 receptor contributes to vascular leakage and lethality in anthrax. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10024-10029.	7.1	50
31	Prospective evaluation of an in-centre conversion from conventional haemodialysis to an intensified nocturnal strategy. <i>Nephrology Dialysis Transplantation</i> , 2009, 24, 2232-2240.	0.7	48
32	Therapeutic plasma exchange in acute liver failure. <i>Journal of Clinical Apheresis</i> , 2019, 34, 589-597.	1.3	42
33	Angiotensin-2 predicts disease-free survival after allogeneic stem cell transplantation in patients with high-risk myeloid malignancies. <i>Blood</i> , 2008, 112, 2139-2148.	1.4	41
34	Adjuvant therapeutic plasma exchange in septic shock. <i>Intensive Care Medicine</i> , 2021, 47, 352-354.	8.2	41
35	Drug Repurposing Screen Identifies Foxo1-Dependent Angiotensin-2 Regulation in Sepsis*. <i>Critical Care Medicine</i> , 2015, 43, e230-e240.	0.9	37
36	Effect of therapeutic plasma exchange on endothelial activation and coagulation-related parameters in septic shock. <i>Critical Care</i> , 2020, 24, 71.	5.8	36

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37	Endothelial-to-mesenchymal transition shapes the atherosclerotic plaque and modulates macrophage function. <i>FASEB Journal</i> , 2019, 33, 2278-2289.	0.5	35
38	Altered fibrin clot structure and dysregulated fibrinolysis contribute to thrombosis risk in severe COVID-19. <i>Blood Advances</i> , 2022, 6, 1074-1087.	5.2	35
39	Intracranial Hemorrhages on Extracorporeal Membrane Oxygenation. <i>Critical Care Medicine</i> , 2022, Publish Ahead of Print, .	0.9	33
40	Comparison of anticoagulation strategies for veno-venous ECMO support in acute respiratory failure. <i>Critical Care</i> , 2020, 24, 701.	5.8	30
41	A Retrospective Analysis of Nonocclusive Mesenteric Ischemia in Medical and Surgical ICU Patients: Clinical Data on Demography, Clinical Signs, and Survival. <i>Journal of Intensive Care Medicine</i> , 2020, 35, 1162-1172.	2.8	28
42	Extracorporeal cytokine removal in severe CAR-T cell associated cytokine release syndrome. <i>Journal of Critical Care</i> , 2020, 57, 124-129.	2.2	25
43	Heavy metal-rely on gut feelings: novel diagnostic approach to test drug compliance in patients with lanthanum intake. <i>Nephrology Dialysis Transplantation</i> , 2007, 22, 2091-2092.	0.7	23
44	First do no harm—beware the risk of therapeutic plasma exchange in severe COVID-19. <i>Critical Care</i> , 2020, 24, 363.	5.8	23
45	Angiotensin-2 and Biliary Diseases: Elevated Serum, but Not Bile Levels Are Associated with Cholangiocarcinoma. <i>PLoS ONE</i> , 2014, 9, e97046.	2.5	23
46	Clinical and biochemical endpoints and predictors of response to plasma exchange in septic shock: results from a randomized controlled trial. <i>Critical Care</i> , 2022, 26, 134.	5.8	21
47	Direct evidence of SARS-CoV-2 in gut endothelium. <i>Intensive Care Medicine</i> , 2020, 46, 2081-2082.	8.2	20
48	Long-term ketamine infusion-induced cholestatic liver injury in COVID-19-associated acute respiratory distress syndrome. <i>Critical Care</i> , 2022, 26, .	5.8	19
49	Targeting the "sweet spot" in septic shock—A perspective on the endothelial glycocalyx regulating proteins Heparanase-1 and -2. <i>Matrix Biology Plus</i> , 2021, 12, 100095.	3.5	18
50	Molecular Regulation of Acute Tie2 Suppression in Sepsis. <i>Critical Care Medicine</i> , 2018, 46, e928-e936.	0.9	17
51	Immunoglobulin deficiency as an indicator of disease severity in patients with COVID-19. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L590-L599.	2.9	17
52	18F-FDG PET/CT of off-target lymphoid organs in CD19-targeting chimeric antigen receptor T-cell therapy for relapsed or refractory diffuse large B-cell lymphoma. <i>Annals of Nuclear Medicine</i> , 2021, 35, 132-138.	2.2	17
