Andreas Linkermann

List of Publications by Citations

135 papers	19,400 citations	51 h-index	139 g-index
159 ext. papers	25,095 ext. citations	11.4 avg, IF	6.68 L-index

#	Paper	IF	Citations
135	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
134	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. *Cell Death and Differentiation*, **2018**, 25, 486-541	12.7	2160
133	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. *Cell*, **2017**, 171, 273-285	56.2	1985
132	Regulated necrosis: the expanding network of non-apoptotic cell death pathways. *Nature Reviews Molecular Cell Biology*, **2014**, 15, 135-47	48.7	1063
131	Necroptosis. *New England Journal of Medicine*, **2014**, 370, 455-65	59.2	709
130	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. *Cell Death and Differentiation*, **2015**, 22, 58-73	12.7	643
129	Synchronized renal tubular cell death involves ferroptosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 16836-41	11.5	519
128	Ferroptosis as a target for protection against cardiomyopathy. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 2672-2680	11.5	511
127	Ferrostatins inhibit oxidative lipid damage and cell death in diverse disease models. *Journal of the American Chemical Society*, **2014**, 136, 4551-6	16.4	456
126	Two independent pathways of regulated necrosis mediate ischemia-reperfusion injury. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 12024-9	11.5	391
125	ESCRT-III Acts Downstream of MLKL to Regulate Necroptotic Cell Death and Its Consequences. *Cell*, **2017**, 169, 286-300.e16	56.2	327
124	Rip1 (receptor-interacting protein kinase 1) mediates necroptosis and contributes to renal ischemia/reperfusion injury. *Kidney International*, **2012**, 81, 751-61	9.9	312
123	Regulated cell death and inflammation: an auto-amplification loop causes organ failure. *Nature Reviews Immunology*, **2014**, 14, 759-67	36.5	291
122	Regulated cell death in AKI. *Journal of the American Society of Nephrology: JASN*, **2014**, 25, 2689-701	12.7	291
121	Noncanonical autophagy inhibits the autoinflammatory, lupus-like response to dying cells. *Nature*, **2016**, 533, 115-9	50.4	285
120	Fundamental Mechanisms of Regulated Cell Death and Implications for Heart Disease. *Physiological Reviews*, **2019**, 99, 1765-1817	47.9	221
119	Widespread mitochondrial depletion via mitophagy does not compromise necroptosis. *Cell Reports*, **2013**, 5, 878-85	10.6	210

118	Ferroptosis, but Not Necroptosis, Is Important in Nephrotoxic Folic Acid-Induced AKI. *Journal of the American Society of Nephrology: JASN*, **2017**, 28, 218-229	12.7	199
117	RIP3, a kinase promoting necroptotic cell death, mediates adverse remodelling after myocardial infarction. *Cardiovascular Research*, **2014**, 103, 206-16	9.9	198
116	Molecular mechanisms of regulated necrosis. *Seminars in Cell and Developmental Biology*, **2014**, 35, 24-32	7.5	170
115	Cytotoxicity of crystals involves RIPK3-MLKL-mediated necroptosis. *Nature Communications*, **2016**, 7, 10274	17.4	157
114	RIPK3-mediated necroptosis promotes donor kidney inflammatory injury and reduces allograft survival. *American Journal of Transplantation*, **2013**, 13, 2805-18	8.7	150
113	PMA and crystal-induced neutrophil extracellular trap formation involves RIPK1-RIPK3-MLKL signaling. *European Journal of Immunology*, **2016**, 46, 223-9	6.1	135
112	Necroptosis controls NET generation and mediates complement activation, endothelial damage, and autoimmune vasculitis. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E9618-E9625	11.5	133
111	Ferroptotic cell death and TLR4/Trif signaling initiate neutrophil recruitment after heart transplantation. *Journal of Clinical Investigation*, **2019**, 129, 2293-2304	15.9	133
110	TNF-induced necroptosis and PARP-1-mediated necrosis represent distinct routes to programmed necrotic cell death. *Cellular and Molecular Life Sciences*, **2014**, 71, 331-48	10.3	131
109	Necroinflammation in Kidney Disease. *Journal of the American Society of Nephrology: JASN*, **2016**, 27, 27-39	12.7	127
108	The APOL1 genotype of African American kidney transplant recipients does not impact 5-year allograft survival. *American Journal of Transplantation*, **2012**, 12, 1924-8	8.7	127
107	Determination of the Subcellular Localization and Mechanism of Action of Ferrostatins in Suppressing Ferroptosis. *ACS Chemical Biology*, **2018**, 13, 1013-1020	4.9	126
106	Necroptosis in immunity and ischemia-reperfusion injury. *American Journal of Transplantation*, **2013**, 13, 2797-804	8.7	125
105	TBK1 and IKK□prevent TNF-induced cell death by RIPK1 phosphorylation. *Nature Cell Biology*, **2018**, 20, 1389-1399	23.4	115
104	Loss of Cardiac Ferritin H Facilitates Cardiomyopathy via Slc7a11-Mediated Ferroptosis. *Circulation Research*, **2020**, 127, 486-501	15.7	113
103	A cellular screen identifies ponatinib and pazopanib as inhibitors of necroptosis. *Cell Death and Disease*, **2015**, 6, e1767	9.8	112
102	Dichotomy between RIP1- and RIP3-mediated necroptosis in tumor necrosis factor-□nduced shock. *Molecular Medicine*, **2012**, 18, 577-86	6.2	109
101	Origin and Consequences of Necroinflammation. *Physiological Reviews*, **2018**, 98, 727-780	47.9	99

