

Sascha David

List of Publications by Citations

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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.

98
papers

2,603
citations

30
h-index

49
g-index

111
ext. papers

3,316
ext. citations

6.7
avg, IF

5.01
L-index

#	Paper	IF	Citations
98	PGC-1 β promotes recovery after acute kidney injury during systemic inflammation in mice. <i>Journal of Clinical Investigation</i> , 2011 , 121, 4003-14	15.9	303
97	The clinically approved drugs amiodarone, dronedarone and verapamil inhibit filovirus cell entry. <i>Journal of Antimicrobial Chemotherapy</i> , 2014 , 69, 2123-31	5.1	140
96	Angiopietin-2 may contribute to multiple organ dysfunction and death in sepsis*. <i>Critical Care Medicine</i> , 2012 , 40, 3034-41	1.4	123
95	Excess circulating angiopoietin-2 is a strong predictor of mortality in critically ill medical patients. <i>Critical Care</i> , 2008 , 12, R147	10.8	120
94	The synthetic tie2 agonist peptide vasculotide protects against vascular leakage and reduces mortality in murine abdominal sepsis. <i>Critical Care</i> , 2011 , 15, R261	10.8	92
93	COVID-19 immune signatures reveal stable antiviral T β cell function despite declining humoral responses. <i>Immunity</i> , 2021 , 54, 340-354.e6	32.3	87
92	Effects of a synthetic PEG-ylated Tie-2 agonist peptide on endotoxemic lung injury and mortality. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011 , 300, L851-62	5.8	76
91	Time course of angiopoietin-2 release during experimental human endotoxemia and sepsis. <i>Critical Care</i> , 2009 , 13, R64	10.8	74
90	Early therapeutic plasma exchange in septic shock: a prospective open-label nonrandomized pilot study focusing on safety, hemodynamics, vascular barrier function, and biologic markers. <i>Critical Care</i> , 2018 , 22, 285	10.8	70
89	Acute administration of recombinant Angiopietin-1 ameliorates multiple-organ dysfunction syndrome and improves survival in murine sepsis. <i>Cytokine</i> , 2011 , 55, 251-9	4	68
88	Circulating angiopoietin-1 and angiopoietin-2 in critically ill patients: development and clinical application of two new immunoassays. <i>Critical Care</i> , 2008 , 12, R94	10.8	67
87	Angiopietin-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, 462-70	14.5	66
86	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. <i>Nephrology Dialysis Transplantation</i> , 2008 , 23, 1370-7	4.3	66
85	Reappearance of effector T cells is associated with recovery from COVID-19. <i>EBioMedicine</i> , 2020 , 57, 102885	8.8	65
84	Angiopietin-1 requires IQ domain GTPase-activating protein 1 to activate Rac1 and promote endothelial barrier defense. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 2643-52	9.4	64
83	Gene control of tyrosine kinase TIE2 and vascular manifestations of infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2472-7	11.5	63
82	Angiopietin-2 levels predict mortality in CKD patients. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 1867-72	4.3	61

81	Injury to the Endothelial Glycocalyx in Critically Ill Patients with COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 1178-1181	10.2	54
80	Angiotensin 2 and cardiovascular disease in dialysis and kidney transplantation. <i>American Journal of Kidney Diseases</i> , 2009 , 53, 770-8	7.4	53
79	Circulating angiotensin-2 levels increase with progress of chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2010 , 25, 2571-6	4.3	52
78	Lung-targeted RNA interference against angiotensin-2 ameliorates multiple organ dysfunction and death in sepsis. <i>Critical Care Medicine</i> , 2014 , 42, e654-62	1.4	50
77	Mending leaky blood vessels: the angiotensin-Tie2 pathway in sepsis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013 , 345, 2-6	4.7	48
76	Circulating angiotensin-2 in essential hypertension: relation to atherosclerosis, vascular inflammation, and treatment with olmesartan/pravastatin. <i>Journal of Hypertension</i> , 2009 , 27, 1641-7	1.9	47
75	Clinical course, treatment and outcome of Pneumocystis pneumonia in immunocompromised adults: a retrospective analysis over 17 years. <i>Critical Care</i> , 2018 , 22, 307	10.8	46
74	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, 10024-9	11.5	42
73	Prospective evaluation of an in-centre conversion from conventional haemodialysis to an intensified nocturnal strategy. <i>Nephrology Dialysis Transplantation</i> , 2009 , 24, 2232-40	4.3	40
72	Angiotensin-2 predicts disease-free survival after allogeneic stem cell transplantation in patients with high-risk myeloid malignancies. <i>Blood</i> , 2008 , 112, 2139-48	2.2	39
71	Circulating cardiovascular microRNAs in critically ill COVID-19 patients. <i>European Journal of Heart Failure</i> , 2021 , 23, 468-475	12.3	39
70	Effect of extracorporeal cytokine removal on vascular barrier function in a septic shock patient. <i>Journal of Intensive Care</i> , 2017 , 5, 12	7	38
69	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	5.6	31
68	Drug Repurposing Screen Identifies Foxo1-Dependent Angiotensin-2 Regulation in Sepsis. <i>Critical Care Medicine</i> , 2015 , 43, e230-40	1.4	27
67	Endothelial-to-mesenchymal transition shapes the atherosclerotic plaque and modulates macrophage function. <i>FASEB Journal</i> , 2019 , 33, 2278-2289	0.9	25
66	Therapeutic plasma exchange in acute liver failure. <i>Journal of Clinical Apheresis</i> , 2019 , 34, 589-597	3.2	24
65	Effect of therapeutic plasma exchange on endothelial activation and coagulation-related parameters in septic shock. <i>Critical Care</i> , 2020 , 24, 71	10.8	19
64	Extracorporeal cytokine removal in severe CAR-T cell associated cytokine release syndrome. <i>Journal of Critical Care</i> , 2020 , 57, 124-129	4	19

