Rui Kang

List of Publications by Year in Descending Order

134 papers	17,523 citations	54 h-index	132 g-index
142 ext. papers	24,558 ext. citations	8.8 avg, IF	7.38 L-index

#	Paper	IF	Citations
134	Heterodimeric RGD-NGR PET Tracer for the Early Detection of Pancreatic Cancer.. *Molecular Imaging and Biology*, **2022**, 1	3.8	1
133	The mechanism of HMGB1 secretion and release.. *Experimental and Molecular Medicine*, **2022**,	12.8	12
132	Cyclophosphamide-induced GPX4 degradation triggers parthanatos by activating AIFM1.. *Biochemical and Biophysical Research Communications*, **2022**, 606, 68-74	3.4	1
131	Identification of HPCAL1 as a specific autophagy receptor involved in ferroptosis.. *Autophagy*, **2022**, 1-21	10.2	1
130	Targeting HSP90 sensitizes pancreas carcinoma to PD-1 blockade.. *OncoImmunology*, **2022**, 11, 2068488	7.2	1
129	HSP90 as an emerging barrier to immune checkpoint blockade therapy.. *Oncoscience*, **2022**, 9, 20-22	0.8	0
128	The Art of War: Ferroptosis and Pancreatic Cancer.. *Frontiers in Pharmacology*, **2021**, 12, 773909	5.6	1
127	The Versatile Gasdermin Family: Their Function and Roles in Diseases. *Frontiers in Immunology*, **2021**, 12, 751533	8.4	10
126	Oncogenic KRAS blockade therapy: renewed enthusiasm and persistent challenges. *Molecular Cancer*, **2021**, 20, 128	42.1	10
125	Itaconic acid induces ferroptosis by activating ferritinophagy. *Biochemical and Biophysical Research Communications*, **2021**, 583, 56-62	3.4	2
124	Regulation and function of autophagy in pancreatic cancer. *Autophagy*, **2021**, 17, 3275-3296	10.2	37
123	Ferroptosis: machinery and regulation. *Autophagy*, **2021**, 17, 2054-2081	10.2	131
122	Inflammasome-Dependent Coagulation Activation in Sepsis. *Frontiers in Immunology*, **2021**, 12, 641750	8.4	12
121	Pharmacological Modulation of BET Family in Sepsis. *Frontiers in Pharmacology*, **2021**, 12, 642294	5.6	2
120	Ion Channels and Transporters in Autophagy. *Autophagy*, **2021**, 1-20	10.2	3
119	The cGAS-STING pathway connects mitochondrial damage to inflammation in burn-induced acute lung injury in rat. *Burns*, **2021**,	2.3	2
118	Lipid Metabolism in Ferroptosis. *Advanced Biology*, **2021**, 5, e2100396		13

117	Ferroptosis in infection, inflammation, and immunity. *Journal of Experimental Medicine*, **2021**, 218,	16.6	41
116	The HMGB1-AGER-STING1 pathway mediates the sterile inflammatory response to alkaliptosis. *Biochemical and Biophysical Research Communications*, **2021**, 560, 165-171	3.4	2
115	Emerging mechanisms of immunocoagulation in sepsis and septic shock. *Trends in Immunology*, **2021**, 42, 508-522	14.4	7
114	Signaling pathways and defense mechanisms of ferroptosis. *FEBS Journal*, **2021**,	5.7	22
113	STING1 Promotes Ferroptosis Through MFN1/2-Dependent Mitochondrial Fusion. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 698679	5.7	15
112	MGST1 is a redox-sensitive repressor of ferroptosis in pancreatic cancer cells. *Cell Chemical Biology*, **2021**, 28, 765-775.e5	8.2	28
111	The STING1 network regulates autophagy and cell death. *Signal Transduction and Targeted Therapy*, **2021**, 6, 208	21	17
110	STING1 in sepsis: Mechanisms, functions, and implications. *Chinese Journal of Traumatology - English Edition*, **2021**,	2.3	3
109	Mitochondrial DNA stress triggers autophagy-dependent ferroptotic death. *Autophagy*, **2021**, 17, 948-960	10.2	68
108	Interplay between MTOR and GPX4 signaling modulates autophagy-dependent ferroptotic cancer cell death. *Cancer Gene Therapy*, **2021**, 28, 55-63	5.4	50
107	CDK1/2/5 inhibition overcomes IFNG-mediated adaptive immune resistance in pancreatic cancer. *Gut*, **2021**, 70, 890-899	19.2	25
106	Ferroptosis: molecular mechanisms and health implications. *Cell Research*, **2021**, 31, 107-125	24.7	287
105	Monitoring autophagy-dependent ferroptosis. *Methods in Cell Biology*, **2021**, 165, 163-176	1.8	1
104	CDK1/2/5 blockade: killing two birds with one stone. *OncoImmunology*, **2021**, 10, 1875612	7.2	1
103	Broadening horizons: the role of ferroptosis in cancer. *Nature Reviews Clinical Oncology*, **2021**, 18, 280-296	19.4	272
102	Tumor heterogeneity in autophagy-dependent ferroptosis. *Autophagy*, **2021**, 17, 3361-3374	10.2	30
101	Characteristics and Biomarkers of Ferroptosis. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 637162	5.7	51
100	PDK4 dictates metabolic resistance to ferroptosis by suppressing pyruvate oxidation and fatty acid synthesis. *Cell Reports*, **2021**, 34, 108767	10.6	35