100	The pseudokinase MLKL mediates programmed hepatocellular necrosis independently of RIPK3 during hepatitis. *Journal of Clinical Investigation*, **2016**, 126, 4346-4360	15.9	98
99	Role of necroptosis in the pathogenesis of solid organ injury. *Cell Death and Disease*, **2015**, 6, e1975	9.8	91
98	Transplantation and Damage-Associated Molecular Patterns (DAMPs). *American Journal of Transplantation*, **2016**, 16, 3338-3361	8.7	90
97	The RIP1-kinase inhibitor necrostatin-1 prevents osmotic nephrosis and contrast-induced AKI in mice. *Journal of the American Society of Nephrology: JASN*, **2013**, 24, 1545-57	12.7	89
96	Nonapoptotic cell death in acute kidney injury and transplantation. *Kidney International*, **2016**, 89, 46-57	9.9	77
95	The role of CC chemokine receptor 5 (CCR5) in islet allograft rejection. *Diabetes*, **2002**, 51, 2489-95	0.9	76
94	The pathological features of regulated necrosis. *Journal of Pathology*, **2019**, 247, 697-707	9.4	70
93	The in vivo evidence for regulated necrosis. *Immunological Reviews*, **2017**, 277, 128-149	11.3	67
92	CD95 ligand--death factor and costimulatory molecule?. *Cell Death and Differentiation*, **2003**, 10, 1215-25	12.7	65
91	TWEAK and RIPK1 mediate a second wave of cell death during AKI. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 4182-4187	11.5	64
90	A novel clinically relevant strategy to abrogate autoimmunity and regulate alloimmunity in NOD mice. *Diabetes*, **2010**, 59, 2253-64	0.9	56
89	The adaptor protein Nck interacts with Fas ligand: Guiding the death factor to the cytotoxic immunological synapse. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 5911-6	11.5	56
88	The role of autoimmunity in islet allograft destruction: major histocompatibility complex class II matching is necessary for autoimmune destruction of allogeneic islet transplants after T-cell costimulatory blockade. *Diabetes*, **2002**, 51, 3202-10	0.9	55
87	Generation of small molecules to interfere with regulated necrosis. *Cellular and Molecular Life Sciences*, **2016**, 73, 2251-67	10.3	52
86	DAMP-Induced Allograft and Tumor Rejection: The Circle Is Closing. *American Journal of Transplantation*, **2016**, 16, 3322-3337	8.7	51
85	Ferroptosis and Necroptosis in the Kidney. *Cell Chemical Biology*, **2020**, 27, 448-462	8.2	51
84	Inhibition of insulin/IGF-1 receptor signaling protects from mitochondria-mediated kidney failure. *EMBO Molecular Medicine*, **2015**, 7, 275-87	12	50
83	An Overview of Pathways of Regulated Necrosis in Acute Kidney Injury. *Seminars in Nephrology*, **2016**, 36, 139-52	4.8	49