63	Angiopoietin-2 and biliary diseases: elevated serum, but not bile levels are associated with cholangiocarcinoma. <i>PLoS ONE</i> , 2014 , 9, e97046	3.7	19
62	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	3.3	16
61	Between inflammation and thrombosis: endothelial cells in COVID-19. <i>European Respiratory Journal</i> , 2021 , 58,	13.6	15
60	First do no harm-beware the risk of therapeutic plasma exchange in severe COVID-19. <i>Critical Care</i> , 2020 , 24, 363	10.8	14
59	Direct evidence of SARS-CoV-2 in gut endothelium. <i>Intensive Care Medicine</i> , 2020 , 46, 2081-2082	14.5	14
58	Adjuvant therapeutic plasma exchange in septic shock. <i>Intensive Care Medicine</i> , 2021 , 47, 352-354	14.5	13
57	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, 2091-2	4.3	12
56	Comparison of anticoagulation strategies for veno-venous ECMO support in acute respiratory failure. <i>Critical Care</i> , 2021 , 24, 701	10.8	11
55	Angiopoietin-1 requires oxidant signaling through p47phox to promote endothelial barrier defense. <i>PLoS ONE</i> , 2015 , 10, e0119577	3.7	10
54	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	3.3	10
53	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	5.1	9
52	Molecular Regulation of Acute Tie2 Suppression in Sepsis. <i>Critical Care Medicine</i> , 2018 , 46, e928-e936	1.4	9
51	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	21	9
50	Flunarizine suppresses endothelial Angiopoietin-2 in a calcium - dependent fashion in sepsis. <i>Scientific Reports</i> , 2017 , 7, 44113	4.9	8
49	Extracorporeal Membrane Oxygenation for Severe ARDS Due to Immune Diffuse Alveolar Hemorrhage: A Retrospective Observational Study. <i>Chest</i> , 2020 , 157, 744-747	5.3	8
48	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	6.1	7
47	Absence of SARS-CoV-2 RNA in COVID-19-associated intestinal endothelialitis. <i>Intensive Care Medicine</i> , 2021 , 47, 359-360	14.5	7
46	Extracorporeal membrane oxygenation for acute respiratory distress syndrome due to pneumonia. <i>European Respiratory Journal</i> , 2019 , 54,	13.6	6

45	Dual Pharmacological Inhibition of Angiopoietin-2 and VEGF-A in Murine Experimental Sepsis. <i>Journal of Vascular Research</i> , 2020 , 57, 34-45	1.9	6
44	"Better be awake"-a role for awake extracorporeal membrane oxygenation in acute respiratory distress syndrome due to <i>Pneumocystis pneumonia</i> . <i>Critical Care</i> , 2019 , 23, 418	10.8	6
43	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	3.3	5
42	Role of angiopoietin-2 in infection - A double-edged sword?. <i>Cytokine</i> , 2016 , 83, 61-63	4	5
41	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	5.8	5
40	F-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	2.5	5
39	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	3	4
38	Therapeutic plasma exchange in acute on chronic liver failure. <i>Journal of Clinical Apheresis</i> , 2020 , 35, 316-327	3.2	4
37	BRAF Inhibition in a Lung Transplant Recipient With Metastatic Melanoma. <i>JAMA Dermatology</i> , 2016 , 152, 228-30	5.1	4
36	Intracranial Hemorrhages on Extracorporeal Membrane Oxygenation: Differences Between COVID-19 and Other Viral Acute Respiratory Distress Syndrome.. <i>Critical Care Medicine</i> , 2022 ,	1.4	4
35	Altered fibrin clot structure and dysregulated fibrinolysis contribute to thrombosis risk in severe COVID-19. <i>Blood Advances</i> , 2021 ,	7.8	4
34	Identification of specific Tie2 cleavage sites and therapeutic modulation in experimental sepsis. <i>ELife</i> , 2020 , 9,	8.9	4
33	Extracorporeal membrane oxygenation in non-intubated immunocompromised patients. <i>Critical Care</i> , 2021 , 25, 164	10.8	4
32	Differential Effects of Gut-Homing Molecules CC Chemokine Receptor 9 and Integrin- α during Acute Graft-versus-Host Disease of the Liver. <i>Biology of Blood and Marrow Transplantation</i> , 2015 , 21, 2069-2078	4.7	3
31	Cationic amphiphilic drugs enhance entry of lentiviral particles pseudotyped with rabies virus glycoprotein into non-neuronal cells. <i>Antiviral Research</i> , 2015 , 124, 122-31	10.8	3
30	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, 670248	4.3	3
29	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	5.1	3
28	The Janus Face of Coronavirus Disease 2019-Associated Coagulopathy. <i>Critical Care Medicine</i> , 2021 , 49, e1049-e1050	1.4	3

