Andreas Linkermann

List of Publications by Year
in descending order

141 papers	30,248 citations	20817 60 h-index	10734 138 g-index
159 all docs	159 docs citations	159 times ranked	37242 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Ferroptosis: A Regulated Cell Death Nexus Linking Metabolism, Redox Biology, and Disease. Cell, 2017, 171, 273-285.	28.9	4,081
3	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. Cell Death and Differentiation, 2018, 25, 486-541.	11.2	4,036
4	Regulated necrosis: the expanding network of non-apoptotic cell death pathways. Nature Reviews Molecular Cell Biology, 2014, 15, 135-147.	37.0	1,373
5	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.	7.1	1,174
6	Necroptosis. New England Journal of Medicine, 2014, 370, 455-465.	27.0	919
7	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. Cell Death and Differentiation, 2015, 22, 58-73.	11.2	811
8	Synchronized renal tubular cell death involves ferroptosis. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16836-16841.	7.1	801
9	Ferrostatins Inhibit Oxidative Lipid Damage and Cell Death in Diverse Disease Models. Journal of the American Chemical Society, 2014, 136, 4551-4556.	13.7	738
10	Fundamental Mechanisms of Regulated Cell Death and Implications for Heart Disease. Physiological Reviews, 2019, 99, 1765-1817.	28.8	550
11	Two independent pathways of regulated necrosis mediate ischemiaâ€“reperfusion injury. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12024-12029.	7.1	485
12	ESCRT-III Acts Downstream of MLKL to Regulate Necroptotic Cell Death and Its Consequences. Cell, 2017, 169, 286-300.e16.	28.9	477
13	Regulated Cell Death in AKI. Journal of the American Society of Nephrology: JASN, 2014, 25, 2689-2701.	6.1	423
14	Regulated cell death and inflammation: an auto-amplification loop causes organ failure. Nature Reviews Immunology, 2014, 14, 759-767.	22.7	404
15	Rip1 (Receptor-interacting protein kinase 1) mediates necroptosis and contributes to renal ischemia/reperfusion injury. Kidney International, 2012, 81, 751-761.	5.2	389
16	Loss of Cardiac Ferritin H Facilitates Cardiomyopathy via Slc7a11-Mediated Ferroptosis. Circulation Research, 2020, 127, 486-501.	4.5	377
17	Ferroptosis, but Not Necroptosis, Is Important in Nephrotoxic Folic Acidâ€“Induced AKI. Journal of the American Society of Nephrology: JASN, 2017, 28, 218-229.	6.1	356
18	Ferroptotic cell death and TLR4/Trif signaling initiate neutrophil recruitment after heart transplantation. Journal of Clinical Investigation, 2019, 129, 2293-2304.	8.2	283

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19	RIP3, a kinase promoting necroptotic cell death, mediates adverse remodelling after myocardial infarction. Cardiovascular Research, 2014, 103, 206-216.	3.8	257
20	Widespread Mitochondrial Depletion via Mitophagy Does Not Compromise Necroptosis. Cell Reports, 2013, 5, 878-885.	6.4	240
21	Determination of the Subcellular Localization and Mechanism of Action of Ferrostatins in Suppressing Ferroptosis. ACS Chemical Biology, 2018, 13, 1013-1020.	3.4	229
22	Cytotoxicity of crystals involves RIPK3-MLKL-mediated necroptosis. Nature Communications, 2016, 7, 10274.	12.8	220
23	Molecular mechanisms of regulated necrosis. Seminars in Cell and Developmental Biology, 2014, 35, 24-32.	5.0	206
24	PMA and crystalâ€induced neutrophil extracellular trap formation involves RIPK1â€RIPK3â€MLKL signaling. European Journal of Immunology, 2016, 46, 223-229.	2.9	200
25	TBK1 and IKKÎµ prevent TNF-induced cell death by RIPK1 phosphorylation. Nature Cell Biology, 2018, 20, 1389-1399.	10.3	198
26	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.	7.1	197
27	RIPK3-Mediated Necroptosis Promotes Donor Kidney Inflammatory Injury and Reduces Allograft Survival. American Journal of Transplantation, 2013, 13, 2805-2818.	4.7	181
28	Necroinflammation in Kidney Disease. Journal of the American Society of Nephrology: JASN, 2016, 27, 27-39.	6.1	180
29	The APOL1 Genotype of African American Kidney Transplant Recipients Does Not Impact 5-Year Allograft Survival. American Journal of Transplantation, 2012, 12, 1924-1928.	4.7	161
30	A cellular screen identifies ponatinib and pazopanib as inhibitors of necroptosis. Cell Death and Disease, 2015, 6, e1767-e1767.	6.3	157
31	COVID-19 and metabolic disease: mechanisms and clinical management. Lancet Diabetes and Endocrinology,the, 2021, 9, 786-798.	11.4	155
32	TNF-induced necroptosis and PARP-1-mediated necrosis represent distinct routes to programmed necrotic cell death. Cellular and Molecular Life Sciences, 2014, 71, 331-348.	5.4	151
33	Necroptosis in Immunity and Ischemia-Reperfusion Injury. American Journal of Transplantation, 2013, 13, 2797-2804.	4.7	150
34	Origin and Consequences of Necroinflammation. Physiological Reviews, 2018, 98, 727-780.	28.8	147
35	Ferroptosis and Necroptosis in the Kidney. Cell Chemical Biology, 2020, 27, 448-462.	5.2	137
36	The pseudokinase MLKL mediates programmed hepatocellular necrosis independently of RIPK3 during hepatitis. Journal of Clinical Investigation, 2016, 126, 4346-4360.	8.2	130