82	Exquisite sensitivity of adrenocortical carcinomas to induction of ferroptosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 22269-22274	11.5	49
81	Renal tubular Fas ligand mediates fratricide in cisplatin-induced acute kidney failure. *Kidney International*, **2011**, 79, 169-78	9.9	49
80	The protective role of macrophage migration inhibitory factor in acute kidney injury after cardiac surgery. *Science Translational Medicine*, **2018**, 10,	17.5	49
79	Sorafenib tosylate inhibits directly necrosome complex formation and protects in mouse models of inflammation and tissue injury. *Cell Death and Disease*, **2017**, 8, e2904	9.8	47
78	Ferroptosis-inducing agents compromise in vitro human islet viability and function. *Cell Death and Disease*, **2018**, 9, 595	9.8	46
77	Mitochondria Permeability Transition versus Necroptosis in Oxalate-Induced AKI. *Journal of the American Society of Nephrology: JASN*, **2019**, 30, 1857-1869	12.7	45
76	Caspase-8-dependent gasdermin D cleavage promotes antimicrobial defense but confers susceptibility to TNF-induced lethality. *Science Advances*, **2020**, 6,	14.3	45
75	Immunological consequences of kidney cell death. *Cell Death and Disease*, **2018**, 9, 114	9.8	43
74	The necroptosis-inducing kinase RIPK3 dampens adipose tissue inflammation and glucose intolerance. *Nature Communications*, **2016**, 7, 11869	17.4	43
73	Excess sphingomyelin disturbs ATG9A trafficking and autophagosome closure. *Autophagy*, **2016**, 12, 833-49	10.2	43
72	T cell metabolism. The protein LEM promotes CD8+ T cell immunity through effects on mitochondrial respiration. *Science*, **2015**, 348, 995-1001	33.3	38
71	Angiotensin gene polymorphism as a determinant of posttransplantation renal dysfunction and hypertension. *Transplantation*, **2001**, 72, 726-9	1.8	38
70	Considering Fas ligand as a target for therapy. *Expert Opinion on Therapeutic Targets*, **2005**, 9, 119-34	6.4	37
69	Characterization of donor dendritic cells and enhancement of dendritic cell efflux with CC-chemokine ligand 21: a novel strategy to prolong islet allograft survival. *Diabetes*, **2007**, 56, 912-20	0.9	36
68	"Death is my Heir"--Ferroptosis Connects Cancer Pharmacogenomics and Ischemia-Reperfusion Injury. *Cell Chemical Biology*, **2016**, 23, 202-203	8.2	34
67	Viral infiltration of pancreatic islets in patients with COVID-19. *Nature Communications*, **2021**, 12, 3534	17.4	34
66	COVID-19 and metabolic disease: mechanisms and clinical management. *Lancet Diabetes and Endocrinology,the*, **2021**, 9, 786-798	18.1	33
65	Ca signals, cell membrane disintegration, and activation of TMEM16F during necroptosis. *Cellular and Molecular Life Sciences*, **2017**, 74, 173-181	10.3	32

