

# Omar Hahad

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

2,066  
citations

331259

21  
h-index

264894

42  
g-index

76  
all docs

76  
docs citations

76  
times ranked

1857  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of tobacco cigarettes, e-cigarettes, and waterpipe smoking on endothelial function and clinical outcomes. <i>European Heart Journal</i> , 2020, 41, 4057-4070.	1.0	194
2	Ambient Air Pollution Increases the Risk of Cerebrovascular and Neuropsychiatric Disorders through Induction of Inflammation and Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4306.	1.8	190
3	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.	1.0	147
4	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.	1.0	139
5	Environmental Noise-Induced Effects on Stress Hormones, Oxidative Stress, and Vascular Dysfunction: Key Factors in the Relationship between Cerebrocardiovascular and Psychological Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	1.9	122
6	Adverse Cardiovascular Effects of Traffic Noise with a Focus on Nighttime Noise and the New WHO Noise Guidelines. <i>Annual Review of Public Health</i> , 2020, 41, 309-328.	7.6	117
7	Environmental risk factors and cardiovascular diseases: a comprehensive expert review. <i>Cardiovascular Research</i> , 2022, 118, 2880-2902.	1.8	78
8	Effects of air pollution particles (ultrafine and fine particulate matter) on mitochondrial function and oxidative stress – Implications for cardiovascular and neurodegenerative diseases. <i>Archives of Biochemistry and Biophysics</i> , 2020, 696, 108662.	1.4	66
9	Acute exposure to nocturnal train noise induces endothelial dysfunction and pro-thromboinflammatory changes of the plasma proteome in healthy subjects. <i>Basic Research in Cardiology</i> , 2019, 114, 46.	2.5	64
10	Oxidative stress and inflammation contribute to traffic noise-induced vascular and cerebral dysfunction via uncoupling of nitric oxide synthases. <i>Redox Biology</i> , 2020, 34, 101506.	3.9	63
11	Redox-related biomarkers in human cardiovascular disease - classical footprints and beyond. <i>Redox Biology</i> , 2021, 42, 101875.	3.9	59
12	Annoyance to different noise sources is associated with atrial fibrillation in the Gutenberg Health Study. <i>International Journal of Cardiology</i> , 2018, 264, 79-84.	0.8	55
13	Heart healthy cities: genetics loads the gun but the environment pulls the trigger. <i>European Heart Journal</i> , 2021, 42, 2422-2438.	1.0	55
14	Noise annoyance predicts symptoms of depression, anxiety and sleep disturbance 5 years later. Findings from the Gutenberg Health Study. <i>European Journal of Public Health</i> , 2020, 30, 487-492.	0.1	51
15	The Cardiovascular Effects of Noise. <i>Deutsches A&amp;#x0308;rztblatt International</i> , 2019, 116, 245-250.	0.6	44
16	Exacerbation of adverse cardiovascular effects of aircraft noise in an animal model of arterial hypertension. <i>Redox Biology</i> , 2020, 34, 101515.	3.9	36
17	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.	1.8	33
18	Soil and water pollution and human health: what should cardiologists worry about?. <i>Cardiovascular Research</i> , 2023, 119, 440-449.	1.8	30

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19	Endothelial Function Assessed by Digital Volume Plethysmography Predicts the Development and Progression of Type 2 Diabetes Mellitus. <i>Journal of the American Heart Association</i> , 2019, 8, e012509.	1.6	28
20	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.	1.3	28
21	Cerebral consequences of environmental noise exposure. <i>Environment International</i> , 2022, 165, 107306.	4.8	26
22	The impact of aircraft noise on vascular and cardiac function in relation to noise event number: a randomized trial. <i>Cardiovascular Research</i> , 2021, 117, 1382-1390.	1.8	25
23	The dark side of nocturnal light pollution. Outdoor light at night increases risk of coronary heart disease. <i>European Heart Journal</i> , 2021, 42, 831-834.	1.0	23
24	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.	2.5	23
25	Smoking and Neuropsychiatric Disease—Associations and Underlying Mechanisms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7272.	1.8	21
26	Environmental Factors Such as Noise and Air Pollution and Vascular Disease. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 581-601.	2.5	20
27	Takotsubo Syndrome: Impact of endothelial dysfunction and oxidative stress. <i>Free Radical Biology and Medicine</i> , 2021, 169, 216-223.	1.3	18
28	Aircraft noise exposure drives the activation of white blood cells and induces microvascular dysfunction in mice. <i>Redox Biology</i> , 2021, 46, 102063.	3.9	18
29	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.	2.5	17
30	Cigarette Smoking Is Related to Endothelial Dysfunction of Resistance, but Not Conduit Arteries in the General Population—Results From the Gutenberg Health Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 674622.	1.1	16
31	Noise and cardiovascular risk: nighttime aircraft noise acutely triggers cardiovascular death. <i>European Heart Journal</i> , 2021, 42, 844-846.	1.0	15
32	Transcatheter indirect mitral annuloplasty induces annular and left atrial remodelling in secondary mitral regurgitation. <i>ESC Heart Failure</i> , 2020, 7, 1400-1408.	1.4	14
33	Double hazard of smoking and alcohol on vascular function in adolescents. <i>European Heart Journal</i> , 2019, 40, 354-356.	1.0	13
34	The sixth sense is involved in noise-induced stress responses and vascular inflammation: evidence for heightened amygdalar activity in response to transport noise in man. <i>European Heart Journal</i> , 2020, 41, 783-785.	1.0	13
35	Could E-cigarette vaping contribute to heart disease?. <i>Expert Review of Respiratory Medicine</i> , 2020, 14, 1131-1139.	1.0	13
36	Midregional pro atrial natriuretic peptide: a novel important biomarker for noise annoyance-induced cardiovascular morbidity and mortality?. <i>Clinical Research in Cardiology</i> , 2021, 110, 29-39.	1.5	13