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37	Dichotomy between RIP1- and RIP3-Mediated Necroptosis in Tumor Necrosis Factor-Î±-Induced Shock. Molecular Medicine, 2012, 18, 577-586.	4.4	127
38	Transplantation and Damage-Associated Molecular Patterns (DAMPs). American Journal of Transplantation, 2016, 16, 3338-3361.	4.7	125
39	Caspase-8â€"dependent gasdermin D cleavage promotes antimicrobial defense but confers susceptibility to TNF-induced lethality. Science Advances, 2020, 6, .	10.3	123
40	Role of necroptosis in the pathogenesis of solid organ injury. Cell Death and Disease, 2015, 6, e1975-e1975.	6.3	122
41	Viral infiltration of pancreatic islets in patients with COVID-19. Nature Communications, 2021, 12, 3534.	12.8	120
42	Dysfunction of the key ferroptosis-surveilling systems hypersensitizes mice to tubular necrosis during acute kidney injury. Nature Communications, 2021, 12, 4402.	12.8	116
43	The pathological features of regulated necrosis. Journal of Pathology, 2019, 247, 697-707.	4.5	114
44	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.	7.1	112
45	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, 1545-1557.	6.1	111
46	Ferroptosis-inducing agents compromise in vitro human islet viability and function. Cell Death and Disease, 2018, 9, 595.	6.3	106
47	Nonapoptotic cell death in acute kidney injury and transplantation. Kidney International, 2016, 89, 46-57.	5.2	105
48	Programmed necrosis in acute kidney injury. Nephrology Dialysis Transplantation, 2012, 27, 3412-3419.	0.7	102
49	The in vivo evidence for regulated necrosis. Immunological Reviews, 2017, 277, 128-149.	6.0	92
50	The protective role of macrophage migration inhibitory factor in acute kidney injury after cardiac surgery. Science Translational Medicine, 2018, 10, .	12.4	84
51	The Role of CC Chemokine Receptor 5 (CCR5) in Islet Allograft Rejection. Diabetes, 2002, 51, 2489-2495.	0.6	82
52	Mitochondria Permeability Transition versus Necroptosis in Oxalate-Induced AKI. Journal of the American Society of Nephrology: JASN, 2019, 30, 1857-1869.	6.1	81
53	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.	7.1	81
54	CD95 ligand - death factor and costimulatory molecule?. Cell Death and Differentiation, 2003, 10, 1215-1225.	11.2	75

