Ischemia/Reperfusion

DOI: 10.1002/cphy.c160006
Comprehensive Physiology, 2016, 7, 113-170.

#	Paper	IF	Citations
445	Inhibition of long noncoding RNA BDNF-AS rescues cell death and apoptosis in hypoxia/reoxygenation damaged murine cardiomyocyte. **2017**, 138, 43-49		12
444	Mitochondrial transplantation: From animal models to clinical use in humans. **2017**, 34, 127-134		80
443	Doxycycline protects human intestinal cells from hypoxia/reoxygenation injury: Implications from an in-vitro hypoxia model. **2017**, 353, 109-114		5
442	Preconditioning with the BK channel activator NS-1619 prevents ischemia-reperfusion-induced inflammation and mucosal barrier dysfunction: roles for ROS and heme oxygenase-1. **2017**, 313, H988-H999		16
441	BDNF - A key player in cardiovascular system. **2017**, 110, 54-60		60
440	Modeling oxygen requirements in ischemic cardiomyocytes. **2017**, 292, 11760-11776		13
439	Schisandrin B Ameliorates Myocardial Ischemia/Reperfusion Injury Through Attenuation of Endoplasmic Reticulum Stress-Induced Apoptosis. **2017**, 40, 1903-1911		30
438	Hemorrhagic Shock and the Microvasculature. *Comprehensive Physiology*, **2017**, 8, 61-101	7.7	23
437	Optimized Model of Cerebral Ischemia for the Long-Lasting Assessment of Hippocampal Cell Death. **2017**, 11, 388		7
436	An overview of protective strategies against ischemia/reperfusion injury: The role of hyperbaric oxygen preconditioning. **2018**, 8, e00959		42
435	No Sweetie Pie: Newly Uncovered Role for PAI (Plasminogen Activator Inhibitor)-1 in Inflammatory Responses to Ischemia/Reperfusion. **2018**, 38, 695-697		2
434	Whole Blood Redox Potential Correlates With Progressive Accumulation of Oxygen Debt and Acts as A Marker of Resuscitation in A Swine Hemorrhagic Shock Model. **2018**, 49, 345-351		11
433	Prevention of ischemia-induced hearing loss by intravenous administration of hydrogen-rich saline in gerbil. **2018**, 665, 195-199		1
432	Role of p-MKK7 in myricetin-induced protection against intestinal ischemia/reperfusion injury. **2018** , 129, 432-442		21
431	Inhibition of heparanase protects against chronic kidney dysfunction following ischemia/reperfusion injury. **2018**, 9, 36185-36201		16
430	Effect of atorvastatin on oxidative damage and inflammation in experimental hindlimb ischemia–reperfusion model. **2018**, 16, 205873921881266		
429	Mechanisms of Bone Morphogenetic Protein-7 Protective Effects Against Cold Ischemia-Induced Renal Injury in Rats. **2018**, 50, 3822-3830		4

428	Adipose-derived stem cells alleviate liver apoptosis induced by ischemia-reperfusion and laparoscopic hepatectomy in swine. **2018**, 8, 16878	14
427	Apigenin Protects the Brain against Ischemia/Reperfusion Injury via Caveolin-1/VEGF In Vitro and In Vivo. **2018**, 2018, 7017204	17
426	Pretreatment with Total Flavonoid Extract from Dracocephalum Moldavica L. Attenuates Ischemia Reperfusion-induced Apoptosis. **2018**, 8, 17491	19
425	RNA Sequencing for Gene Expression Profiles in a Rat Model of Middle Cerebral Artery Occlusion. **2018**, 2018, 2465481	5
424	Combined Therapy with SS31 and Mitochondria Mitigates Myocardial Ischemia-Reperfusion Injury in Rats. **2018**, 19,	32
423	Chick Embryo: A Preclinical Model for Understanding Ischemia-Reperfusion Mechanism. **2018**, 9, 1034	8
422	Estrogen and propofol combination therapy inhibits endoplasmic reticulum stress and remarkably attenuates cerebral ischemia-reperfusion injury and OGD injury in hippocampus. **2018**, 108, 1596-1606	21
421	Angioedema and Hemorrhage After 4.5-Hour tPA (Tissue-Type Plasminogen Activator) Thrombolysis Ameliorated by T541 via Restoring Brain Microvascular Integrity. **2018**, 49, 2211-2219	21
420	Beneficial impacts of Lactobacillus plantarum and inulin on hypothalamic levels of insulin, leptin, and oxidative markers in diabetic rats. **2018**, 46, 529-537	18
419	Quantitative MRI Helps to Detect Hip Ischemia: Preclinical Model of Legg-Calv□Perthes Disease. **2018**, 289, 386-395	2
418	Transcriptomic Study Reveals Recovery of Impaired Astrocytes Contribute to Neuroprotective Effects of Danhong Injection Against Cerebral Ischemia/Reperfusion-Induced Injury. **2018**, 9, 250	9
417	Cerebral Blood Flow in Polytrauma: Transcranial Doppler Analysis in a Nonhuman Primate Shock´Model. **2018**, 232, 146-153	2
416	Protective effect and mechanism of Lactobacillus on cerebral ischemia reperfusion injury in rats. **2018**, 51, e7172	13
415	Mechanisms of I/R-Induced Endothelium-Dependent Vasodilator Dysfunction. **2018**, 81, 331-364	7
414	Gastrin Protects Against Myocardial Ischemia/Reperfusion Injury via Activation of RISK (Reperfusion Injury Salvage Kinase) and SAFE (Survivor Activating Factor Enhancement) Pathways. **2018**, 7,	20
413	Cyclic Nucleotide-Directed Protein Kinases in Cardiovascular Inflammation and Growth. **2018**, 5,	3
412	Tisp40 deficiency limits renal inflammation and promotes tubular cell proliferation in renal ischemia reperfusion injury. **2018**, 371, 255-261	5
411	Platycodin D inhibits oxidative stress and apoptosis in H9c2 cardiomyocytes following hypoxia/reoxygenation injury. **2018**, 503, 3219-3224	16

410	Cardioprotection of tilianin ameliorates myocardial ischemia-reperfusion injury: Role of the apoptotic signaling pathway. **2018**, 13, e0193845	21
409	Radiologic Cerebral Reperfusion at 24 h Predicts Good Clinical Outcome. **2019**, 10, 178-188	9
408	Advanced age protects resistance arteries of mouse skeletal muscle from oxidative stress through attenuating apoptosis induced by hydrogen peroxide. **2019**, 597, 3801-3816	8
407	The functions and clinical application potential of exosomes derived from adipose mesenchymal stem cells: a comprehensive review. **2019**, 10, 242	92
406	Organ crosstalk: the potent roles of inflammation and fibrotic changes in the course of organ interactions. **2019**, 68, 825-839	20
405	Effect of Telmisartan in the Oxidative Stress Components Induced by Ischemia Reperfusion in Rats. **2019**, 2019, 1302985	7
404	Modulating effects of immediate neuroprognosis on early coronary angiography and targeted temperature management following out-of-hospital cardiac arrest: A retrospective cohort study. **2019**, 143, 42-49	1
403	The olfactomedin-4 positive neutrophil has a role in murine intestinal ischemia/reperfusion injury. **2019**, 33, 13660-13668	5
402	Extracellular HtrA2 Induces Apoptosis in Human Umbilical Vein Endothelial Cells. **2019**, 20,	2
401	Pterostilbene Attenuates Astrocytic Inflammation and Neuronal Oxidative Injury After Ischemia-Reperfusion by Inhibiting NF-B Phosphorylation. **2019**, 10, 2408	42
400	Protective effect of Barbaloin in a rat model of myocardial ischemia reperfusion injury through the regulation of the CNPY2-PERK pathway. **2019**, 43, 2015-2023	10
399	Opioids Preconditioning Upon Renal Function and Ischemia-Reperfusion Injury: A Narrative Review. **2019**, 55,	7
398	Astragaloside IV Protects Primary Cerebral Cortical Neurons from Oxygen and Glucose Deprivation/Reoxygenation by Activating the PKA/CREB Pathway. **2019**, 404, 326-337	25
397	Hypoxia preconditioned renal tubular epithelial cell-derived extracellular vesicles alleviate renal ischaemia-reperfusion injury mediated by the HIF-1/Rab22 pathway and potentially affected by microRNAs. **2019**, 15, 1161-1176	14
396	Pramipexole prevents ischemic cell death via mitochondrial pathways in ischemic stroke. **2019**, 12,	21
395	Proteomic analyses identify a potential mechanism by which extracellular vesicles aggravate ischemic stroke. **2019**, 231, 116527	2
394	Paeoniflorin protects against intestinal ischemia/reperfusion by activating LKB1/AMPK and promoting autophagy. **2019**, 146, 104308	42
393	The many acidBase manifestations and consequences of hypoxia. **2019**, 7, 72-81	1

