

# Katie Frenis

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,239  
citations

516710  
16  
h-index

610901  
24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1604  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vascular Inflammation and Oxidative Stress: Major Triggers for Cardiovascular Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-26.	4.0	388
2	Crucial role for Nox2 and sleep deprivation in aircraft noise-induced vascular and cerebral oxidative stress, inflammation, and gene regulation. <i>European Heart Journal</i> , 2018, 39, 3528-3539.	2.2	147
3	Short-term e-cigarette vapour exposure causes vascular oxidative stress and dysfunction: evidence for a close connection to brain damage and a key role of the phagocytic NADPH oxidase (NOX-2). <i>European Heart Journal</i> , 2020, 41, 2472-2483.	2.2	139
4	Endothelial GLP-1 (Glucagon-Like Peptide-1) Receptor Mediates Cardiovascular Protection by Liraglutide In Mice With Experimental Arterial Hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 145-158.	2.4	116
5	Environmental noise induces the release of stress hormones and inflammatory signaling molecules leading to oxidative stress and vascular dysfunctionâ€”Signatures of the internal exposome. <i>BioFactors</i> , 2019, 45, 495-506.	5.4	82
6	The AMP-Activated Protein Kinase Plays a Role in Antioxidant Defense and Regulation of Vascular Inflammation. <i>Antioxidants</i> , 2020, 9, 525.	5.1	38
7	Exacerbation of adverse cardiovascular effects of aircraft noise in an animal model of arterial hypertension. <i>Redox Biology</i> , 2020, 34, 101515.	9.0	36
8	Accelerated Aging and Age-Related Diseases (CVD and Neurological) Due to Air Pollution and Traffic Noise Exposure. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2419.	4.1	33
9	Endothelial $\text{I}\alpha\text{1AMPK}$ modulates angiotensin II-mediated vascular inflammation and dysfunction. <i>Basic Research in Cardiology</i> , 2019, 114, 8.	5.9	32
10	Protective actions of nuclear factor erythroid 2-related factor 2 (NRF2) and downstream pathways against environmental stressors. <i>Free Radical Biology and Medicine</i> , 2022, 187, 72-91.	2.9	28
11	Cerebral consequences of environmental noise exposure. <i>Environment International</i> , 2022, 165, 107306.	10.0	26
12	Thiol-based redox-active proteins as cardioprotective therapeutic agents in cardiovascular diseases. <i>Basic Research in Cardiology</i> , 2021, 116, 44.	5.9	24
13	Ablation of lysozyme M-positive cells prevents aircraft noise-induced vascular damage without improving cerebral side effects. <i>Basic Research in Cardiology</i> , 2021, 116, 31.	5.9	23
14	Environmental Factors Such as Noise and Air Pollution and Vascular Disease. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 581-601.	5.4	20
15	GLP-1 Analog Liraglutide Improves Vascular Function in Polymicrobial Sepsis by Reduction of Oxidative Stress and Inflammation. <i>Antioxidants</i> , 2021, 10, 1175.	5.1	18
16	Aircraft noise exposure drives the activation of white blood cells and induces microvascular dysfunction in mice. <i>Redox Biology</i> , 2021, 46, 102063.	9.0	18
17	Redox Regulatory Changes of Circadian Rhythm by the Environmental Risk Factors Traffic Noise and Air Pollution. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 679-703.	5.4	17
18	Noise-Induced Vascular Dysfunction, Oxidative Stress, and Inflammation Are Improved by Pharmacological Modulation of the NRF2/HO-1 Axis. <i>Antioxidants</i> , 2021, 10, 625.	5.1	14

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19	Environmental aircraft noise aggravates oxidative DNA damage, granulocyte oxidative burst and nitrate resistance in <i>Ogg1</i> <sup>−/−</sup> mice. <i>Free Radical Research</i> , 2020, 54, 280-292.	3.3	12
20	Redox Switches in Noise-Induced Cardiovascular and Neuronal Dysregulation. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 784910.	3.5	12
21	Physical Activity in Polluted Air—Net Benefit or Harm to Cardiovascular Health? A Comprehensive Review. <i>Antioxidants</i> , 2021, 10, 1787.	5.1	8
22	Long-Term Effects of Aircraft Noise Exposure on Vascular Oxidative Stress, Endothelial Function and Blood Pressure: No Evidence for Adaptation or Tolerance Development. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 814921.	3.5	4
23	In vivo analysis of noise dependent activation of white blood cells and microvascular dysfunction in mice. <i>MethodsX</i> , 2021, 8, 101540.	1.6	3
24	Short-term e-cigarette vapor exposure causes vascular oxidative stress and dysfunction—evidence for a close connection to brain damage and a key role of the phagocytic NADPH oxidase (NOX2). <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	1