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55	Mechanisms and Models of Kidney Tubular Necrosis and Nephron Loss. Journal of the American Society of Nephrology: JASN, 2022, 33, 472-486.	6.1	71
56	Sorafenib tosylate inhibits directly necrosome complex formation and protects in mouse models of inflammation and tissue injury. Cell Death and Disease, 2017, 8, e2904-e2904.	6.3	69
57	The necroptosis-inducing kinase RIPK3 dampens adipose tissue inflammation and glucose intolerance. Nature Communications, 2016, 7, 11869.	12.8	68
58	The key role of NLRP3 and STING in APOL1-associated podocytopathy. Journal of Clinical Investigation, 2021, 131, .	8.2	66
59	An Overview of Pathways of Regulated Necrosis in Acute Kidney Injury. Seminars in Nephrology, 2016, 36, 139-152.	1.6	65
60	Immunological consequences of kidney cell death. Cell Death and Disease, 2018, 9, 114.	6.3	64
61	Generation of small molecules to interfere with regulated necrosis. Cellular and Molecular Life Sciences, 2016, 73, 2251-2267.	5.4	63
62	A Novel Clinically Relevant Strategy to Abrogate Autoimmunity and Regulate Alloimmunity in NOD Mice. Diabetes, 2010, 59, 2253-2264.	0.6	62
63	Inhibition of insulin/<scp>IGF</scp>â€1 receptor signaling protects from mitochondriaâ€mediated kidneyÂfailure. EMBO Molecular Medicine, 2015, 7, 275-287.	6.9	61
64	DAMPâ€"Induced Allograft and Tumor Rejection: The Circle Is Closing. American Journal of Transplantation, 2016, 16, 3322-3337.	4.7	61
65	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, 3202-3210.	0.6	60
66	Targeting ferroptosis protects against experimental (multi)organ dysfunction and death. Nature Communications, 2022, 13, 1046.	12.8	60
67	Anti-ferroptotic mechanism of IL4i1-mediated amino acid metabolism. ELife, 2021, 10, .	6.0	58
68	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, 5911-5916.	7.1	57
69	Renal tubular Fas ligand mediates fratricide in cisplatin-induced acute kidney failure. Kidney International, 2011, 79, 169-178.	5.2	55
70	Excess sphingomyelin disturbs ATG9A trafficking and autophagosome closure. Autophagy, 2016, 12, 833-849.	9.1	52
71	Phenytoin inhibits necroptosis. Cell Death and Disease, 2018, 9, 359.	6.3	50
72	A single genetic locus controls both expression of DPEP1/CHMP1A and kidney disease development via ferroptosis. Nature Communications, 2021, 12, 5078.	12.8	45

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73	ANGIOTENSIN GENE POLYMORPHISM AS A DETERMINANT OF POSTTRANSPLANTATION RENAL DYSFUNCTION AND HYPERTENSION1,2. Transplantation, 2001, 72, 726-729.	1.0	42
74	â€œDeath is my Heirâ€â€"Ferroptosis Connects Cancer Pharmacogenomics and Ischemia-Reperfusion Injury. Cell Chemical Biology, 2016, 23, 202-203.	5.2	41
75	Ca2+ signals, cell membrane disintegration, and activation of TMEM16F during necroptosis. Cellular and Molecular Life Sciences, 2017, 74, 173-181.	5.4	39
76	P2X1, P2X4, and P2X7 Receptor Knock Out Mice Expose Differential Outcome of Sepsis Induced by Î±-Haemolysin Producing Escherichia coli. Frontiers in Cellular and Infection Microbiology, 2017, 7, 113.	3.9	39
77	SETDB1 is required for intestinal epithelial differentiation and the prevention of intestinal inflammation. Gut, 2021, 70, 485-498.	12.1	39
78	Dexamethasone sensitizes to ferroptosis by glucocorticoid receptorâ€"induced dipeptidase-1 expression and glutathione depletion. Science Advances, 2022, 8, eabl8920.	10.3	39
79	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, 912-920.	0.6	38
80	Regulated Cell Death Seen through the Lens of Islet Transplantation. Cell Transplantation, 2018, 27, 890-901.	2.5	38
81	Cell Death Pathways Drive Necroinflammation during Acute Kidney Injury. Nephron, 2018, 140, 144-147.	1.8	38
82	Considering Fas ligand as a target for therapy. Expert Opinion on Therapeutic Targets, 2005, 9, 119-134.	3.4	37
83	The adapter protein Nck: Role of individual SH3 and SH2 binding modules for protein interactions in T lymphocytes. Protein Science, 2010, 19, 658-669.	7.6	37
84	The Novel Therapeutic Effect of Phosphoinositide 3-Kinase-Î³ Inhibitor AS605240 in Autoimmune Diabetes. Diabetes, 2012, 61, 1509-1518.	0.6	37
85	The role of regulated necrosis in endocrine diseases. Nature Reviews Endocrinology, 2021, 17, 497-510.	9.6	35
86	Role of CCL20 mediated immune cell recruitment in NF-ÎºB mediated TRAIL resistance of pancreatic cancer. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 782-796.	4.1	32
87	Effective Blockage of Both the Extrinsic and Intrinsic Pathways of Apoptosis in Mice by TAT-crmA. Journal of Biological Chemistry, 2010, 285, 19997-20005.	3.4	31
88	Death and fireâ€"the concept of necroinflammation. Cell Death and Differentiation, 2019, 26, 1-3.	11.2	31
89	Novel Application of Localized Nanodelivery of Anti-Interleukin-6 Protects Organ Transplant From Ischemia-Reperfusion Injuries. American Journal of Transplantation, 2017, 17, 2326-2337.	4.7	30
90	Dipeptidase-1 governs renal inflammation during ischemia reperfusion injury. Science Advances, 2022, 8, eabm0142.	10.3	28