392	Protective role of -acetyl-l-tryptophan against hepatic ischemia-reperfusion injury via the RIP2/caspase-1/IL-1signaling pathway. **2019**, 57, 385-391	9
391	Cardioprotective Effect of Isosorbide Dinitrate Postconditioning Against Rat Myocardial Ischemia-Reperfusion Injury In Vivo. **2019**, 25, 1629-1636	4
390	Fluoxetine mitigating late-stage cognition and neurobehavior impairment induced by cerebral ischemia reperfusion injury through inhibiting ERS-mediated neurons apoptosis in the hippocampus. **2019**, 370, 111952	11
389	Rewarming Injury after Cold Preservation. **2019**, 20,	17
388	The Study of the Neuroprotective Effects of Carnosine in the Experimental Model of Focal Cerebral Ischemia/Reperfusion. **2019**, 13, 55-59	
387	Geniposide protects against hypoxia/reperfusion-induced blood-brain barrier impairment by increasing tight junction protein expression and decreasing inflammation, oxidative stress, and apoptosis in an in vitro system. **2019**, 854, 224-231	25
386	The protective role of IL-1Ra on intestinal ischemia reperfusion injury by anti-oxidative stress via Nrf2/HO-1 pathway in rat. **2019**, 42, 36-45	18
385	Acid-Base Disturbances in Patients with Asthma: A Literature Review and Comments on Their Pathophysiology. **2019**, 8,	8
384	FABP4 silencing ameliorates hypoxia reoxygenation injury through the attenuation of endoplasmic reticulum stress-mediated apoptosis by activating PI3K/Akt pathway. **2019**, 224, 149-156	21
383	Savaging brain ischemia by increasing brain uptake of neuroprotectants. **2019**, 357-374	
382	Reactive species-induced microvascular dysfunction in ischemia/reperfusion. **2019**, 135, 182-197	39
381	Lipopolysaccharide (LPS) Aggravates High Glucose- and Hypoxia/Reoxygenation-Induced Injury through Activating ROS-Dependent NLRP3 Inflammasome-Mediated Pyroptosis in H9C2 Cardiomyocytes. **2019**, 2019, 8151836	96
380	Temporal dynamics of immune response following prolonged myocardial ischemia/reperfusion with and without cyclosporine A. **2019**, 40, 1168-1183	13
379	Hydrogen and Oxygen Mixture to Improve Cardiac Dysfunction and Myocardial Pathological Changes Induced by Intermittent Hypoxia in Rats. **2019**, 2019, 7415212	29
378	Potential therapeutic roles of stem cells in ischemia-reperfusion injury. **2019**, 37, 101421	28
377	Transcriptional Regulation of Antioxidant Enzymes Activity and Modulation of Oxidative Stress by Melatonin in Rats Under Cerebral Ischemia / Reperfusion Conditions. **2019**, 406, 653-666	16
376	Platelet-to-neutrophil ratio is a prognostic marker for 90-days outcome in acute ischemic stroke. **2019**, 63, 110-115	17
375	Protective Effects of Extract against Cardiac Ischemia/Reperfusion Injury in Spontaneously Hypertensive Rats. **2019**, 2019, 4235405	11

374	Histone acetylation and DNA methylation in ischemia/reperfusion injury. **2019**, 133, 597-609	42
373	The Guizhi Gancao Decoction Attenuates Myocardial Ischemia-Reperfusion Injury by Suppressing Inflammation and Cardiomyocyte Apoptosis. **2019**, 2019, 1947465	5
372	Postconditioning Protection Against Myocardiocyte Anoxia/Reoxygenation Injury From Penehyclidine Hydrochloride. **2019**, 13, 3977-3988	3
371	Cardiac Arrest Prior to Venoarterial Extracorporeal Membrane Oxygenation: Risk Factors for Mortality. **2019**, 47, 926-933	12
370	A Chinese 4-herb formula, Yiqi-Huoxue granule, alleviates HO-induced apoptosis by upregulating uncoupling protein 2 in H9c2 cells. **2019**, 53, 171-181	6
369	Ischaemic and hypoxic conditioning: potential for protection of vital organs. **2019**, 104, 278-294	32
368	Hormetic Responses to Ethanol Ingestion. **2019**, 105-120	
367	Control and dysregulation of redox signalling in the gastrointestinal tract. **2019**, 16, 106-120	52
366	Loss of MD1 exacerbates myocardial ischemia/reperfusion injury and susceptibility to ventricular arrhythmia. **2019**, 844, 79-86	17
365	Pharmacologic ATF6 activation confers global protection in widespread disease models by reprograming cellular proteostasis. **2019**, 10, 187	83
364	Chlorinated Lipids Elicit Inflammatory Responses in vitro and in vivo. **2019**, 51, 114-122	10
363	Cardioprotective effects of L. extract against myocardial ischemia-reperfusion injury. **2020**, 126, 408-415	5
362	The Effect of Hepcidin on Cardiac Ischemia-Reperfusion Injury. **2020**, 33, 813-821	2
361	Pharmacological preconditioning with phosphodiestrase inhibitor: an answer to stem cell survival against ischemic injury through JAK/STAT signaling. **2020**, 25, 355-366	7
360	PINK1 overexpression protects against cerebral ischemia through Parkin regulation. **2020**, 35, 188-193	8
359	Therapeutic Hypothermia Improves Hind Limb Motor Outcome and Attenuates Oxidative Stress and Neuronal Damage in the Lumbar Spinal Cord Following Cardiac Arrest. **2020**, 9,	9
358	Investigating the sperm parameters, oxidative stress and histopathological effects of salvia miltiorrhiza hydroalcoholic extract in the prevention of testicular ischemia reperfusion damage in rats. **2020**, 144, 98-106	10
357	Salvianolic acid B protects against myocardial ischaemia-reperfusion injury in rats via inhibiting high mobility group box 1 protein expression through the PI3K/Akt signalling pathway. **2020**, 393, 1527-1539	8

356	MiR-137-3p exacerbates the ischemia-reperfusion injured cardiomyocyte apoptosis by targeting KLF15. **2020**, 393, 1013-1024	7
355	Ropinirole induces neuroprotection following reperfusion-promoted mitochondrial dysfunction after focal cerebral ischemia in Wistar rats. **2020**, 77, 94-104	5
354	Matrix metalloproteinase-2 activation: critical to myocardial contractile dysfunction following ischaemia-reperfusion. **2020**, 116, 876-878	0
353	Fibrauretine reduces ischemia/reperfusion injury via RISK/eNOS activation. **2020**, 393, 1515-1525	1
352	Microvascular pericytes in brain-associated vascular disease. **2020**, 121, 109633	16
351	Therapeutic perspectives of heat shock proteins and their protein-protein interactions in myocardial infarction. **2020**, 160, 105162	4
350	Exosomes Secreted From Bone Marrow Mesenchymal Stem Cells Attenuate Oxygen-Glucose Deprivation/Reoxygenation-Induced Pyroptosis in PC12 Cells by Promoting AMPK-Dependent Autophagic Flux. **2020**, 14, 182	23
349	S100A8/A9 in Myocardial Infarction: A Promising Biomarker and Therapeutic Target. **2020**, 8, 603902	9
348	Long Noncoding RNA/Circular RNA-miRNA-mRNA Axes in Ischemia-Reperfusion Injury. **2020**, 2020, 8838524	11
347	Protective Effects of Polyphenols against Ischemia/Reperfusion Injury. **2020**, 25,	12
346	Myeloperoxidase instigates proinflammatory responses in a cecal ligation and puncture rat model of sepsis. **2020**, 319, H705-H721	6
345	Mesenchymal Stem/Stromal Cell-Mediated Mitochondrial Transfer and the Therapeutic Potential in Treatment of Neurological Diseases. **2020**, 2020, 8838046	12
344	Oxidative Stress-Mediated Blood-Brain Barrier (BBB) Disruption in Neurological Diseases. **2020**, 2020, 1-27	20
343	In Vitro Evaluation of the Neuroprotective Effect of Saponins by Activating the EGFR/PI3K/AKT Pathway. **2020**, 2020, 1403572	2
342	Olfactory Mucosa Mesenchymal Stem Cells Alleviate Cerebral Ischemia/Reperfusion Injury Golgi Apparatus Secretory Pathway Ca -ATPase Isoform1. **2020**, 8, 586541	11
341	Diazoxide Protects against Myocardial Ischemia/Reperfusion Injury by Moderating ERS via Regulation of the miR-10a/IRE1 Pathway. **2020**, 2020, 4957238	3
340	Knockdown of Tripartite Motif 8 Protects H9C2 Cells Against Hypoxia/Reoxygenation-Induced Injury Through the Activation of PI3K/Akt Signaling Pathway. **2020**, 29, 963689720949247	2
339	1-Trifluoromethoxyphenyl-3-(1-Propionylpiperidin-4-yl) Urea Protects the Blood-Brain Barrier Against Ischemic Injury by Upregulating Tight Junction Protein Expression, Mitigating Apoptosis and Inflammation and Model. **2020**, 11, 1197	6