99	Mitophagy in Pancreatic Cancer. *Frontiers in Oncology*, **2021**, 11, 616079	5.3	2
98	Metabolic checkpoint of ferroptosis resistance. *Molecular and Cellular Oncology*, **2021**, 8, 1901558	1.2	0
97	Ferroptosis by Lipid Peroxidation: The Tip of the Iceberg?. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 646890	5.7	1
96	Targeting NF-**B**-dependent alkaliptosis for the treatment of venetoclax-resistant acute myeloid leukemia cells. *Biochemical and Biophysical Research Communications*, **2021**, 562, 55-61	3.4	4
95	Cellular and molecular mechanisms of perineural invasion of pancreatic ductal adenocarcinoma. *Cancer Communications*, **2021**, 41, 642-660	9.4	8
94	Cell death in pancreatic cancer: from pathogenesis to therapy. *Nature Reviews Gastroenterology and Hepatology*, **2021**, 18, 804-823	24.2	27
93	SMG9 drives ferroptosis by directly inhibiting GPX4 degradation. *Biochemical and Biophysical Research Communications*, **2021**, 567, 92-98	3.4	6
92	Organelle-specific regulation of ferroptosis. *Cell Death and Differentiation*, **2021**, 28, 2843-2856	12.7	14
91	Trypsin-Mediated Sensitization to Ferroptosis Increases the Severity of Pancreatitis in Mice. *Cellular and Molecular Gastroenterology and Hepatology*, **2021**,	7.9	8
90	PPARG-mediated ferroptosis in dendritic cells limits antitumor immunity. *Biochemical and Biophysical Research Communications*, **2021**, 576, 33-39	3.4	4
89	Targeting ferroptosis in pancreatic cancer: a double-edged sword. *Trends in Cancer*, **2021**, 7, 891-901	12.5	12
88	The dark side of ferroptosis in pancreatic cancer. *OncoImmunology*, **2021**, 10, 1868691	7.2	9
87	Pirin is a nuclear redox-sensitive modulator of autophagy-dependent ferroptosis. *Biochemical and Biophysical Research Communications*, **2021**, 536, 100-106	3.4	11
86	Cellular degradation systems in ferroptosis. *Cell Death and Differentiation*, **2021**, 28, 1135-1148	12.7	70
85	NUPR1 is a critical repressor of ferroptosis. *Nature Communications*, **2021**, 12, 647	17.4	37
84	The BET family in immunity and disease. *Signal Transduction and Targeted Therapy*, **2021**, 6, 23	21	32
83	DCN released from ferroptotic cells ignites AGER-dependent immune responses.. *Autophagy*, **2021**, 1-14	10.2	2
82	HMGB1 as a potential biomarker and therapeutic target for severe COVID-19. *Heliyon*, **2020**, 6, e05672	3.6	50