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91	Catch me if you can: targeting the mitochondrial permeability transition pore in myocardial infarction. Cell Death and Differentiation, 2016, 23, 1-2.	11.2	27
92	Emerging Therapies Targeting Intra-Organ Inflammation in Transplantation. American Journal of Transplantation, 2015, 15, 305-311.	4.7	26
93	Post-bone marrow transplant thrombotic microangiopathy. Bone Marrow Transplantation, 2016, 51, 891-897.	2.4	26
94	The clinical relevance of necroinflammationâ€"highlighting the importance of acute kidney injury and the adrenal glands. Cell Death and Differentiation, 2019, 26, 68-82.	11.2	26
95	The fire within: pyroptosis in the kidney. American Journal of Physiology - Renal Physiology, 2014, 306, F168-F169.	2.7	25
96	Slowly getting a clue on CD95 ligand biology. Biochemical Pharmacology, 2003, 66, 1417-1426.	4.4	24
97	Gasdermin D and pyroptosis in acute kidney injury. Kidney International, 2019, 96, 1061-1063.	5.2	24
98	Metabolic and Immunological Features of the Failing Islet-Transplanted Patient. Diabetes Care, 2008, 31, 436-438.	8.6	23
99	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.	6.3	23
100	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, 168-176.	2.3	22
101	Stress-inducible-stem cells: a new view on endocrine, metabolic and mental disease?. Molecular Psychiatry, 2019, 24, 2-9.	7.9	21
102	Sensing plasma membrane pore formation induces chemokine production in survivors of regulated necrosis. Developmental Cell, 2022, 57, 228-245.e6.	7.0	20
103	Induction of ferroptosis selectively eliminates senescent tubular cells. American Journal of Transplantation, 2022, 22, 2158-2168.	4.7	20
104	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.	6.3	19
105	Donor Antioxidant Strategy Prolongs Cardiac Allograft Survival by Attenuating Tissue Dendritic Cell Immunogenicityâ€. American Journal of Transplantation, 2011, 11, 348-355.	4.7	18
106	Prominin-2 Suppresses Ferroptosis Sensitivity. Developmental Cell, 2019, 51, 548-549.	7.0	18
107	The Fas ligand as a cell death factor and signal transducer. Signal Transduction, 2003, 3, 33-46.	0.4	16
108	TYK2 licenses non-canonical inflammasome activation during endotoxemia. Cell Death and Differentiation, 2021, 28, 748-763.	11.2	16

