

Sam Toan

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

2,863
citations

186265

28
h-index

330143

37
g-index

37
all docs

37
docs citations

37
times ranked

1913
citing authors

#	ARTICLE	IF	CITATIONS
1	Ripk3 promotes ER stress-induced necroptosis in cardiac IR injury: A mechanism involving calcium overload/XO/ROS/mPTP pathway. <i>Redox Biology</i> , 2018, 16, 157-168.	9.0	286
2	New insights into the role of mitochondria in cardiac microvascular ischemia/reperfusion injury. <i>Angiogenesis</i> , 2020, 23, 299-314.	7.2	210
3	Inhibitory effect of melatonin on necroptosis via repressing the Ripk3â€PGAM5â€CypDâ€mPTP pathway attenuates cardiac microvascular ischemiaâ€reperfusion injury. <i>Journal of Pineal Research</i> , 2018, 65, e12503.	7.4	186
4	Role of mitochondrial quality surveillance in myocardial infarction: From bench to bedside. <i>Ageing Research Reviews</i> , 2021, 66, 101250.	10.9	147
5	Mitochondrial quality control in cardiac microvascular ischemia-reperfusion injury: New insights into the mechanisms and therapeutic potentials. <i>Pharmacological Research</i> , 2020, 156, 104771.	7.1	131
6	DNA-PKcs promotes alcohol-related liver disease by activating Drp1-related mitochondrial fission and repressing FUNDC1-required mitophagy. <i>Signal Transduction and Targeted Therapy</i> , 2019, 4, 56.	17.1	125
7	Mitophagy coordinates the mitochondrial unfolded protein response to attenuate inflammation-mediated myocardial injury. <i>Redox Biology</i> , 2021, 45, 102049.	9.0	122
8	DNA-PKcs promotes cardiac ischemia reperfusion injury through mitigating BI-1-governed mitochondrial homeostasis. <i>Basic Research in Cardiology</i> , 2020, 115, 11.	5.9	106
9	SERCA Overexpression Improves Mitochondrial Quality Control and Attenuates Cardiac Microvascular Ischemia-Reperfusion Injury. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 22, 696-707.	5.1	105
10	Phosphoglycerate mutase 5 exacerbates cardiac ischemia-reperfusion injury through disrupting mitochondrial quality control. <i>Redox Biology</i> , 2021, 38, 101777.	9.0	98
11	Mitochondrial quality surveillance as a therapeutic target in myocardial infarction. <i>Acta Physiologica</i> , 2021, 231, e13590.	3.8	89
12	Pathological Roles of Mitochondrial Oxidative Stress and Mitochondrial Dynamics in Cardiac Microvascular Ischemia/Reperfusion Injury. <i>Biomolecules</i> , 2020, 10, 85.	4.0	76
13	BI1 alleviates cardiac microvascular ischemiaâ€reperfusion injury via modifying mitochondrial fission and inhibiting XO/ROS/Fâ€actin pathways. <i>Journal of Cellular Physiology</i> , 2019, 234, 5056-5069.	4.1	72
14	Empagliflozin attenuates cardiac microvascular ischemia/reperfusion through activating the AMPKÎ±1/ULK1/FUNDC1/mitophagy pathway. <i>Redox Biology</i> , 2022, 52, 102288.	9.0	68
15	Pum2-Mff axis fine-tunes mitochondrial quality control in acute ischemic kidney injury. <i>Cell Biology and Toxicology</i> , 2020, 36, 365-378.	5.3	67
16	Melatonin fine-tunes intracellular calcium signals and eliminates myocardial damage through the IP3R/MCU pathways in cardiorenal syndrome type 3. <i>Biochemical Pharmacology</i> , 2020, 174, 113832.	4.4	59
17	Thermogravimetric and kinetics investigation of pine wood pyrolysis catalyzed with alkali-treated CaO/ZSM-5. <i>Energy Conversion and Management</i> , 2017, 146, 182-194.	9.2	57
18	Role of mitochondrial quality control in the pathogenesis of nonalcoholic fatty liver disease. <i>Aging</i> , 2020, 12, 6467-6485.	3.1	57

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19	DNA-PKcs interacts with and phosphorylates Fis1 to induce mitochondrial fragmentation in tubular cells during acute kidney injury. <i>Science Signaling</i> , 2022, 15, eabh1121.	3.6	55
20	Post-combustion CO ₂ capture via a variety of temperature ranges and material adsorption process: A review. <i>Journal of Environmental Management</i> , 2022, 313, 115026.	7.8	47
21	Molecular mechanisms of coronary microvascular endothelial dysfunction in diabetes mellitus: focus on mitochondrial quality surveillance. <i>Angiogenesis</i> , 2022, 25, 307-329.	7.2	44
22	Synergistic enhancement of chemical looping-based CO ₂ splitting with biomass cascade utilization using cyclic stabilized Ca ₂ Fe ₂ O ₅ aerogel. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1216-1226.	10.3	43
23	Microchannel structure design for hydrogen supply from methanol steam reforming. <i>Chemical Engineering Journal</i> , 2022, 429, 132286.	12.7	43
24	Thermocatalytic formic acid dehydrogenation: recent advances and emerging trends. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24241-24260.	10.3	39
25	SERCA overexpression reduces reperfusion-mediated cardiac microvascular damage through inhibition of the calcium/MCU/mPTP/necroptosis signaling pathways. <i>Redox Biology</i> , 2020, 36, 101659.	9.0	38
26	Chemical looping deoxygenated gasification: An implication for efficient biomass utilization with high-quality syngas modulation and CO ₂ reduction. <i>Energy Conversion and Management</i> , 2020, 215, 112913.	9.2	36
27	Biomass pyrolysis-gasification over Zr promoted CaO-HZSM-5 catalysts for hydrogen and bio-oil co-production with CO ₂ capture. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16031-16044.	7.1	33
28	Ammonia production from biomass via a chemical looping-based hybrid system. <i>Journal of Cleaner Production</i> , 2021, 289, 125749.	9.3	32
29	DNA-PKcs promotes sepsis-induced multiple organ failure by triggering mitochondrial dysfunction. <i>Journal of Advanced Research</i> , 2022, 41, 39-48.	9.5	25
30	TiO(OH) ₂ – highly effective catalysts for optimizing CO ₂ desorption kinetics reducing CO ₂ capture cost: A new pathway. <i>Scientific Reports</i> , 2017, 7, 2943.	3.3	21
31	Sorption-enhanced chemical looping oxidative steam reforming of methanol for on-board hydrogen supply. <i>Green Energy and Environment</i> , 2022, 7, 145-155.	8.7	18
32	Deoxygenation-enhanced chemical looping gasification: a new pathway to produce hydrogen from biomass. <i>Green Chemistry</i> , 2022, 24, 2613-2623.	9.0	17
33	Green, safe, fast, and inexpensive removal of CO ₂ from aqueous KHCO ₃ solutions using a nanostructured catalyst TiO(OH) ₂ : A milestone toward truly low-cost CO ₂ capture that can ease implementation of the Paris Agreement. <i>Nano Energy</i> , 2018, 53, 508-512.	16.0	15
34	Thermodynamics of NaHCO ₃ decomposition during Na ₂ CO ₃ -based CO ₂ capture. <i>Journal of Environmental Sciences</i> , 2019, 78, 74-80.	6.1	15
35	Fabricating Ga doped and MgO embedded nanomaterials for sorption-enhanced steam reforming of methanol. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7300-7313.	10.3	14