81	Ferroptotic damage promotes pancreatic tumorigenesis through a TMEM173/STING-dependent DNA sensor pathway. *Nature Communications*, **2020**, 11, 6339	17.4	72
80	Interplay Between Lipid Metabolism and Autophagy. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 431	5.7	45
79	Autophagy-Dependent Ferroptosis: Machinery and Regulation. *Cell Chemical Biology*, **2020**, 27, 420-435	8.2	150
78	Transcription factors in ferroptotic cell death. *Cancer Gene Therapy*, **2020**, 27, 645-656	5.4	54
77	TMEM173 Drives Lethal Coagulation in Sepsis. *Cell Host and Microbe*, **2020**, 27, 556-570.e6	23.4	53
76	ACOD1 in immunometabolism and disease. *Cellular and Molecular Immunology*, **2020**, 17, 822-833	15.4	25
75	The Multifaceted Effects of Autophagy on the Tumor Microenvironment. *Advances in Experimental Medicine and Biology*, **2020**, 1225, 99-114	3.6	9
74	The circadian clock protects against ferroptosis-induced sterile inflammation. *Biochemical and Biophysical Research Communications*, **2020**, 525, 620-625	3.4	19
73	AIFM2 blocks ferroptosis independent of ubiquinol metabolism. *Biochemical and Biophysical Research Communications*, **2020**, 523, 966-971	3.4	54
72	The hallmarks of COVID-19 disease. *PLoS Pathogens*, **2020**, 16, e1008536	7.6	200
71	Autophagy-dependent ferroptosis drives tumor-associated macrophage polarization via release and uptake of oncogenic KRAS protein. *Autophagy*, **2020**, 16, 2069-2083	10.2	125
70	ESCRT-III-dependent membrane repair blocks ferroptosis. *Biochemical and Biophysical Research Communications*, **2020**, 522, 415-421	3.4	53
69	NEDD4L-mediated LTF protein degradation limits ferroptosis. *Biochemical and Biophysical Research Communications*, **2020**, 531, 581-587	3.4	32
68	Extracellular SQSTM1 mediates bacterial septic death in mice through insulin receptor signalling. *Nature Microbiology*, **2020**, 5, 1576-1587	26.6	17
67	Oxidative Damage and Antioxidant Defense in Ferroptosis. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 586578	5.7	79
66	Cathepsin B is a mediator of organelle-specific initiation of ferroptosis. *Biochemical and Biophysical Research Communications*, **2020**, 533, 1464-1469	3.4	20
65	Iron Metabolism in Ferroptosis. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 590226	5.7	92
64	Mitophagy Receptors in Tumor Biology. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 594203	5.7	14

63	Chloroquine in fighting COVID-19: good, bad, or both?. *Autophagy*, **2020**, 16, 2273-2275	10.2	9
62	Damage-Associated Molecular Patterns and the Systemic Immune Consequences of Severe Thermal Injury. *Journal of Immunology*, **2020**, 205, 1189-1197	5.3	8
61	Ferroptosis is a type of autophagy-dependent cell death. *Seminars in Cancer Biology*, **2020**, 66, 89-100	12.7	215
60	The release and activity of HMGB1 in ferroptosis. *Biochemical and Biophysical Research Communications*, **2019**, 510, 278-283	3.4	140
59	cAMP metabolism controls caspase-11 inflammasome activation and pyroptosis in sepsis. *Science Advances*, **2019**, 5, eaav5562	14.3	46
58	The molecular machinery of regulated cell death. *Cell Research*, **2019**, 29, 347-364	24.7	583
57	The tumor suppressor protein p53 and the ferroptosis network. *Free Radical Biology and Medicine*, **2019**, 133, 162-168	7.8	159
56	AGER-Mediated Lipid Peroxidation Drives Caspase-11 Inflammasome Activation in Sepsis. *Frontiers in Immunology*, **2019**, 10, 1904	8.4	13
55	Clockophagy is a novel selective autophagy process favoring ferroptosis. *Science Advances*, **2019**, 5, eaaw2238	14.3	137
54	Lipid storage and lipophagy regulates ferroptosis. *Biochemical and Biophysical Research Communications*, **2019**, 508, 997-1003	3.4	123
53	JTC801 Induces pH-dependent Death Specifically in Cancer Cells and Slows Growth of Tumors in Mice. *Gastroenterology*, **2018**, 154, 1480-1493	13.3	48
52	Crosstalk between hepatitis B virus X and high-mobility group box 1 facilitates autophagy in hepatocytes. *Molecular Oncology*, **2018**, 12, 322-338	7.9	24
51	Ferroptosis is a lysosomal cell death process. *Biochemical and Biophysical Research Communications*, **2018**, 503, 1550-1556	3.4	90
50	The ferroptosis inducer erastin promotes proliferation and differentiation in human peripheral blood mononuclear cells. *Biochemical and Biophysical Research Communications*, **2018**, 503, 1689-1695	3.4	20
49	AMPK-Mediated BECN1 Phosphorylation Promotes Ferroptosis by Directly Blocking System X Activity. *Current Biology*, **2018**, 28, 2388-2399.e5	6.3	234
48	The Circadian Clock Controls Immune Checkpoint Pathway in Sepsis. *Cell Reports*, **2018**, 24, 366-378	10.6	65
47	PINK1 and PARK2 Suppress Pancreatic Tumorigenesis through Control of Mitochondrial Iron-Mediated Immunometabolism. *Developmental Cell*, **2018**, 46, 441-455.e8	10.2	107
46	Lipid Peroxidation Drives Gasdermin D-Mediated Pyroptosis in Lethal Polymicrobial Sepsis. *Cell Host and Microbe*, **2018**, 24, 97-108.e4	23.4	206