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109	Deficiency in X-linked inhibitor of apoptosis protein promotes susceptibility to microbial triggers of intestinal inflammation. Science Immunology, 2021, 6, eabf7473.	11.9	15
110	A tissue-bioengineering strategy for modeling rare human kidney diseases in vivo. Nature Communications, 2021, 12, 6496.	12.8	14
111	Organ Recipients Suffering From Undifferentiated Neuroendocrine Small-Cell Carcinoma of Donor Origin: A Case Report. Transplantation Proceedings, 2009, 41, 2639-2642.	0.6	11
112	Redox homeostasis, T cells and kidney diseases: three faces in the dark. CKJ: Clinical Kidney Journal, 2016, 9, 1-10.	2.9	11
113	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.	4.7	10
114	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.	1.8	9
115	Phosphorylated MLKL causes plasma membrane rupture. Molecular and Cellular Oncology, 2014, 1, e29915.	0.7	8
116	Beyond the Paradigm: Novel Functions of Renin-Producing Cells. Reviews of Physiology, Biochemistry and Pharmacology, 2020, 177, 53-81.	1.6	8
117	BEX1 Is Differentially Expressed in Aldosterone-Producing Adenomas and Protects Human Adrenocortical Cells From Ferroptosis. Hypertension, 2021, 77, 1647-1658.	2.7	8
118	Take my breath away: necrosis in kidney transplants kills the lungs!. Kidney International, 2015, 87, 680-682.	5.2	6
119	Back to the roots of regulated necrosis. Journal of Cell Biology, 2017, 216, 303-304.	5.2	5
120	Schwann cell necroptosis in diabetic neuropathy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2204049119.	7.1	5
121	We AIM2 Inflame. Journal of the American Society of Nephrology: JASN, 2018, 29, 1077-1079.	6.1	4
122	Assessment of In Vivo Kidney Cell Death: Acute Kidney Injury. Methods in Molecular Biology, 2018, 1857, 135-144.	0.9	4
123	Donâ€™t trick me twice!. Kidney International, 2019, 95, 736-738.	5.2	4
124	Die later with ESCRT!. Oncotarget, 2017, 8, 41790-41791.	1.8	4
125	COVID-19 and Diabetic Nephropathy. Hormone and Metabolic Research, 2022, 54, 510-513.	1.5	4
126	Rubicon-deficiency sensitizes mice to mixed lineage kinase domain-like (MLKL)-mediated kidney ischemia-reperfusion injury. Cell Death and Disease, 2022, 13, 236.	6.3	3

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127	Introduction: Toward an Antiâ€“Cell Death Therapy for Kidney Transplantation and Kidney Diseases. Seminars in Nephrology, 2016, 36, 137-138.	1.6	2
128	Regulated Necrosis and Its Immunogenicity. , 2019, , 197-205.e1.		2
129	Pathophysiology of Cancer Cell Death. , 2020, , 74-83.e4.		2
130	Stress will kill you anyway!. Cell Death and Disease, 2020, 11, 218.	6.3	2
131	The transCampus Metabolic Training Programme Explores the Link of SARS-CoV-2 Virus to Metabolic Disease. Hormone and Metabolic Research, 2021, 53, 204-206.	1.5	2
132	The Authors Reply:. Kidney International, 2013, 83, 531.	5.2	1
133	This thought is as a death. Cellular and Molecular Life Sciences, 2016, 73, 2123-2124.	5.4	1
134	Welcome to the Jungle: The Kidney during Sepsis. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 649-650.	5.6	1
135	Gimme a complex! Resident mononuclear phagocytes in the kidney as monitors of circulating antigens and immune complexes. Kidney International, 2017, 91, 267-269.	5.2	1
136	Abstract SY29-04: Beyond necroptosis - regulated necrosis in the kidney. , 2014, , .		1
137	Heavy metal suicide. American Journal of Physiology - Renal Physiology, 2017, 313, F959-F960.	2.7	0
138	Assessment of In Vivo Kidney Cell Death: Glomerular Injury. Methods in Molecular Biology, 2018, 1857, 145-151.	0.9	0
139	Precondition your donor pig for your successful allograft!. American Journal of Transplantation, 2020, 20, 3275-3276.	4.7	0
140	Der Verlust von intestinal epithelialem SETDB1 fÃ¼hrt zu fehlender Repression endogener Retroviren, GenotoxizitÃt und intestinaler EntzÃ¼ndung. Zeitschrift Fur Gastroenterologie, 2020, 58, .	0.5	0
141	20 years of Developmental Cell: Looking forward. Developmental Cell, 2021, 56, 3185-3191.	7.0	0