53	Extracorporeal Membrane Oxygenation for Severe ARDS Due to Immune Diffuse Alveolar Hemorrhage. <i>Chest</i> , 2020, 157, 744-747.	0.8	14
54	Soluble neprilysin, NT-proBNP, and growth differentiation factor-15 as biomarkers for heart failure in dialysis patients (SONGBIRD). <i>Clinical Research in Cardiology</i> , 2020, 109, 1035-1047.	3.3	14

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55	Nonocclusive Mesenteric Ischemia and Interventional Local Vasodilatory Therapy: A Meta-Analysis and Systematic Review of the Literature. <i>Journal of Intensive Care Medicine</i> , 2020, 35, 128-139.	2.8	13
56	Dual Pharmacological Inhibition of Angiotensin-2 and VEGF-A in Murine Experimental Sepsis. <i>Journal of Vascular Research</i> , 2020, 57, 34-45.	1.4	13
57	Effects of therapeutic plasma exchange on the endothelial glycocalyx in septic shock. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 57.	1.9	13
58	Absence of SARS-CoV-2 RNA in COVID-19-associated intestinal endothelialitis. <i>Intensive Care Medicine</i> , 2021, 47, 359-360.	8.2	12
59	Angiotensin-1 Requires Oxidant Signaling through p47phox to Promote Endothelial Barrier Defense. <i>PLoS ONE</i> , 2015, 10, e0119577.	2.5	12
60	“Better be awake” a role for awake extracorporeal membrane oxygenation in acute respiratory distress syndrome due to Pneumocystis pneumonia. <i>Critical Care</i> , 2019, 23, 418.	5.8	11
61	Single- and multiple-dose pharmacokinetics and total removal of colistin in critically ill patients with acute kidney injury undergoing prolonged intermittent renal replacement therapy. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 997-1002.	3.0	11
62	Therapeutic plasma exchange in acute on chronic liver failure. <i>Journal of Clinical Apheresis</i> , 2020, 35, 316-327.	1.3	10
63	What every intensivist should know about Tocilizumab. <i>Critical Care</i> , 2021, 25, 262.	5.8	10
64	Identification of specific Tie2 cleavage sites and therapeutic modulation in experimental sepsis. <i>ELife</i> , 2020, 9, .	6.0	10
65	Flunarizine suppresses endothelial Angiotensin-2 in a calcium - dependent fashion in sepsis. <i>Scientific Reports</i> , 2017, 7, 44113.	3.3	9
66	SP-D Serum Levels Reveal Distinct Epithelial Damage in Direct Human ARDS. <i>Journal of Clinical Medicine</i> , 2021, 10, 737.	2.4	9
67	Neurological management and work-up of neurotoxicity associated with CAR T cell therapy. <i>Neurological Research and Practice</i> , 2022, 4, 1.	2.0	9
68	Effect of Therapeutic Plasma Exchange on Immunoglobulin Deficiency in Early and Severe Septic Shock. <i>Journal of Intensive Care Medicine</i> , 2021, 36, 1491-1497.	2.8	8
69	Extracorporeal membrane oxygenation in non-intubated immunocompromised patients. <i>Critical Care</i> , 2021, 25, 164.	5.8	8
70	Predictors of response to intra-arterial vasodilatory therapy of non-occlusive mesenteric ischemia in patients with severe shock: results from a prospective observational study. <i>Critical Care</i> , 2022, 26, 92.	5.8	8
71	Role of angiotensin-2 in infection “ A double-edged sword?. <i>Cytokine</i> , 2016, 83, 61-63.	3.2	7
72	BRAF Inhibition in a Lung Transplant Recipient With Metastatic Melanoma. <i>JAMA Dermatology</i> , 2016, 152, 228.	4.1	7

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73	Extracorporeal membrane oxygenation for acute respiratory distress syndrome due to <i>Pneumocystis pneumonia</i> . <i>European Respiratory Journal</i> , 2019, 54, 1900410.	6.7	7
74	Multiplexed, high-throughput measurements of cell contraction and endothelial barrier function. <i>Laboratory Investigation</i> , 2019, 99, 138-145.	3.7	7
75	Non-occlusive mesenteric ischemia (NOMI): evaluation of 2D-perfusion angiography (2D-PA) for early treatment response assessment. <i>Abdominal Radiology</i> , 2020, 45, 3342-3351.	2.1	7
76	Role of endothelial microRNA 155 on capillary leakage in systemic inflammation. <i>Critical Care</i> , 2021, 25, 76.	5.8	7