338	circ-PRKCB acts as a ceRNA to regulate p66Shc-mediated oxidative stress in intestinal ischemia/reperfusion. **2020**, 10, 10680-10696	9
337	NAD Metabolism as an Emerging Therapeutic Target for Cardiovascular Diseases Associated With Sudden Cardiac Death. **2020**, 11, 901	10
336	Defining Endothelial Cell-Derived Factors That Promote Pericyte Recruitment and Capillary Network Assembly. **2020**, 40, 2632-2648	13
335	Modulatory Effect of Myokines on Reactive Oxygen Species in Ischemia/Reperfusion. **2020**, 21,	8
334	PINK1 Activation and Translocation to Mitochondria-Associated Membranes Mediates Mitophagy and Protects Against Hepatic Ischemia/Reperfusion Injury. **2020**, 54, 783-793	11
333	And Inulin: Therapeutic Agents to Enhance Cardiac Ob Receptor Expression and Suppress Cardiac Apoptosis in Type 2 Diabetic Rats. **2020**, 2020, 4745389	7
332	Accumulative occlusion time correlates with postoperative pulmonary complications in patients undergoing pelvic and sacrum tumor resection assisted by abdominal aortic balloon occlusion: a retrospective cohort study. **2020**, 21, 309	2
331	Effects of Protective Controlled Coronary Reperfusion on Left Ventricular Remodeling in Dogs With Acute Myocardial Infarction: A Pilot Study. **2020**, 21, 1579-1584	1
330	The Role of Hormones and Trophic Factors as Components of Preservation Solutions in Protection of Renal Function before Transplantation: A Review of the Literature. **2020**, 25,	4
329	The Application of Ferroptosis in Diseases. **2020**, 159, 104919	69
328	Remote ischemic conditioning in active ulcerative colitis: An explorative randomized clinical trial. **2020**, 10, 9537	2
327	Intraoperative hypotension is associated with increased postoperative complications in patients undergoing surgery for pheochromocytoma-paraganglioma: a retrospective cohort study. **2020**, 20, 147	5
326	Cardioprotective effect of taurine and β-alanine against cardiac disease in myocardial ischemia and reperfusion-induced rats. **2020**, 45, 46-52	2
325	N-methyladenosine (mA) methylation in ischemia-reperfusion injury. **2020**, 11, 478	12
324	Chronic treatment with rofecoxib but not ischemic preconditioning of the myocardium ameliorates early intestinal damage following cardiac ischemia/reperfusion injury in rats. **2020**, 178, 114099	5
323	Neuroprotective effect of Umbelliferone against Cerebral ischemia/Reperfusion induced neurological deficits: and studies. **2021**, 39, 4715-4725	5
322	Oxidative Stress and Microvessel Barrier Dysfunction. **2020**, 11, 472	17
321	The Role of Estrogen Receptors in Cardiovascular Disease. **2020**, 21,	29

320	Extracellular Vesicles as Mediators of Cellular Crosstalk Between Immune System and Kidney Graft. **2020**, 11, 74	28
319	Attenuates Hypoxia/Reoxygenation-Induced Oxidative Injury in Primary Hippocampal Neurons through Suppressing GluN2B Expression. **2020**, 9,	9
318	Inhibition of miR-153 ameliorates ischemia/reperfusion-induced cardiomyocytes apoptosis by regulating Nrf2/HO-1 signaling in rats. **2020**, 19, 15	10
317	Designing Novel Therapies to Mend Broken Hearts: ATF6 and Cardiac Proteostasis. **2020**, 9,	2
316	Mild Hypothermia Attenuates Hepatic Ischemia-Reperfusion Injury through Regulating the JAK2/STAT3-CPT1a-Dependent Fatty Acid -Oxidation. **2020**, 2020, 5849794	3
315	Exosomes-carried microRNA-26b-5p regulates microglia M1 polarization after cerebral ischemia/reperfusion. **2020**, 19, 1022-1035	22
314	Extracellular vesicles for treatment of solid organ ischemia-reperfusion injury. **2020**, 20, 3294-3307	14
313	Effect of Hepatic Macrophage Polarization and Apoptosis on Liver Ischemia and Reperfusion Injury During Liver Transplantation. **2020**, 11, 1193	24
312	Physiopathology of the Permeability Transition Pore: Molecular Mechanisms in Human Pathology. **2020**, 10,	40
311	(-)-Clausenamide alleviated ER stress and apoptosis induced by OGD/R in primary neuron cultures. **2020**, 42, 730-738	4
310	Oxidative stress evaluation of skeletal muscle in ischemia-reperfusion injury using enhanced magnetic resonance imaging. **2020**, 10, 10863	9
309	A miR-1275 mimic protects myocardiocyte apoptosis by regulating the Wnt/NF-Β pathway in a rat model of myocardial ischemia-reperfusion-induced myocardial injury. **2020**, 466, 129-137	4
308	Caffeine exposure ameliorates acute ischemic cell death in avian developing retina. **2020**, 16, 41-59	3
307	Glycocalyx Degradation in Ischemia-Reperfusion Injury. **2020**, 190, 752-767	30
306	Dimethyl fumarate and curcumin attenuate hepatic ischemia/reperfusion injury via Nrf2/HO-1 activation and anti-inflammatory properties. **2020**, 80, 106131	24
305	Calcium overload decreases net free radical emission in cardiac mitochondria. **2020**, 51, 126-139	11
304	Effects of iloprost on experimental ischemia and reperfusion injury in rat ovary. **2020**, 95, 373-380	5
303	Direct Peritoneal Resuscitation with Pyruvate Protects the Spinal Cord and Induces Autophagy via Regulating PHD2 in a Rat Model of Spinal Cord Ischemia-Reperfusion Injury. **2020**, 2020, 4909103	2

302	Cytochrome c phosphorylation: Control of mitochondrial electron transport chain flux and apoptosis. **2020**, 121, 105704	44
301	Dexmedetomidine alleviates HO-induced oxidative stress and cell necroptosis through activating of □2-adrenoceptor in H9C2 cells. **2020**, 47, 3629-3639	7
300	Reperfusion Interval as a Prevention of Lung Injury Due to Limb Ischemia-Reperfusion After Application of Tourniquet in Murine Experimental Study. **2020**, 54, 704-710	2
299	Cardiovascular Impairment in COVID-19: Learning From Current Options for Cardiovascular Anti-Inflammatory Therapy. **2020**, 7, 78	17
298	TRAF5 protects against myocardial ischemia reperfusion injury via AKT signaling. **2020**, 878, 173092	7
297	Beta-Asarone Alleviates Myocardial Ischemia-Reperfusion Injury by Inhibiting Inflammatory Response and NLRP3 Inflammasome Mediated Pyroptosis. **2020**, 43, 1046-1051	5
296	Crosstalk between GSK-3□actuated molecular cascades and myocardial physiology. **2021**, 26, 1495-1504	3
295	Blocking the death checkpoint protein TRAIL improves cardiac function after myocardial infarction in monkeys, pigs, and rats. **2020**, 12,	6
294	Drp1 regulates mitochondrial dysfunction and dysregulated metabolism in ischemic injury via Clec16a-, BAX-, and GSH- pathways. **2020**, 11, 251	18
293	Regulation of Prdx6 by Nrf2 Mediated Through aiPLA2 in White Matter Reperfusion Injury. **2021**, 58, 1275-1289	1
292	Evaluation of renal ischemia-reperfusion injury by magnetic resonance imaging texture analysis: An experimental study. **2021**, 85, 346-356	0
291	Neuroprotective effects of human amniotic fluid stem cells-derived secretome in an ischemia/reperfusion model. **2021**, 10, 251-266	14
290	Tongmai Yangxin pill reduces myocardial No-reflow via endothelium-dependent NO-cGMP signaling by activation of the cAMP/PKA pathway. **2021**, 267, 113462	1
289	Mechanism of Human Umbilical Cord Mesenchymal Stem Cells Derived-Extracellular Vesicle in Cerebral Ischemia-Reperfusion Injury. **2021**, 46, 455-467	5
288	How does oxygen diffuse from capillaries to tissue mitochondria? Barriers and pathways. **2021**, 599, 1769-1782	4
287	Microarray Profiling and Functional Identification of LncRNA in Mice Intestinal Mucosa Following Intestinal Ischemia/Reperfusion. **2021**, 258, 389-404	0
286	The role of aldosterone inhibitors in cardiac ischemia-reperfusion injury. **2021**, 99, 18-29	1
285	Normothermic kidney perfusion: An overview of protocols and strategies. **2021**, 21, 1382-1390	13