64	P2X, P2X, and P2X Receptor Knock Out Mice Expose Differential Outcome of Sepsis Induced by Haemolysin Producing. *Frontiers in Cellular and Infection Microbiology*, **2017**, 7, 113	5.9	31
63	Phenytoin inhibits necroptosis. *Cell Death and Disease*, **2018**, 9, 359	9.8	30
62	The adapter protein Nck: role of individual SH3 and SH2 binding modules for protein interactions in T lymphocytes. *Protein Science*, **2010**, 19, 658-69	6.3	30
61	The novel therapeutic effect of phosphoinositide 3-kinase- inhibitor AS605240 in autoimmune diabetes. *Diabetes*, **2012**, 61, 1509-18	0.9	27
60	Regulated Cell Death Seen through the Lens of Islet Transplantation. *Cell Transplantation*, **2018**, 27, 890-901	4	24
59	Novel Application of Localized Nanodelivery of Anti-Interleukin-6 Protects Organ Transplant From Ischemia-Reperfusion Injuries. *American Journal of Transplantation*, **2017**, 17, 2326-2337	8.7	22
58	Effective blockage of both the extrinsic and intrinsic pathways of apoptosis in mice by TAT-crmA. *Journal of Biological Chemistry*, **2010**, 285, 19997-20005	5.4	22
57	Identification of interaction partners for individual SH3 domains of Fas ligand associated members of the PCH protein family in T lymphocytes. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2009**, 1794, 168-76	4	22
56	Metabolic and immunological features of the failing islet-transplanted patient. *Diabetes Care*, **2008**, 31, 436-8	14.6	22
55	Slowly getting a clue on CD95 ligand biology. *Biochemical Pharmacology*, **2003**, 66, 1417-26	6	22
54	Dysfunction of the key ferroptosis-surveilling systems hypersensitizes mice to tubular necrosis during acute kidney injury. *Nature Communications*, **2021**, 12, 4402	17.4	22
53	Cell Death Pathways Drive Necroinflammation during Acute Kidney Injury. *Nephron*, **2018**, 140, 144-147	3.3	22
52	Role of CCL20 mediated immune cell recruitment in NF-B mediated TRAIL resistance of pancreatic cancer. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2017**, 1864, 782-796	4.9	21
51	Post-bone marrow transplant thrombotic microangiopathy. *Bone Marrow Transplantation*, **2016**, 51, 891-7	4.4	19
50	The clinical relevance of necroinflammation-highlighting the importance of acute kidney injury and the adrenal glands. *Cell Death and Differentiation*, **2019**, 26, 68-82	12.7	18
49	Donor antioxidant strategy prolongs cardiac allograft survival by attenuating tissue dendritic cell immunogenicity(*American Journal of Transplantation*, **2011**, 11, 348-55	8.7	17
48	The Fas ligand as a cell death factor and signal transducer. *Signal Transduction*, **2003**, 3, 33-46		14
47	Anti-ferroptotic mechanism of IL4i1-mediated amino acid metabolism. *ELife*, **2021**, 10,	8.9	14

46	HLA class II antibodies induce necrotic cell death in human endothelial cells via a lysosomal membrane permeabilization-mediated pathway. *Cell Death and Disease*, **2019**, 10, 235	9.8	12
45	Gasdermin D and pyroptosis in acute kidney injury. *Kidney International*, **2019**, 96, 1061-1063	9.9	12
44	SETDB1 is required for intestinal epithelial differentiation and the prevention of intestinal inflammation. *Gut*, **2021**, 70, 485-498	19.2	11
43	The role of regulated necrosis in endocrine diseases. *Nature Reviews Endocrinology*, **2021**, 17, 497-510	15.2	10
42	Prominin-2 Suppresses Ferroptosis Sensitivity. *Developmental Cell*, **2019**, 51, 548-549	10.2	10
41	Cell death-based approaches in treatment of the urinary tract-associated diseases: a fight for survival in the killing fields. *Cell Death and Disease*, **2018**, 9, 118	9.8	9
40	Organ recipients suffering from undifferentiated neuroendocrine small-cell carcinoma of donor origin: a case report. *Transplantation Proceedings*, **2009**, 41, 2639-42	1.1	9
39	Testing the Efficacy of Contrast-Enhanced Ultrasound in Detecting Transplant Rejection Using a Murine Model of Heart Transplantation. *American Journal of Transplantation*, **2017**, 17, 1791-1801	8.7	8
38	Redox homeostasis, T cells and kidney diseases: three faces in the dark. *CKJ: Clinical Kidney Journal*, **2016**, 9, 1-10	4.5	8
37	The enhanced susceptibility of ADAM-17 hypomorphic mice to DSS-induced colitis is not ameliorated by loss of RIPK3, revealing an unexpected function of ADAM-17 in necroptosis. *Oncotarget*, **2018**, 9, 12941-12958	3.3	8
36	Take my breath away: necrosis in kidney transplants kills the lungs!. *Kidney International*, **2015**, 87, 680-2	9.9	6
35	Phosphorylated MLKL causes plasma membrane rupture. *Molecular and Cellular Oncology*, **2014**, 1, e29915	1.2	6
34	A single genetic locus controls both expression of DPEP1/CHMP1A and kidney disease development via ferroptosis. *Nature Communications*, **2021**, 12, 5078	17.4	6
33	Targeting ferroptosis protects against experimental (multi)organ dysfunction and death.. *Nature Communications*, **2022**, 13, 1046	17.4	6
32	TYK2 licenses non-canonical inflammasome activation during endotoxemia. *Cell Death and Differentiation*, **2021**, 28, 748-763	12.7	5
31	Back to the roots of regulated necrosis. *Journal of Cell Biology*, **2017**, 216, 303-304	7.3	4
30	Beyond the Paradigm: Novel Functions of Renin-Producing Cells. *Reviews of Physiology, Biochemistry and Pharmacology*, **2020**, 177, 53-81	2.9	4
29	Don₽ trick me twice!. *Kidney International*, **2019**, 95, 736-738	9.9	3