77	Unraveling the secret of re-balancing homeostasis in sepsis: a critical view on extracorporeal blood purification modalities. <i>Intensive Care Medicine</i> , 2021, , 1.	8.2	7
78	Cationic amphiphilic drugs enhance entry of lentiviral particles pseudotyped with rabies virus glycoprotein into non-neuronal cells. <i>Antiviral Research</i> , 2015, 124, 122-131.	4.1	5
79	Differential Effects of Gut-Homing Molecules CC Chemokine Receptor 9 and Integrin- β 7 during Acute Graft-versus-Host Disease of the Liver. <i>Biology of Blood and Marrow Transplantation</i> , 2015, 21, 2069-2078.	2.0	5
80	The importance of intravenous immunoglobulin treatment in critically ill patients with necrotizing soft tissue infection: a retrospective cohort study. <i>BMC Infectious Diseases</i> , 2022, 22, 168.	2.9	5
81	miR-125b regulates chemotaxis and survival of bone marrow derived granulocytes in vitro and in vivo. <i>PLoS ONE</i> , 2018, 13, e0204942.	2.5	4
82	Flow-dependent regulation of endothelial Tie2 by GATA3 in vivo. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 38.	1.9	4
83	COMPLEMENT INHIBITION FOR THE TREATMENT OF COVID-19 TRIGGERED THROMBOTIC MICROANGIOPATHY WITH CARDIAC FAILURE—a case report. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab386.	0.6	4
84	It takes two to bleed: anticoagulation intensity and the host's vascular susceptibility. <i>Intensive Care Medicine</i> , 2022, 48, 619-620.	8.2	4
85	Involvement of Angiopoietin-2 and Tie2 Receptor Phosphorylation in STEC-HUS Mediated by <i>Escherichia coli</i> O104:H4. <i>Mediators of Inflammation</i> , 2015, 2015, 1-7.	3.0	3
86	The Janus Face of Coronavirus Disease 2019—Associated Coagulopathy. <i>Critical Care Medicine</i> , 2021, 49, e1049-e1050.	0.9	3
87	Near real-time observation reveals increased prevalence of young patients in the ICU during the emerging third SARS-CoV-2 wave in Switzerland. <i>Swiss Medical Weekly</i> , 2021, 151, w20553.	1.6	3
88	Activated Clotting Time (ACT) for Monitoring of Low-Dose Heparin: Performance Characteristics in Healthy Adults and Critically Ill Patients. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2020, 26, 107602962097549.	1.7	3
89	Circulating angiopoietin-1 could be confounded by ex vivo platelet activation. <i>Kidney International</i> , 2011, 79, 687.	5.2	2
90	Maintenance Immunosuppression Is Associated With Better Outcome in the 2017/2018 Influenza Epidemic. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz381.	0.9	2

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91	Modulation of the Permeability-Inducing Factor Angiopoietin-2 Through Bifonazole in Systemic Inflammation. <i>Shock</i> , 2021, 56, 1049-1056.	2.1	2
92	Quantification of experimental acute kidney injury by computer-assisted imaging of lectin phytohemagglutinin E. <i>Journal of Nephrology</i> , 2013, 26, 385-388.	2.0	2
93	Where is the imperceptible difference?. <i>Intensive Care Medicine</i> , 2022, , 1.	8.2	2
94	Staying Awake in Severe Acute Respiratory Distress Syndrome: A Perspective on Immunocompromised Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 738-739.	5.6	1
95	Donor-derived IL-17A and IL-17F deficiency triggers Th1 allo-responses and increases gut leakage during acute GVHD. <i>PLoS ONE</i> , 2020, 15, e0231222.	2.5	0
96	High Incidence of Epileptiform Potentials During Continuous EEG Monitoring in Critically Ill COVID-19 Patients. <i>Frontiers in Medicine</i> , 2021, 8, 613951.	2.6	0
97	Circulating Angiopoietin-2 Predicts Time to Relapse after Allogeneic Hematopoietic Stem Cell Transplantation for Acute Myeloid Leukemia.. <i>Blood</i> , 2008, 112, 3259-3259.	1.4	0
98	The Endothelial Receptor Tyrosine Kinase Tie2 is Essential for Vascular Integrity Dependent/Independent of Inflammation. <i>FASEB Journal</i> , 2015, 29, LB99.	0.5	0