284	Exercise Training Decreases Hepatic Injury and Metastases Through Changes in Immune Response to Liver Ischemia/Reperfusion in Mice. **2021**, 73, 2494-2509	6
283	The role of anakinra in the modulation of intestinal cell apoptosis and inflammatory response during ischemia/reperfusion. **2021**, 51, 2177-2184	0
282	Conditioned Medium from Human Amnion-Derived Mesenchymal Stromal/Stem Cells Attenuating the Effects of Cold Ischemia-Reperfusion Injury in an In Vitro Model Using Human Alveolar Epithelial Cells. **2021**, 22,	7
281	Neuroprotective effect of heparin Trisulfated disaccharide on ischemic stroke. **2021**, 38, 35-43	
280	Hemodynamics in acute stroke: Cerebral and cardiac complications. **2021**, 177, 295-317	
279	SERCA2a ameliorates cardiomyocyte T-tubule remodeling via the calpain/JPH2 pathway to improve cardiac function in myocardial ischemia/reperfusion mice. **2021**, 11, 2037	5
278	Renoprotective effect of N-acetylcysteine depends upon the severity of the ischemia reperfusion injury. **2021**, 54, e9941	0
277	Natural Antioxidants Improve the Vulnerability of Cardiomyocytes and Vascular Endothelial Cells under Stress Conditions: A Focus on Mitochondrial Quality Control. **2021**, 2021, 6620677	10
276	Aloin antagonizes stimulated ischemia/reperfusion-induced damage and inflammatory response in cardiomyocytes by activating the Nrf2/HO-1 defense pathway. **2021**, 384, 735-744	10
275	Opioids and Acute Kidney Injury. **2021**, 41, 11-18	0
274	Estradiol prevented intestinal ischemia and reperfusion-induced changes in intestinal permeability and motility in male rats. **2021**, 76, e2683	3
273	DL-3n-Butylphthalide Improves Blood-Brain Barrier Integrity in Rat After Middle Cerebral Artery Occlusion. **2020**, 14, 610714	5
272	TRPC6 Attenuates Cortical Astrocytic Apoptosis and Inflammation in Cerebral Ischemic/Reperfusion Injury. **2020**, 8, 594283	5
271	The potential role of sestrin 2 in liver regeneration. **2021**, 163, 255-267	1
270	Astrocytes contribute to the neuronal recovery promoted by high-frequency repetitive magnetic stimulation in in vitro models of ischemia. **2021**, 99, 1414-1432	1
269	Tetrandrine attenuates ischemia/reperfusion-induced neuronal damage in the subacute phase. **2021**, 23,	3
268	Inhibition of microRNA-143-3p Attenuates Cerebral Ischemia/Reperfusion Injury by Targeting FSTL1. **2021**, 23, 500-510	2
267	Platelets as drivers of ischemia/reperfusion injury after stroke. **2021**, 5, 1576-1584	3

266	Elevated postischemic tissue injury and leukocyte-endothelial adhesive interactions in mice with global deficiency in caveolin-2: role of PAI-1. **2021**, 320, H1185-H1198	1
265	Oral zinc carnosine reduces multi-organ damage caused by gut ischemia/reperfusion in mice. **2021**, 78, 104361	1
264	Advances in Kidney Preservation Techniques and Their Application in Clinical Practice. **2021**, 105, e202-e214	6
263	Plasma from healthy donors protects blood-brain barrier integrity via FGF21 and improves the recovery in a mouse model of cerebral ischaemia. **2021**,	4
262	Drug delivery nanosystems targeted to hepatic ischemia and reperfusion injury. **2021**, 11, 397-410	1
261	Caffeine and Its Neuroprotective Role in Ischemic Events: A Mechanism Dependent on Adenosine Receptors. **2021**, 1	1
260	Early Diagnosis of Cerebral Ischemia Reperfusion Injury and Revelation of Its Regional Development by a HR Receptor-Directed Probe. **2021**, 6, 1330-1338	1
259	Oxidized phosphatidylcholines trigger ferroptosis in cardiomyocytes during ischemia-reperfusion injury. **2021**, 320, H1170-H1184	19
258	T1 and T2 mapping detect acute ischemic injury in a piglet model of Legg-Calv Perthes disease. **2021**,	0
257	The Endothelial Glycocalyx and Organ Preservation-From Physiology to Possible Clinical Implications for Solid Organ Transplantation. **2021**, 22,	4
256	Neuroprotective Effect for Cerebral Ischemia by Natural Products: A Review. **2021**, 12, 607412	4
255	Systematic Understanding of Pathophysiological Mechanisms of Oxidative Stress-Related Conditions-Diabetes Mellitus, Cardiovascular Diseases, and Ischemia-Reperfusion Injury. **2021**, 8, 649785	8
254	Selective-cerebral-hypothermia-induced neuroprotection against-focal cerebral ischemia/reperfusion injury is associated with an increase in SUMO2/3 conjugation. **2021**, 1756, 147311	1
253	Monoamine Oxidase Inhibitors: A Review of Their Anti-Inflammatory Therapeutic Potential and Mechanisms of Action. **2021**, 12, 676239	9
252	Structural and Functional Remodeling of Mitochondria in Cardiac Diseases. **2021**, 22,	2
251	LINGO-1 shRNA protects the brain against ischemia/reperfusion injury by inhibiting the activation of NF-B and JAK2/STAT3. **2021**, 34, 1114-1122	1
250	MiR-518a-5p Targets GZMB to Extenuate Vascular Endothelial Cell Injury Induced by Hypoxia-Reoxygenation and Thereby Improves Myocardial Ischemia. **2021**, 62, 658-665	1
249	Inhibition of autophagy-dependent pyroptosis attenuates cerebral ischaemia/reperfusion injury. **2021**, 25, 5060-5069	7

248	Exogenous Hydrogen Sulfide Plays an Important Role Through Regulating Autophagy in Ischemia/Reperfusion Injury. **2021**, 8, 681676	2
247	Administration of 4-Hydroxy-3,5-Di-Tertbutyl Cinnamic Acid Restores Mitochondrial Function in Rabbits with Cerebral Ischemia. **2021**,	
246	DJ-1: A promising therapeutic candidate for ischemia-reperfusion injury. **2021**, 41, 101884	3
245	Extracellular Vesicle Application as a Novel Therapeutic Strategy for Ischemic Stroke. **2021**, 1	2
244	Neuroprotective effect of roflumilast under cerebral ischaemia/reperfusion injury in juvenile rats through NLRP-mediated inflammatory response inhibition. **2021**, 48, 1103-1110	0
243	Inhibition of PI3K/mTOR/K channel blunts sodium thiosulphate preconditioning mediated cardioprotection against ischemia-reperfusion injury. **2021**, 44, 605-620	2
242	Insight into Crosstalk between Ferroptosis and Necroptosis: Novel Therapeutics in Ischemic Stroke. **2021**, 2021, 9991001	14
241	Exosomes derived from cochlear spiral ganglion progenitor cells prevent cochlea damage from ischemia-reperfusion injury via inhibiting the inflammatory process. **2021**, 386, 239-247	0
240	Intestinal ischemic reperfusion injury: Recommended rats model and comprehensive review for protective strategies. **2021**, 138, 111482	4
239	Association between Preoperative Long-Chain Polyunsaturated Fatty Acids and Oxidative Stress Immediately after Total Knee Arthroplasty: A Pilot Study. **2021**, 13,	4
238	Vascular and Cardiac Oxidative Stress and Inflammation as Targets for Cardioprotection. **2021**, 27, 2112-2130	7
237	The protective effect of α7-nACh receptor and its interaction with 5-HT1B/1D receptors in acute intestinal ischemia-reperfusion injury in rats. **2021**,	1
236	Design, synthesis, and neuroprotective effects of novel hybrid compounds containing edaravone analogue and 3-n-butylphthalide ring-opened derivatives. **2021**, 556, 99-105	2
235	LncRNAs Participate in Post-Resuscitation Myocardial Dysfunction Through the PI3K/Akt Signaling Pathway in a Rat Model of Cardiac Arrest and Cardiopulmonary Resuscitation. **2021**, 12, 689531	0
234	Resveratrol activates PI3K/AKT to reduce myocardial cell apoptosis and mitochondrial oxidative damage caused by myocardial ischemia/reperfusion injury. **2021**, 123, 151739	4
233	Devices to enhance organ perfusion during cardiopulmonary resuscitation. **2021**, 18, 771-781	
232	The Composite of 3, 4-Dihydroxyl-Phenyl Lactic Acid and Notoginsenoside R1 Attenuates Myocardial Ischemia and Reperfusion Injury Through Regulating Mitochondrial Respiratory Chain. **2021**, 12, 538962	1
231	Betulinic Acid Ameliorates Cerebral Injury in Middle Cerebral Artery Occlusion Rats through Regulating Autophagy. **2021**, 12, 2829-2837	4