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37	Running in polluted air is a two-edged sword – physical exercise in low air pollution areas is cardioprotective but detrimental for the heart in high air pollution areas. <i>European Heart Journal</i> , 2021, 42, 2498-2500.	1.0	13
38	Redox Switches in Noise-Induced Cardiovascular and Neuronal Dysregulation. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 784910.	1.6	12
39	Cardiovascular profiling in the diabetic continuum: results from the population-based Gutenberg Health Study. <i>Clinical Research in Cardiology</i> , 2022, 111, 272-283.	1.5	11
40	Disturbed Glucose Metabolism and Left Ventricular Geometry in the General Population. <i>Journal of Clinical Medicine</i> , 2021, 10, 3851.	1.0	11
41	The association of smoking and smoking cessation with prevalent and incident symptoms of depression, anxiety, and sleep disturbance in the general population. <i>Journal of Affective Disorders</i> , 2022, 313, 100-109.	2.0	11
42	Physical Activity in Polluted Air – Net Benefit or Harm to Cardiovascular Health? A Comprehensive Review. <i>Antioxidants</i> , 2021, 10, 1787.	2.2	8
43	Is vaping better than smoking cigarettes?. <i>European Heart Journal</i> , 2020, 41, 2612-2614.	1.0	7
44	Predictors of short- and long-term outcomes of patients undergoing transcatheter mitral valve edge-to-edge repair. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 97, E390-E401.	0.7	7
45	Galectin-3 for prediction of cardiac function compared to NT-proBNP in individuals with prediabetes and type 2 diabetes mellitus. <i>Scientific Reports</i> , 2021, 11, 19012.	1.6	6
46	Reduced Aircraft Noise Pollution During COVID-19 Lockdown Is Beneficial to Public Cardiovascular Health: a Perspective on the Reduction of Transportation-Associated Pollution. <i>Hypertension</i> , 2022, 79, 335-337.	1.3	6
47	Occupational exposure to metal-rich particulate matter modifies the expression of repair genes in foundry workers. <i>Toxicology and Industrial Health</i> , 2021, 37, 504-512.	0.6	5
48	Domains of Physical Activity in Relation to Stiffness Index in the General Population. <i>Journal of the American Heart Association</i> , 2021, 10, e020930.	1.6	5
49	Right atrium size in the general population. <i>Scientific Reports</i> , 2021, 11, 22523.	1.6	5
50	Long-Term Outcome with New Generation Prostheses in Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Journal of Clinical Medicine</i> , 2021, 10, 3102.	1.0	4
51	Protective and Risk Factors for Mental Distress and Its Impact on Health-Protective Behaviors during the SARS-CoV-2 Pandemic between March 2020 and March 2021 in Germany. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9167.	1.2	4
52	Heightened amygdalar activity mediates the cardiometabolic effects of transportation noise stress. <i>Psychoneuroendocrinology</i> , 2021, 131, 105347.	1.3	4
53	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.	1.6	4
54	The COVID-19 pandemic as a starting point to accelerate improvements in health in our cities through better urban and transport planning. <i>Environmental Science and Pollution Research</i> , 2022, 29, 16783-16785.	2.7	4

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55	Effect of tea consumption on oxidative stress and expression of DNA repair genes among metal press workers exposed to occupational noise. <i>Toxicology Research</i> , 2021, 10, 134-140.	0.9	3
56	In vivo analysis of noise dependent activation of white blood cells and microvascular dysfunction in mice. <i>MethodsX</i> , 2021, 8, 101540.	0.7	3
57	Early symptomatic benefit indicates long-term prognosis after transcatheter mitral valve edge-to-edge repair in functional and degenerative etiology. <i>International Journal of Cardiology</i> , 2021, 344, 141-146.	0.8	2
58	Sleepless in Seattle: Sleep Deprivation and Fragmentation Impair Endothelial Function and Fibrinolysis in Hypertension. <i>Hypertension</i> , 2021, 78, 1841-1843.	1.3	2
59	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.	0.2	1
60	Renin, aldosterone, the aldosterone-to-renin ratio, and incident hypertension among normotensive subjects from the general population. <i>Cardiovascular Research</i> , 2022, , .	1.8	1
61	Atherosclerosis and Its Impact on the Outcomes of Patients with Deep Venous Thrombosis. <i>Life</i> , 2022, 12, 734.	1.1	1
62	Lung cell toxicity of co-exposure to airborne particulate matter and extremely low-frequency magnetic field. <i>Xenobiotica</i> , 2022, 52, 370-379.	0.5	1
63	Das Exposom charakterisiert die Auswirkungen unserer Umwelt auf Stoffwechsel und Gesundheit. <i>Aktuelle Kardiologie</i> , 2021, 10, 502-508.	0.0	0
64	Nachtl�arminduzierte Schlafst�rungen und Herz-Kreislauf-Risiko. <i>Aktuelle Kardiologie</i> , 2021, 10, 521-525.	0.0	0
65	L�arm und Herz-Kreislauf-Erkrankungen. <i>Aktuelle Kardiologie</i> , 2021, 10, 516-520.	0.0	0
66	Herzinsuffizienz bei Typ-2-Diabetes mellitus: Galectin-3 pr�adiziert diastolische Dysfunktion. , 0, , .		0
67	Luftverschmutzung und Herz-Kreislauf-Erkrankungen. <i>Aktuelle Kardiologie</i> , 2021, 10, 510-515.	0.0	0
68	Herzgesunde St�dte - die Gene laden das Gewehr, die Umwelt zieht den Abzug. <i>Aktuelle Kardiologie</i> , 2021, 10, 543-547.	0.0	0