28	Assessment of In Vivo Kidney Cell Death: Acute Kidney Injury. *Methods in Molecular Biology*, **2018**, 1857, 135-144	1.4	3
27	Orale Tolvaptan-Therapie. *Der Nephrologe*, **2010**, 5, 239-241	0.1	3
26	The key role of NLRP3 and STING in APOL1-associated podocytopathy. *Journal of Clinical Investigation*, **2021**, 131,	15.9	3
25	Is Differentially Expressed in Aldosterone-Producing Adenomas and Protects Human Adrenocortical Cells From Ferroptosis. *Hypertension*, **2021**, 77, 1647-1658	8.5	3
24	Regulated Necrosis and Its Immunogenicity **2019**, 197-205.e1		2
23	Immunsuppressive Therapie nach Nierentransplantation. *Der Nephrologe*, **2013**, 8, 217-225	0.1	2
22	Mechanisms and Models of Kidney Tubular Necrosis and Nephron Loss.. *Journal of the American Society of Nephrology: JASN*, **2022**,	12.7	2
21	Dipeptidase-1 governs renal inflammation during ischemia reperfusion injury.. *Science Advances*, **2022**, 8, eabm0142	14.3	2
20	Dexamethasone sensitizes to ferroptosis by glucocorticoid receptor-induced dipeptidase-1 expression and glutathione depletion.. *Science Advances*, **2022**, 8, eabl8920	14.3	2
19	Deficiency in X-linked inhibitor of apoptosis protein promotes susceptibility to microbial triggers of intestinal inflammation. *Science Immunology*, **2021**, 6, eabf7473	28	2
18	A tissue-bioengineering strategy for modeling rare human kidney diseases in vivo. *Nature Communications*, **2021**, 12, 6496	17.4	2
17	Pathophysiology of Cancer Cell Death **2020**, 74-83.e4		2
16	Induction of ferroptosis selectively eliminates senescent tubular cells. *American Journal of Transplantation*,	8.7	2
15	Gimme a complex! Resident mononuclear phagocytes in the kidney as monitors of circulating antigens and immune complexes. *Kidney International*, **2017**, 91, 267-269	9.9	1
14	Welcome to the Jungle: The Kidney during Sepsis. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 194, 649-50	10.2	1
13	The Potential Role of Necroptosis in Diseases **2014**, 1-21		1
12	The authors reply. *Kidney International*, **2013**, 83, 531	9.9	1
11	The transCampus Metabolic Training Programme Explores the Link of SARS-CoV-2 Virus to Metabolic Disease. *Hormone and Metabolic Research*, **2021**, 53, 204-206	3.1	1

10	This thought is as a death. *Cellular and Molecular Life Sciences*, **2016**, 73, 2123-4	10.3	1
9	Rubicon-deficiency sensitizes mice to mixed lineage kinase domain-like (MLKL)-mediated kidney ischemia-reperfusion injury.. *Cell Death and Disease*, **2022**, 13, 236	9.8	1
8	Schwann cell necroptosis in diabetic neuropathy.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2204049119	11.5	0
7	Bedeutung regulierter Zelltodprogramme f□ die Transplantation solider Organe. *Der Nephrologe*, **2015**, 10, 100-106	0.1	
6	Assessment of In Vivo Kidney Cell Death: Glomerular Injury. *Methods in Molecular Biology*, **2018**, 1857, 145-151	1.4	
5	Regulierte Nekrose □Ein pathophysiologisches Prinzip des akuten Nierenversagens. *Dialyse Aktuell*, **2014**, 18, 430-433	0.1	
4	Nierentransplantation □Besonderheiten bei □teren Dialysepatienten. *Dialyse Aktuell*, **2011**, 15, 568-575	0.1	
3	Tolvaptan ist ein selektiver oraler Vasopressin-V2-Rezeptor-Antagonist f□ die Therapie der Hyponatri□mie. *Der Nephrologe*, **2007**, 2, 121-123	0.1	
2	Retrograde Fas Ligand Signaling **2006**, 97-102		
1	Diabetes und Nierenerkrankungen bei COVID-19. *Diabetes Aktuell*, **2022**, 20, 18-21	0	