230	Dysregulation of the miR-1275/HK2 Axis Contributes to the Progression of Hypoxia/Reoxygenation-Induced Myocardial Injury. **2021**, 52, 461-470	1
229	Comparison of coenzyme Q10 or fish oil for prevention of intermittent hypoxia-induced oxidative injury in neonatal rat lungs. **2021**, 22, 196	
228	Ischemic postconditioning ameliorates acute kidney injury induced by limb ischemia/reperfusion via transforming TLR4 and NF-B signaling in rats. **2021**, 16, 416	3
227	Pannexin 1 as a driver of inflammation and ischemia-reperfusion injury. **2021**, 1	2
226	Biochanin A Alleviates Cerebral Ischemia/Reperfusion Injury by Suppressing Endoplasmic Reticulum Stress-Induced Apoptosis and p38MAPK Signaling Pathway and. **2021**, 12, 646720	4
225	Si-Miao-Yong-An Decoction Maintains the Cardiac Function and Protects Cardiomyocytes from Myocardial Ischemia and Reperfusion Injury. **2021**, 2021, 8968464	1
224	HMGB1 signaling-regulated endoplasmic reticulum stress mediates intestinal ischemia/reperfusion-induced acute renal damage. **2021**, 170, 239-248	0
223	Strategies to Attenuate Myocardial Infarction and No-Reflow Through Preservation of Vascular Integrity by Pigment Epithelium-Derived Factor. **2021**,	1
222	miR-135b-3p Promotes Cardiomyocyte Ferroptosis by Targeting GPX4 and Aggravates Myocardial Ischemia/Reperfusion Injury. **2021**, 8, 663832	3
221	N-acetyl-L-tryptophan attenuates hepatic ischemia-reperfusion injury via regulating TLR4/NLRP3 signaling pathway in rats. **2021**, 9, e11909	1
220	Autophagy in vascular dementia and natural products with autophagy regulating activity. **2021**, 170, 105756	2
219	The roles of PKC-and PKC-n myocardial ischemia/reperfusion injury. **2021**, 170, 105716	9
218	The emerging possibility of the use of geniposide in the treatment of cerebral diseases: a review. **2021**, 16, 86	3
217	Overexpression of miR-1298 attenuates myocardial ischemia-reperfusion injury by targeting PP2A. **2021**, 1	2
216	CTRP1 Attenuates Cerebral Ischemia/Reperfusion Injury via the PERK Signaling Pathway. **2021**, 9, 700854	1
215	Sirtuin 1 activated by SRT1460 protects against myocardial ischemia/reperfusion injury. **2021**, 78, 271-281	1
214	ZNRF2 attenuates focal cerebral ischemia/reperfusion injury in rats by inhibiting mTORC1-mediated autophagy. **2021**, 342, 113759	1
213	Mesenchymal stem cell-derived exosomal miR-143-3p suppresses myocardial ischemia-reperfusion injury by regulating autophagy. **2021**, 280, 119742	4

212	Controlling Reperfusion Injury With Controlled Reperfusion: Historical Perspectives and New Paradigms. **2021**, 26, 504-523	4
211	Biomarkers and Utility of the Antioxidant Potential of Probiotic Lactobacilli and Bifidobacteria as Representatives of the Human Gut Microbiota. **2021**, 9,	5
210	Dexmedetomidine inhibits endoplasmic reticulum stress to suppress pyroptosis of hypoxia/reoxygenation-induced intestinal epithelial cells via activating the SIRT1 expression. **2021**, 53, 655-664	0
209	Therapeutic Potential of Mesenchymal Stromal Cell-Derived Extracellular Vesicles in the Prevention of Organ Injuries Induced by Traumatic Hemorrhagic Shock. **2021**, 12, 749659	1
208	Neural stem cell therapy for brain disease. **2021**, 13, 1278-1292	2
207	Ganoderic Acids Prevent Renal Ischemia Reperfusion Injury by Inhibiting Inflammation and Apoptosis. **2021**, 22,	3
206	Lack of gamma delta T cells ameliorates inflammatory response after acute intestinal ischemia reperfusion in mice. **2021**, 11, 18628	2
205	High Oxygen Does Not Increase Reperfusion Injury Assessed with Lipid Peroxidation Biomarkers after Cardiac Arrest: A Post Hoc Analysis of the COMACARE Trial. **2021**, 10,	1
204	Protective effect of parecoxib sodium against ischemia reperfusion-induced intestinal injury. **2021**, 24,	0
203	Effects of cannabinoid (CBD) on blood brain barrier permeability after brain injury in rats. **2021**, 1768, 147586	1
202	Induction of ischemic tolerance by remote perconditioning or postconditioning as neuroprotective strategy for spinal cord motor neurons. **2021**, 283, 119789	1
201	Resolvin D1, therapeutic target in acute respiratory distress syndrome. **2021**, 911, 174527	1
200	Therapeutic Potential of B-1a Cells in Intestinal Ischemia-reperfusion Injury. **2021**, 268, 326-336	0
199	Ki20227 aggravates apoptosis, inflammatory response, and oxidative stress after focal cerebral ischemia injury. **2022**, 17, 137-143	0
198	Hyperbaric Oxygen Preconditioning Protects Against Cerebral Ischemia/Reperfusion Injury by Inhibiting Mitochondrial Apoptosis and Energy Metabolism Disturbance. **2021**, 46, 866-877	6
197	[Molecular mechanisms for hypoxia development and adaptation to it. Part I]. **2021**, 83, 52-61	5
196	Saponins Protect Myocardial Ischemia Reperfusion No-Reflow Through Inhibiting the Activation of NLRP3 Inflammasome via TLR4/MyD88/NF-Β Signaling Pathway. **2020**, 11, 607813	6
195	Protective effects of ischemic postconditioning on skeletal muscle following crush syndrome in the rat. **2021**, 36, e360701	

194	Oxidative stress evaluation of skeletal muscle in ischemia□reperfusion injury using enhanced magnetic resonance imaging. **2020**, 10,	1
193	The multifaceted role of ischemia/reperfusion in sickle cell anemia. **2020**, 130, 1062-1072	24
192	Conventional alpha beta (β□T cells do not contribute to acute intestinal ischemia-reperfusion injury in mice. **2017**, 12, e0181326	1
191	Upregulation of Carbonyl Reductase 1 by Nrf2 as a Potential Therapeutic Intervention for Ischemia/Reperfusion Injury during Liver Transplantation. **2019**, 42, 672-685	4
190	[Study of the neuroprotective effects of carnosine in an experimental model of focal cerebral ischemia/reperfusion]. **2018**, 64, 344-348	4
189	Human Heart Cardiomyocytes in Drug Discovery and Research: New Opportunities in Translational Sciences. **2020**, 21, 787-806	3
188	MiR-485-5p Promotes Neuron Survival through Mediating Rac1/Notch2 Signaling Pathway after Cerebral Ischemia/Reperfusion. **2020**, 17, 259-266	10
187	The Contribution of Formyl Peptide Receptor Dysfunction to the Course of Neuroinflammation: A Potential Role in the Brain Pathology. **2020**, 18, 229-249	13
186	Protective effects of D-005, a lipid extract from fruits, against ischemia/reperfusion-induced acute kidney injury in rats. **2019**, 38, 462-471	2
185	MicroRNA-21 mediates the protective effects of salidroside against hypoxia/reoxygenation-induced myocardial oxidative stress and inflammatory response. **2020**, 19, 1655-1664	13
184	Troxerutin attenuates oxygen-glucose deprivation and reoxygenation-induced oxidative stress and inflammation by enhancing the PI3K/AKT/HIF-1□signaling pathway in H9C2 cardiomyocytes. **2020**, 22, 1351-1361	7
183	Associations between Huwe1 and autophagy in rat cerebral neuron oxygen-glucose deprivation and reperfusion injury. **2020**, 22, 5083-5094	4
182	extract alleviates myocardial ischemia/reperfusion injury by suppressing endoplasmic reticulum stress. **2021**, 23,	3
181	Silencing Huwe1 reduces apoptosis of cortical neurons exposed to oxygen-glucose deprivation and reperfusion. **2019**, 14, 1977-1985	7
180	Selective brain hypothermia-induced neuroprotection against focal cerebral ischemia/reperfusion injury is associated with Fis1 inhibition. **2020**, 15, 903-911	7
179	The Akt/glycogen synthase kinase-3□pathway participates in the neuroprotective effect of interleukin-4 against cerebral ischemia/reperfusion injury. **2020**, 15, 1716-1723	4
178	Pyroptosis-Induced Inflammation and Tissue Damage. **2021**, 167301	5
177	Emerging roles of circRNAs in the pathological process of myocardial infarction. **2021**, 26, 828-848	10