45	The Dual Role of HMGB1 in Pancreatic Cancer. *Journal of Pancreatology*, **2018**, 1, 19-24	1.9	2
44	AMPK regulates immunometabolism in sepsis. *Brain, Behavior, and Immunity*, **2018**, 72, 89-100	16.6	20
43	High mobility group protein B1 controls liver cancer initiation through yes-associated protein -dependent aerobic glycolysis. *Hepatology*, **2018**, 67, 1823-1841	11.2	63
42	A novel lncRNA, TCONS_00006195, represses hepatocellular carcinoma progression by inhibiting enzymatic activity of ENO1. *Cell Death and Disease*, **2018**, 9, 1184	9.8	31
41	The STING-STAT6 pathway drives Cas9-induced host response in human monocytes. *Biochemical and Biophysical Research Communications*, **2018**, 506, 278-283	3.4	4
40	HSPA5 Regulates Ferroptotic Cell Death in Cancer Cells. *Cancer Research*, **2017**, 77, 2064-2077	10.1	181
39	The long non-coding RNA TP73-AS1 modulates HCC cell proliferation through miR-200a-dependent HMGB1/RAGE regulation. *Journal of Experimental and Clinical Cancer Research*, **2017**, 36, 51	12.8	102
38	Autophagy and Ferroptosis - What's the Connection?. *Current Pathobiology Reports*, **2017**, 5, 153-159	2	78
37	ALK is a therapeutic target for lethal sepsis. *Science Translational Medicine*, **2017**, 9,	17.5	58
36	Inhibition of Aurora Kinase A Induces Necroptosis in Pancreatic Carcinoma. *Gastroenterology*, **2017**, 153, 1429-1443.e5	13.3	69
35	The Tumor Suppressor p53 Limits Ferroptosis by Blocking DPP4 Activity. *Cell Reports*, **2017**, 20, 1692-1704	8.6	313
34	Identification of ACSL4 as a biomarker and contributor of ferroptosis. *Biochemical and Biophysical Research Communications*, **2016**, 478, 1338-43	3.4	310
33	CISD1 inhibits ferroptosis by protection against mitochondrial lipid peroxidation. *Biochemical and Biophysical Research Communications*, **2016**, 478, 838-44	3.4	192
32	FANCD2 protects against bone marrow injury from ferroptosis. *Biochemical and Biophysical Research Communications*, **2016**, 480, 443-449	3.4	76
31	PKM2-dependent glycolysis promotes NLRP3 and AIM2 inflammasome activation. *Nature Communications*, **2016**, 7, 13280	17.4	210
30	A novel PINK1- and PARK2-dependent protective neuroimmune pathway in lethal sepsis. *Autophagy*, **2016**, 12, 2374-2385	10.2	53
29	Antiferroptotic activity of non-oxidative dopamine. *Biochemical and Biophysical Research Communications*, **2016**, 480, 602-607	3.4	35
28	Metallothionein-1G facilitates sorafenib resistance through inhibition of ferroptosis. *Hepatology*, **2016**, 64, 488-500	11.2	264