27	Multiplexed, high-throughput measurements of cell contraction and endothelial barrier function. <i>Laboratory Investigation</i> , 2019 , 99, 138-145	5.9	3
26	miR-125b regulates chemotaxis and survival of bone marrow derived granulocytes in vitro and in vivo. <i>PLoS ONE</i> , 2018 , 13, e0204942	3.7	3
25	What every intensivist should know about Tocilizumab. <i>Critical Care</i> , 2021 , 25, 262	10.8	3
24	Circulating angiotensin-1 could be confounded by ex vivo platelet activation. <i>Kidney International</i> , 2011 , 79, 687	9.9	2
23	Neurological management and work-up of neurotoxicity associated with CAR T cell therapy.. <i>Neurological Research and Practice</i> , 2022 , 4, 1	3.2	2
22	Modulation of the Permeability-Inducing Factor Angiotensin-2 Through Bifonazole in Systemic Inflammation. <i>Shock</i> , 2021 , 56, 1049-1056	3.4	2
21	SP-D Serum Levels Reveal Distinct Epithelial Damage in Direct Human ARDS. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	2
20	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	10.8	2
19	Maintenance Immunosuppression Is Associated With Better Outcome in the 2017/2018 Influenza Epidemic. <i>Open Forum Infectious Diseases</i> , 2019 , 6, ofz381	1	1
18	It takes two to bleed: anticoagulation intensity and the host's vascular susceptibility.. <i>Intensive Care Medicine</i> , 2022 , 1	14.5	1
17	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, 1076029620975494	3.2	1
16	Effects of therapeutic plasma exchange on the endothelial glycocalyx in septic shock. <i>Intensive Care Medicine Experimental</i> , 2021 , 9, 57	3.7	1
15	Quantification of experimental acute kidney injury by computer-assisted imaging of lectin phytohemagglutinin E. <i>Journal of Nephrology</i> , 2013 , 26, 385-8	4.8	1
14	Unraveling the secret of re-balancing homeostasis in sepsis: a critical view on extracorporeal blood purification modalities. <i>Intensive Care Medicine</i> , 2021 , 1	14.5	1
13	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	3.1	1
12	Role of endothelial microRNA 155 on capillary leakage in systemic inflammation. <i>Critical Care</i> , 2021 , 25, 76	10.8	1
11	Flow-dependent regulation of endothelial Tie2 by GATA3 in vivo. <i>Intensive Care Medicine Experimental</i> , 2021 , 9, 38	3.7	1
10	Where is the imperceptible difference?. <i>Intensive Care Medicine</i> , 2022 , 1	14.5	1

9	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	0.9	o
8	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	4	o
7	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	10.8	o
6	The Endothelial Receptor Tyrosine Kinase Tie2 is Essential for Vascular Integrity Dependent/Independent of Inflammation. <i>FASEB Journal</i> , 2015 , 29, LB99	0.9	
5	Circulating Angiopoietin-2 Predicts Time to Relapse after Allogeneic Hematopoietic Stem Cell Transplantation for Acute Myeloid Leukemia.. <i>Blood</i> , 2008 , 112, 3259-3259	2.2	
4	High Incidence of Epileptiform Potentials During Continuous EEG Monitoring in Critically Ill COVID-19 Patients. <i>Frontiers in Medicine</i> , 2021 , 8, 613951	4.9	
3	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	3.7	
2	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	10.2	
1	Extrakorporale Behandlungsstrategien der Sepsis. <i>Transfusionsmedizin Immunhämatologie Hämotherapie Transplantationsimmunologie Zelltherapie</i> , 2022 , 12, 16-25	0.1	