176	Holding Solutions, Conditions, and Additives to Optimize Hair Follicle Viability and Function. **2018**, 87-105	
175	Lipid metabolic changes in rat brain during permanent cerebral ischemia. **2019**, 46-52	
174	[illegible] **2019**, 50-57	
173	Selective brain hypothermia ameliorates focal cerebral ischemia-reperfusion injury via inhibiting Fis1 in rats.	
172	Effects of Ticagrelor on Skeletal Muscle Viability, Asymmetric Dimethylarginine, Malondialdehyde and Glutathione in Ischemia-reperfusion Model. **2019**, 15, 486-493	
171	SIGNIFICANCE OF 24-HOUR HOLTER MONITORING IN ACUTE ST-ELEVATION MI IN THE EARLY POST-INFARCTION PERIOD. **2019**, 8, 1862-1866	
170	Over, B□rek ve Beyinde □skemi / Reperf□zyon Sonras□ Redoks Dengesi ve Tribulus Terrestris L.□in Etkileri. **2019**, 46, 525-534	
169	Adenosine receptors as therapeutic targets for the treatment of myocardial infarction and its complications. Part I. Myocardial infarction. **2019**, 65, 19-25	
168	Irisin: A Promising Target for Ischemia-Reperfusion Injury Therapy. **2021**, 2021, 5391706	0
167	Dexmedetomidine Attenuates Hypoxia/Reoxygenation Injury of H9C2 Myocardial Cells by Upregulating miR-146a Expression via the MAPK Signal Pathway. **2021**, 1-14	2
166	O-GlcNAc Transferase (OGT) Protects Cerebral Neurons from Death During Ischemia/Reperfusion (I/R) Injury by Modulating Drp1 in Mice. **2021**, 1	2
165	A novel danshensu/tetramethypyrazine derivative attenuates oxidative stress-induced autophagy injury via the AMPK-mTOR-Ulk1 signaling pathway in cardiomyocytes. **2021**, 21, 118	2
164	Remote ischemic conditioning: the brain's endogenous defense against stroke. **2020**, 15, 2249-2250	
163	Highly efficient cardiac differentiation and maintenance by thrombin-coagulated fibrin hydrogels enriched with decellularized porcine heart extracellular matrix.	1
162	Sex-Related Pathophysiological Differences in Cardiac Mitochondria: Role of Estrogens. **2020**, 239-256	
161	SRC-3 Knockout Attenuates Myocardial Injury Induced by Chronic Intermittent Hypoxia in Mice. **2021**, 2021, 6372430	1
160	Changes in the blood coagulation system and non-specific plasma proteinases in ischemia-reperfusion injury. **2020**, 19, 67-75	
159	[illegible] **2020**, 60-64	

158	Early administration of cold water and adipose derived mesenchymal stem cell derived exosome effectively protects the heart from ischemia-reperfusion injury. **2019**, 11, 5375-5389	5
157	The effects of local injection of exosomes derived from BMSCs on random skin flap in rats. **2019**, 11, 7063-7073	5
156	Multiple organ dysfunction syndrome: Contemporary insights on the clinicopathological spectrum. **2020**, 2020, 22	
155	Cardioprotective Effect of Quercetin against Ischemia/Reperfusion Injury Is Mediated Through NO System and Mitochondrial K-ATP Channels. **2021**, 23, 184-190	1
154	Cardioprotective effects of co-administration of thymoquinone and ischemic postconditioning in diabetic rats. **2021**, 24, 892-899	
153	Effects of remifentanil and propofol on distant organ lung injury in an ischemia-reperfusion model. **2021**, 16, 1673-1680	0
152	Allicin protects against renal ischemia-reperfusion injury by attenuating oxidative stress and apoptosis. **2021**, 1	2
151	Urocortin Role in Ischemia Cardioprotection and the Adverse Cardiac Remodeling. **2021**, 22,	0
150	Translational Application of Fluorescent Molecular Probes for the Detection of Reactive Oxygen and Nitrogen Species Associated with Intestinal Reperfusion Injury.. **2021**, 11,	1
149	Composite Microgels for Imaging-Monitored Tracking of the Delivery of Vascular Endothelial Growth Factor to Ischemic Muscles. **2021**,	2
148	Sevoflurane preconditioning promotes mesenchymal stem cells to relieve myocardial ischemia/reperfusion injury via TRPC6-induced angiogenesis. **2021**, 12, 584	1
147	Transient Ischemic Attacks Preceding Ischemic Stroke and the Possible Preconditioning of the Human Brain: A Systematic Review and Meta-Analysis.. **2021**, 12, 755167	2
146	Britanin relieves ferroptosis-mediated myocardial ischaemia/reperfusion damage by upregulating GPX4 through activation of AMPK/GSK3β/Nrf2 signalling. **2022**, 60, 38-45	6
145	Platonin Protects Against Cerebral Ischemia/Reperfusion Injury in Rats by Inhibiting NLRP3 Inflammasomes via BNIP3/LC3 Signaling Mediated Autophagy.. **2021**, 180, 12-12	0
144	Multiple organ dysfunction syndrome: Contemporary insights on the clinicopathological spectrum. **2020**, 2020, 22	3
143	Postoperative Complications in Patients With Hereditary Hemochromatosis Undergoing Total Joint Arthroplasty: A Matched Cohort Analysis.. **2022**, 30, e99-e107	
142	Oxidative Stress in Intestinal Ischemia-Reperfusion.. **2021**, 8, 750731	1
141	MiR-10b-3p alleviates cerebral ischemia/reperfusion injury by targeting Krüppel-like factor 5 (KLF5).. **2022**, 474, 343	2

140	Diosmetin alleviated cerebral ischemia/reperfusion injury and by inhibiting oxidative stress the SIRT1/Nrf2 signaling pathway. **2021**,	4
139	A Potent Inhibitor of Aminopeptidase P2 Reduces Reperfusion Injury in Models of Myocardial Infarction and Stroke.. **2022**,	
138	Effects and Mechanisms of Taohong Siwu Decoction on the Prevention and Treatment of Myocardial Injury.. **2022**, 13, 816347	0
137	Fucoxanthin Attenuates Oxidative Damage by Activating the Sirt1/Nrf2/HO-1 Signaling Pathway to Protect the Kidney from Ischemia-Reperfusion Injury.. **2022**, 2022, 7444430	9
136	Minocycline as heart conditioning agent in experimental type 2 diabetes mellitus - an antibacterial drug in heart protection.. **2022**, 395, 429	0
135	Cerebral microvascular endothelial glycocalyx damage, its implications on the blood-brain barrier and a possible contributor to cognitive impairment.. **2022**, 1780, 147804	3
134	VX-765 prevents intestinal ischemia-reperfusion injury by inhibiting NLRP3 inflammasome.. **2021**, 75, 101718	1
133	Cardiac fibroblasts secrete exosome microRNA to suppress cardiomyocyte pyroptosis in myocardial ischemia/reperfusion injury.. **2022**, 477, 1249	3
132	Correction of Postischemic Changes in the Microcirculation of Rat Cerebral Cortex with Mesenchymal Stem Cells. **2022**, 16, 32-37	
131	A computational model of cardiomyocyte metabolism predicts unique reperfusion protocols capable of reducing cell damage during ischemia/reperfusion.. **2022**, 101693	0
130	Analysis of mRNA and protein kidney injury Molecule-1 (KIM-1) expression in a kidney model during the initiation phase of ischemia reperfusion injury.. **2022**, 75, 103373	1
129	Verapamil Alleviates Myocardial Ischemia/Reperfusion Injury by Attenuating Oxidative Stress via Activation of SIRT1.. **2022**, 13, 822640	0
128	Promising Therapeutic Candidate for Myocardial Ischemia/Reperfusion Injury: What Are the Possible Mechanisms and Roles of Phytochemicals?. **2021**, 8, 792592	4
127	Astragaloside IV Alleviates Infarction Induced Cardiomyocyte Injury by Improving Mitochondrial Morphology and Function.. **2022**, 9, 810541	0
126	Impaired microcirculatory function, mitochondrial respiration, and oxygen utilization in skeletal muscle of claudicating patients with peripheral artery disease.. **2022**,	1
125	Estrogen inhibits endoplasmic reticulum stress and ameliorates myocardial ischemia/reperfusion injury in rats by upregulating SERCA2a.. **2022**, 20, 38	0
124	Non-Coding RNAs: Prevention, Diagnosis, and Treatment in Myocardial Ischemia-Reperfusion Injury.. **2022**, 23,	4
123	Mitochondrial DNA Release Contributes to Intestinal Ischemia/Reperfusion Injury.. **2022**, 13, 854994	1