27	Autophagy promotes ferroptosis by degradation of ferritin. *Autophagy*, **2016**, 12, 1425-8	10.2	637
26	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
25	Novel chemokine-like activities of histones in tumor metastasis. *Oncotarget*, **2016**, 7, 61728-61740	3.3	9
24	Plumbagin Protects Mice from Lethal Sepsis by Modulating Immunometabolism Upstream of PKM2. *Molecular Medicine*, **2016**, 22, 162-172	6.2	25
23	Identification of baicalein as a ferroptosis inhibitor by natural product library screening. *Biochemical and Biophysical Research Communications*, **2016**, 473, 775-780	3.4	110
22	The Receptor for Advanced Glycation End Products Activates the AIM2 Inflammasome in Acute Pancreatitis. *Journal of Immunology*, **2016**, 196, 4331-7	5.3	39
21	Activation of the p62-Keap1-NRF2 pathway protects against ferroptosis in hepatocellular carcinoma cells. *Hepatology*, **2016**, 63, 173-84	11.2	676
20	Nuclear DAMP complex-mediated RAGE-dependent macrophage cell death. *Biochemical and Biophysical Research Communications*, **2015**, 458, 650-655	3.4	22
19	Oxidative stress-mediated HMGB1 biology. *Frontiers in Physiology*, **2015**, 6, 93	4.6	145
18	DAMPs, ageing, and cancer: The ŞDAMP HypothesisŞ *Ageing Research Reviews*, **2015**, 24, 3-16	12	89
17	The ferroptosis inducer erastin enhances sensitivity of acute myeloid leukemia cells to chemotherapeutic agents. *Molecular and Cellular Oncology*, **2015**, 2, e1054549	1.2	186
16	Reactive oxygen species regulate the differentiation of acute promyelocytic leukemia cells through HMGB1-mediated autophagy. *American Journal of Cancer Research*, **2015**, 5, 714-25	4.4	17
15	PKM2 regulates the Warburg effect and promotes HMGB1 release in sepsis. *Nature Communications*, **2014**, 5, 4436	17.4	241
14	HMGB1 in health and disease. *Molecular Aspects of Medicine*, **2014**, 40, 1-116	16.7	557
13	High mobility group box 1 (HMGB1) phenotypic role revealed with stress. *Molecular Medicine*, **2014**, 20, 359-62	6.2	31
12	Cell death and DAMPs in acute pancreatitis. *Molecular Medicine*, **2014**, 20, 466-77	6.2	85
11	Intracellular Hmgb1 inhibits inflammatory nucleosome release and limits acute pancreatitis in mice. *Gastroenterology*, **2014**, 146, 1097-107	13.3	151
10	Autophagy is required for IL-2-mediated fibroblast growth. *Experimental Cell Research*, **2013**, 319, 556-65	4.2	25

9	HMGB1 in cancer: good, bad, or both?. *Clinical Cancer Research*, **2013**, 19, 4046-57	12.9	327
8	Emerging role of high-mobility group box 1 (HMGB1) in liver diseases. *Molecular Medicine*, **2013**, 19, 357-66	6.0	80
7	PKR-dependent inflammatory signals. *Science Signaling*, **2012**, 5, pe47	8.8	69
6	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
5	AGER/RAGE-mediated autophagy promotes pancreatic tumorigenesis and bioenergetics through the IL6-pSTAT3 pathway. *Autophagy*, **2012**, 8, 989-91	10.2	73
4	RAGE regulates autophagy and apoptosis following oxidative injury. *Autophagy*, **2011**, 7, 442-4	10.2	62
3	HMGB1 as an autophagy sensor in oxidative stress. *Autophagy*, **2011**, 7, 904-6	10.2	64
2	Metabolic regulation by HMGB1-mediated autophagy and mitophagy. *Autophagy*, **2011**, 7, 1256-8	10.2	80
1	HMGB1: a novel Beclin 1-binding protein active in autophagy. *Autophagy*, **2010**, 6, 1209-11	10.2	153