

# Sam Toan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10992994/publications.pdf>

Version: 2024-02-01

35  
papers

2,863  
citations

185998

28  
h-index

329751

37  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1913  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sorption-enhanced chemical looping oxidative steam reforming of methanol for on-board hydrogen supply. <i>Green Energy and Environment</i> , 2022, 7, 145-155.	4.7	18
2	Microchannel structure design for hydrogen supply from methanol steam reforming. <i>Chemical Engineering Journal</i> , 2022, 429, 132286.	6.6	43
3	DNA-PKcs promotes sepsis-induced multiple organ failure by triggering mitochondrial dysfunction. <i>Journal of Advanced Research</i> , 2022, 41, 39-48.	4.4	25
4	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.	5.2	14
5	Deoxygenation-enhanced chemical looping gasification: a new pathway to produce hydrogen from biomass. <i>Green Chemistry</i> , 2022, 24, 2613-2623.	4.6	17
6	Molecular mechanisms of coronary microvascular endothelial dysfunction in diabetes mellitus: focus on mitochondrial quality surveillance. <i>Angiogenesis</i> , 2022, 25, 307-329.	3.7	44
7	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.	1.6	55
8	Empagliflozin attenuates cardiac microvascular ischemia/reperfusion through activating the AMPK $\pm$ 1/ULK1/FUNDC1/mitophagy pathway. <i>Redox Biology</i> , 2022, 52, 102288.	3.9	68
9	Post-combustion CO <sub>2</sub> capture via a variety of temperature ranges and material adsorption process: A review. <i>Journal of Environmental Management</i> , 2022, 313, 115026.	3.8	47
10	Mitochondrial quality surveillance as a therapeutic target in myocardial infarction. <i>Acta Physiologica</i> , 2021, 231, e13590.	1.8	89
11	Phosphoglycerate mutase 5 exacerbates cardiac ischemia-reperfusion injury through disrupting mitochondrial quality control. <i>Redox Biology</i> , 2021, 38, 101777.	3.9	98
12	Ammonia production from biomass via a chemical looping-based hybrid system. <i>Journal of Cleaner Production</i> , 2021, 289, 125749.	4.6	32
13	Role of mitochondrial quality surveillance in myocardial infarction: From bench to bedside. <i>Ageing Research Reviews</i> , 2021, 66, 101250.	5.0	147
14	Mitophagy coordinates the mitochondrial unfolded protein response to attenuate inflammation-mediated myocardial injury. <i>Redox Biology</i> , 2021, 45, 102049.	3.9	122
15	Thermocatalytic formic acid dehydrogenation: recent advances and emerging trends. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24241-24260.	5.2	39
16	DNA-PKcs promotes cardiac ischemia reperfusion injury through mitigating BI-1-governed mitochondrial homeostasis. <i>Basic Research in Cardiology</i> , 2020, 115, 11.	2.5	106
17	SERCA Overexpression Improves Mitochondrial Quality Control and Attenuates Cardiac Microvascular Ischemia-Reperfusion Injury. <i>Molecular Therapy - Nucleic Acids</i> , 2020, 22, 696-707.	2.3	105
18	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.	3.9	38

#	ARTICLE	IF	CITATIONS
19	Chemical looping deoxygenated gasification: An implication for efficient biomass utilization with high-quality syngas modulation and CO <sub>2</sub> reduction. <i>Energy Conversion and Management</i> , 2020, 215, 112913.	4.4	36
20	Melatonin fine-tunes intracellular calcium signals and eliminates myocardial damage through the IP <sub>3</sub> R/MCU pathways in cardiorenal syndrome type 3. <i>Biochemical Pharmacology</i> , 2020, 174, 113832.	2.0	59
21	Pum2-Mff axis fine-tunes mitochondrial quality control in acute ischemic kidney injury. <i>Cell Biology and Toxicology</i> , 2020, 36, 365-378.	2.4	67
22	Pathological Roles of Mitochondrial Oxidative Stress and Mitochondrial Dynamics in Cardiac Microvascular Ischemia/Reperfusion Injury. <i>Biomolecules</i> , 2020, 10, 85.	1.8	76
23	New insights into the role of mitochondria in cardiac microvascular ischemia/reperfusion injury. <i>Angiogenesis</i> , 2020, 23, 299-314.	3.7	210
24	Mitochondrial quality control in cardiac microvascular ischemia-reperfusion injury: New insights into the mechanisms and therapeutic potentials. <i>Pharmacological Research</i> , 2020, 156, 104771.	3.1	131
25	Role of mitochondrial quality control in the pathogenesis of nonalcoholic fatty liver disease. <i>Aging</i> , 2020, 12, 6467-6485.	1.4	57
26	Thermodynamics of NaHCO <sub>3</sub> decomposition during Na <sub>2</sub> CO <sub>3</sub> -based CO <sub>2</sub> capture. <i>Journal of Environmental Sciences</i> , 2019, 78, 74-80.	3.2	15
27	Synergistic enhancement of chemical looping-based CO <sub>2</sub> splitting with biomass cascade utilization using cyclic stabilized Ca <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub> aerogel. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1216-1226.	5.2	43
28	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.	7.1	125
29	B11 alleviates cardiac microvascular ischemia-reperfusion injury via modifying mitochondrial fission and inhibiting XO/ROS/F-actin pathways. <i>Journal of Cellular Physiology</i> , 2019, 234, 5056-5069.	2.0	72
30	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.	3.9	286
31	Green, safe, fast, and inexpensive removal of CO <sub>2</sub> from aqueous KHCO <sub>3</sub> solutions using a nanostructured catalyst TiO(OH) <sub>2</sub> : A milestone toward truly low-cost CO <sub>2</sub> capture that can ease implementation of the Paris Agreement. <i>Nano Energy</i> , 2018, 53, 508-512.	8.2	15
32	Inhibitory effect of melatonin on necroptosis via repressing the Ripk3-PCAM5-CypD-mPTP pathway attenuates cardiac microvascular ischemia-reperfusion injury. <i>Journal of Pineal Research</i> , 2018, 65, e12503.	3.4	186
33	TiO(OH) <sub>2</sub> highly effective catalysts for optimizing CO <sub>2</sub> desorption kinetics reducing CO <sub>2</sub> capture cost: A new pathway. <i>Scientific Reports</i> , 2017, 7, 2943.	1.6	21
34	Biomass pyrolysis-gasification over Zr promoted CaO-HZSM-5 catalysts for hydrogen and bio-oil co-production with CO <sub>2</sub> capture. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16031-16044.	3.8	33
35	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.	4.4	57