122	Dualistic role of platelets in living donor liver transplantation: Are they harmful?. **2022**, 28, 897-908	0
121	Human breast milk-derived exosomes protect against intestinal ischemia and reperfusion injury in neonatal rats.. **2022**,	0
120	Protective Effect of Sufentanil on Myocardial Ischemia-Reperfusion Injury in Rats by Inhibiting Endoplasmic Reticulum Stress.. **2022**, 2022, 6267720	0
119	The Effect of Antioxidant Added to Preservation Solution on the Protection of Kidneys before Transplantation.. **2022**, 23,	1
118	Preclinical Evidence of Paeoniflorin Effectiveness for the Management of Cerebral Ischemia/Reperfusion Injury: A Systematic Review and Meta-Analysis.. **2022**, 13, 827770	0
117	Intestinal epithelial cell-derived exosomes package microRNA-23a-3p alleviate gut damage after ischemia/reperfusion via targeting MAP4K4.. **2022**, 149, 112810	0
116	Comparison of melatonin, oxytetracycline, and N-acetylcysteine pre-treatments in autologous intraperitoneal ovarian transplantation in rats.. **2022**, 606, 49-54	
115	Protective effects of natural products against myocardial ischemia/reperfusion: Mitochondria-targeted therapeutics.. **2022**, 149, 112893	2
114	Guhong injection promotes post-stroke functional recovery via attenuating cortical inflammation and apoptosis in subacute stage of ischemic stroke.. **2022**, 99, 154034	0
113	Implication of IGF1R signaling in the protective effect of Astragaloside IV on ischemia and reperfusion-induced cardiac microvascular endothelial hyperpermeability.. **2022**, 100, 154045	0
112	Effect of cinnamon on antioxidant content and ZO-1 gene expression in brain following middle cerebral artery occlusion in rats receiving high-fat diet. **2021**, 0-0	
111	Yi-Zhi-Fang-Dai Formula Exerts Neuroprotective Effects Against Pyroptosis and Blood-Brain Barrier-Glymphatic Dysfunctions to Prevent Amyloid-Beta Acute Accumulation After Cerebral Ischemia and Reperfusion in Rats.. **2021**, 12, 791059	0
110	Chinese Herbal Medicine Alleviates Myocardial Ischemia/Reperfusion Injury by Regulating Endoplasmic Reticulum Stress.. **2021**, 2021, 4963346	1
109	Combined Quantitative (Phospho)proteomics and Mass Spectrometry Imaging Reveal Temporal and Spatial Protein Changes in Human Intestinal Ischemia-Reperfusion. **2021**,	3
108	CPNE3 interaction with RACK1 protects against myocardial ischemia/reperfusion injury.. **2022**, 23, 128	0
107	Function of BCLAF1 in human disease.. **2022**, 23, 58	2
106	Neuroinflammation in Cerebral Ischemia and Ischemia/Reperfusion Injuries: From Pathophysiology to Therapeutic Strategies.. **2021**, 23,	11
105	BRCC36 promotes intestinal mucosal barrier injury caused by BMP2 after ischemia-reperfusion via inhibiting PPAR signaling. **2021**,	

104	MicroRNA-126 protects SH-SY5Y cells from ischemia/reperfusion injury-induced apoptosis by inhibiting RAB3IP.. **2022**, 25,	2
103	Therapeutic Targets for Regulating Oxidative Damage Induced by Ischemia-Reperfusion Injury: A Study from a Pharmacological Perspective.. **2022**, 2022, 8624318	3
102	CircRNA CTNNB1 (circCTNNB1) ameliorates cerebral ischemia/reperfusion injury by sponging miR-96-5p to up-regulate scavenger receptor class B type 1 (SRB1) expression.. **2022**, 13, 10258-10273	0
101	Notoginsenoside R1 ameliorates mitochondrial dysfunction to circumvent neuronal energy failure in acute phase of focal cerebral ischemia.. **2022**,	0
100	Integrated Analysis of Ferroptosis and Immunity-Related Genes Associated with Intestinal Ischemia/Reperfusion Injury.. **2022**, 15, 2397-2411	
99	Image_1.TIF. **2018**,	
98	Image_2.TIF. **2018**,	
97	The Effect of Perioperative N-acetylcysteine on the Short and Long Term Outcomes in Pediatrics Undergoing Living-Donor Liver Transplantation.. **2021**, 12, 12-20	
96	RXR attenuates cerebral ischemia-reperfusion induced ferroptosis in neurons in mice through transcriptionally promoting the expression of GPX4.. **2022**, 37, 1351-1363	0
95	Hydroxysafflower yellow A alleviates HK-2 cells injury in cold hypoxia/reoxygenation via mitochondrial apoptosis.. **2022**, 101610	
94	Mitochondria-Targeted, Nanoparticle-Based Drug-Delivery Systems: Therapeutics for Mitochondrial Disorders. **2022**, 12, 657	0
93	Exosomes Derived From Mesenchymal Stem Cells: Novel Effects in the Treatment of Ischemic Stroke.. **2022**, 16, 899887	2
92	Endoplasmic Reticulum Stress and the Unfolded Protein Response in Cerebral Ischemia/Reperfusion Injury. **2022**, 16,	2
91	A reversible mitochondrial complex I thiol switch mediates hypoxic avoidance behavior in C. elegans.. **2022**, 13, 2403	1
90	Recent advances in potential of Fisetin in the management of myocardial ischemia-reperfusion injury-A systematic review.. **2022**, 101, 154123	0
89	Investigating the role of DNMT1 gene expression on myocardial ischemia reperfusion injury in rat and associated changes in mitochondria.. **2022**, 1863, 148566	0
88	Rhubarb peony decoction downregulates the expression of c-Fos after intestinal epithelial cells hypoxia-reoxygenation injury.. **2022**,	
87	Coenzyme Q10 regulates Gene expression of Myocardial Infarction in Isoproterenol Model. **2022**, 13, 1-6	

86	Low-dose dexamethasone in combination with luteolin improves myocardial infarction recovery by activating the antioxidative response. **2022**, 151, 113121	1
85	Knockout of circRNA single stranded interacting protein 1 (circRBMS1) played a protective role in myocardial ischemia-reperfusion injury though inhibition of miR-2355-3p/Mammalian Sterile20-like kinase 1 (MST1) axis. **2022**, 13, 12726-12737	0
84	Mitochondria and their potential role in acute lung injury (Review). **2022**, 24,	0
83	İSKEMİ REPERFÜZYON HASARINDA STRES VE HİÇRE ÖLÜMÜ	
82	Probiotics in sports and physical exercise. **2022**, 345-372	
81	Ubiquitin-specific protease 7 regulates myocardial ischemia/reperfusion injury by stabilizing Keap1. **2022**, 8,	0
80	The Promising Effect of Topiramate on Random-Pattern Skin Flap Survival in Rats.	0
79	L-Cysteine Alleviates Myenteric Neuron Injury Induced by Intestinal Ischemia/Reperfusion via Inhibitin the Macrophage NLRP3-IL-1β Pathway. 13,	
78	Irisin Protects Cerebral Neurons from Hypoxia/Reoxygenation via Suppression of Apoptosis and Expression of Pro-Inflammatory Cytokines. 1-8	2
77	Small molecules as modulators of regulated cell death against ischemia/reperfusion injury.	0
76	Changes in the Contribution of IKCa Channels to Tone Maintenance and Dilation of Pial Arteries in Aging Rats after Ischemia-Reperfusion. **2022**, 58, 815-824	
75	Sinomenine Confers Protection Against Myocardial Ischemia Reperfusion Injury by Preventing Oxidative Stress, Cellular Apoptosis, and Inflammation. 13,	
74	CDGSH iron sulfur domain 2 mitigates apoptosis, oxidative stress and inflammatory response caused by oxygen–glucose deprivation/reoxygenation in HT22 hippocampal neurons by Akt-Nrf2-activated pathway.	0
73	Na+/H+ Exchanger 1, a Potential Therapeutic Drug Target for Cardiac Hypertrophy and Heart Failure. **2022**, 15, 875	0
72	Orexin-A Reverse Bone Mass Loss Induced by Chronic Intermittent Hypoxia Through OX1R-Nrf2/HIF-1α Pathway. Volume 16, 2145-2160	1
71	TFNR2 in Ischemia-Reperfusion Injury, Rejection, and Tolerance in Transplantation. 13,	
70	The multi-faced role of FUNDC1 in mitochondrial events and human diseases. 10,	0
69	Nanoplatform-Based Reactive Oxygen Species Scavengers for Therapy of Ischemia-Reperfusion Injury. 2200066	3

68	Cathepsin B/HSP70 complex induced by Ilexsaponin I suppresses NLRP3 inflammasome activation in myocardial ischemia/reperfusion injury. **2022**, 154358	0
67	The importance of natural chalcones in ischemic organ damage: Comprehensive and bioinformatic analysis review.	
66	Utility of Exosomes in Ischemic and Hemorrhagic Stroke Diagnosis and Treatment. **2022**, 23, 8367	1
65	Sulfaphenazole reduces thermal and˙pressure injury severity through rapid restoration of tissue perfusion. **2022**, 12,	
64	Ischemic preconditioning/ischemic postconditioning alleviates anoxia/reoxygenation injury via the Notch1/Hes1/VDAC1 axis.	
63	Parecoxib sodium alleviates ischemia reperfusion-induced pulmonary injury via inhibiting ERK/NF-B and further activating the HIF-1 pathway. **2022**, 10,	
62	Bridging a Century-Old Problem: The Pathophysiology and Molecular Mechanisms of HA Filler-Induced Vascular Occlusion (FIVO)Implications for Therapeutic Interventions. **2022**, 27, 5398	2
61	From cerebral ischemia towards myocardial, renal, and hepatic ischemia: exosomal miRNAs as a general concept of intercellular communication in ischemia-reperfusion injury. **2022**,	0
60	Ellagic Acid Alleviates Mice intestinal ischemia-reperfusion injury: A Study Based on Transcriptomics Combined with Functional Experiments.	
59	Exosome in Crosstalk between Inflammation and Angiogenesis: A Potential Therapeutic Strategy for Stroke. **2022**, 2022, 1-13	0
58	Exosomal circular RNAs: Biogenesis, effect, and application in cardiovascular diseases. 10,	2
57	The Effect of Genistein on Anastomotic Healing in Intestinal Ischemia/Reperfusion Injury. **2022**, 280, 389-395	1
56	IntraCoronary Artery Retrograde Thrombolysis vs. Thrombus Aspiration in ST-Segment Elevation Myocardial Infarction: Study Protocol for a Randomized Controlled Trial. 9,	0
55	Inhibition of miR-423-5p Exerts Neuroprotective Effects in an Experimental Rat Model of Cerebral Ischemia/Reperfusion Injury. **2022**, 503, 95-106	0
54	Succinate salts in solving the «oxygen paradox» of reperfusion. **2022**, 122, 63	0
53	The effects of methanol extract of Galium verum L on cardiac redox state in hypertensive rats. 58,	0
52	Pathophysiology of Ischemic Stroke: Noncoding RNA Role in Oxidative Stress. **2022**, 2022, 1-12	1
51	Targeting DNA methylation can reduce cardiac injury associated with ischemia reperfusion: One step closer to clinical translation with blood-borne assessment. 9,	0

50	Alamandine alleviated heart failure and fibrosis in myocardial infarction mice. **2022**, 17,	0
49	Effect of Glucose Levels on Cardiovascular Risk. **2022**, 11, 3034	0
48	Prediction model of acute kidney injury after different types of acute aortic dissection based on machine learning. 9,	0
47	DJ-1 Protein Inhibits Apoptosis in Cerebral Ischemia by Regulating the Notch1 and Nuclear Factor Erythroid2-Related Factor 2 Signaling Pathways. **2022**,	0
46	Improving the ischemia-reperfusion injury in vascularized composite allotransplantation: Clinical experience and experimental implications. 13,	0
45	Pathological Roles of Oxidative Stress in Cardiac Microvascular Injury. **2022**, 101399	0
44	Fyn Signaling in Ischemia-Reperfusion Injury: Potential and Therapeutic Implications. **2022**, 2022, 1-10	0
43	Irisin Preserves Cardiac Performance and Insulin Sensitivity in Response to Hemorrhage. **2022**, 15, 1193	0
42	The Effect of Different Doses of Amantadine on Lung Tissue In Hepatic Ischemia Reperfusion Injury in Rats.	0
41	Transplanted hair follicle mesenchymal stem cells alleviated small intestinal ischemia–reperfusion injury via intrinsic and paracrine mechanisms in a rat model. 10,	0
40	Calcium-Sensing Receptor (CaSR)-Mediated Intracellular Communication in Cardiovascular Diseases. **2022**, 11, 3075	1
39	Cellular senescence in ischemia/reperfusion injury. **2022**, 8,	0
38	Exosomes Derived from Bone Marrow Mesenchymal Stem Cells Alleviate Ischemia-Reperfusion Injury and Promote Survival of Skin Flaps in Rats. **2022**, 12, 1567	1
37	Research Progress on the effect of calcium overload on myocardial ischemia-reperfusion injury. **2022**, 1, 74-78	0
36	Hace1 overexpression mitigates myocardial hypoxia/reoxygenation injury via the effects on Keap1/Nrf2 pathway.	0
35	Peripheral Arterial Compression as a New Adjunct Technique to Cardiopulmonary Resuscitation. **2022**, 10, 2194	0
34	Combined administration of membrane-permeable and impermeable iron-chelating drugs attenuates ischemia/reperfusion-induced hepatic injury. **2022**, 193, 227-237	0
33	The mechanism and biomarker function of Cavin-2 in lung ischemia-reperfusion injury. **2022**, 151, 106234	0

32	Impairments of retinal hemodynamics and oxygen metrics in ocular hypertension-induced ischemia-reperfusion. **2022**, 225, 109278	0
31	TRAIL inhibition by soluble death receptor 5 protects against acute myocardial infarction in rats.	1
30	The Neuroprotective Effects of Administration of Methylprednisolone in Cardiopulmonary Resuscitation in Experimental Cardiac Arrest Model.	0
29	Normothermic Ex Vivo Heart Perfusion with Mesenchymal Stem Cell-Derived Conditioned Medium Improves Myocardial Tissue Protection in Rat Donation after Circulatory Death Hearts. **2022**, 2022, 1-12	0
28	Cardioprotective action of aprepitant in a rat model of ischemia-reperfusioninduced myocardial injury: role of PI3K-AkT-GSK-3HIF-1signaling pathway. **2022**, 37,	0
27	Research progress on the antitumor effects of astragaloside IV. **2023**, 938, 175449	0
26	Protective role of MG53 against ischemia/reperfusion injury on multiple organs: A narrative review. 13,	0
25	The signaling pathways and therapeutic potential of itaconate to alleviate inflammation and oxidative stress in inflammatory diseases. **2022**, 58, 102553	0
24	Electrophysiological Changes of Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes during Acute Hypoxia and Reoxygenation. **2022**, 2022, 1-15	0
23	Extracellular CIRP dysregulates macrophage bacterial phagocytosis in sepsis.	0
22	Glutamatergic neurons in lateral hypothalamus play a vital role in acupuncture preconditioning to alleviate MIRI.	0
21	Mitochondrial Transplant after Ischemia Reperfusion Promotes Cellular Salvage and Improves Lung Function during Ex-Vivo Lung Perfusion. **2023**,	0
20	Bioinformatic Analysis of lncRNA Mediated CeRNA Network in Intestinal Ischemia/Reperfusion Injury. **2023**, 284, 280-289	0
19	Recombinant Adenovirus siRNA Knocking Down the Ndufs4 Gene Alleviates Myocardial Apoptosis Induced by Oxidative Stress Injury. **2023**, 2023, 1-8	0
18	CTRP1: A novel player in cardiovascular and metabolic diseases. **2023**, 164, 156162	0
17	Inhibition of mitochondrial VDAC1 oligomerization alleviates apoptosis and necroptosis of retinal neurons following OGD/R injury. **2023**, 247, 152049	0
16	Predictive value of soluble CD59 for poor 28-day neurological prognosis and all-cause mortality in patients after cardiopulmonary resuscitation: a prospective observatory study. **2023**, 11,	0
15	Highly Efficient Cardiac Differentiation and Maintenance by Thrombin-Coagulated Fibrin Hydrogels Enriched with Decellularized Porcine Heart Extracellular Matrix. **2023**, 24, 2842	1

14	Echinocystic acid alleviated hypoxic-ischemic brain damage in neonatal mice by activating the PI3K/Akt/Nrf2 signaling pathway. 14,	0
13	Pre-Treatment of Transplant Donors with Hydrogen Sulfide to Protect against Warm and Cold Ischemia-Reperfusion Injury in Kidney and Other Transplantable Solid Organs. **2023**, 24, 3518	0
12	Tumor Necrosis Factor Family Members and Myocardial Ischemia-Reperfusion Injury: State of the Art and Therapeutic Implications. **2023**, 24, 4606	0
11	Inhibition of ALKBH5 attenuates I/R-induced renal injury in male mice by promoting Ccl28 m6A modification and increasing Treg recruitment. **2023**, 14,	0
10	Tourniquet-induced ischemia creates increased risk of organ dysfunction and mortality following delayed limb amputation. **2023**,	0
9	Comparison of 2D-QCA, 3D-QCA and coronary angiography derived FFR in predicting myocardial ischemia assessed by CZT-SPECT MPI.	0
8	Effects of grape seed-derived proanthocyanidin B2 pretreatment on oxidative stress, endoplasmic reticulum stress and apoptosis of renal tubular epithelial cells in renal ischemia□reperfusion injury model of mice.	0
7	The forkhead box O3 (FOXO3): a key player in the regulation of ischemia and reperfusion injury. **2023**, 80,	0
6	MAPK Signaling Pathways in Hepatic Ischemia/Reperfusion Injury. Volume 16, 1405-1418	0
5	Neuroprotection of NAD+ and NBP against ischemia/reperfusion brain injury is associated with restoration of sirtuin-regulated metabolic homeostasis. 14,	0
4	ROLE OF SODIUM CHANNELS IN THE DEVELOPMENT OF OXIDATIVE STRESS IN ISCHEMIA/REPERFUSION MODEL. **2023**, 145-154	0
3	Spectral imaging enables contrast agent□free real-time ischemia monitoring in laparoscopic surgery. **2023**, 9,	0
2	The key mediators involved in myocardial endoplasmic reticulum stress induced by ischaemia reperfusion injury in rats. **2023**, 21, 1721727X2311731	0
1	Newly Developed Di-Block Copolymer-Based Cell Membrane Stabilizers Protect Mouse Coronary Artery Endothelial Cells against Hypoxia/Reoxygenation Injury. **2023**, 12, 1394	0