

# Frank A D T G Wagener

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70 papers	2,607 citations	24 h-index	50 g-index
80 ext. papers	3,111 ext. citations	5.7 avg, IF	5.06 L-index

#	Paper	IF	Citations
70	Different faces of the heme-heme oxygenase system in inflammation. <i>Pharmacological Reviews</i> , <b>2003</b> , 55, 551-71	22.5	438
69	Heme is a potent inducer of inflammation in mice and is counteracted by heme oxygenase. <i>Blood</i> , <b>2001</b> , 98, 1802-11	2.2	324
68	Heme induces the expression of adhesion molecules ICAM-1, VCAM-1, and E selectin in vascular endothelial cells. <i>Experimental Biology and Medicine</i> , <b>1997</b> , 216, 456-63	3.7	163
67	The macrophage heme-heme oxygenase-1 system and its role in inflammation. <i>Biochemical Pharmacology</i> , <b>2018</b> , 153, 159-167	6	112
66	Targeting the redox balance in inflammatory skin conditions. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 9126-67	6.3	108
65	The heme-heme oxygenase system: a molecular switch in wound healing. <i>Blood</i> , <b>2003</b> , 102, 521-8	2.2	108
64	The role of reactive oxygen species in apoptosis of the diabetic kidney. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2009</b> , 14, 1451-8	5.4	96
63	The bilirubin-increasing drug atazanavir improves endothelial function in patients with type 2 diabetes mellitus. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 458-63	9.4	87
62	Curcumin-induced fibroblast apoptosis and in vitro wound contraction are regulated by antioxidants and heme oxygenase: implications for scar formation. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 712-25	5.6	75
61	Remote ischaemic preconditioning by brief hind limb ischaemia protects against renal ischaemia-reperfusion injury: the role of adenosine. <i>Nephrology Dialysis Transplantation</i> , <b>2011</b> , 26, 3108-17	4.3	67
60	Heme oxygenase, inflammation, and fibrosis: the good, the bad, and the ugly?. <i>Frontiers in Pharmacology</i> , <b>2012</b> , 3, 81	5.6	63
59	Design Considerations for Hydrogel Wound Dressings: Strategic and Molecular Advances. <i>Tissue Engineering - Part B: Reviews</i> , <b>2020</b> , 26, 230-248	7.9	61
58	Involvement of VDAC, Bax and ceramides in the efflux of AIF from mitochondria during curcumin-induced apoptosis. <i>PLoS ONE</i> , <b>2009</b> , 4, e6688	3.7	55
57	Thermosensitive biomimetic polyisocyanopeptide hydrogels may facilitate wound repair. <i>Biomaterials</i> , <b>2018</b> , 181, 392-401	15.6	52
56	Heme-induced cell adhesion in the pathogenesis of sickle-cell disease and inflammation. <i>Trends in Pharmacological Sciences</i> , <b>2001</b> , 22, 52-4	13.2	51
55	Vitamin A and clefting: putative biological mechanisms. <i>Nutrition Reviews</i> , <b>2011</b> , 69, 613-24	6.4	40
54	Targeting the Heme-Heme Oxygenase System to Prevent Severe Complications Following COVID-19 Infections. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	37

53	HMOX1 promoter polymorphism modulates the relationship between disease activity and joint damage in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , <b>2008</b> , 58, 3388-93		33
52	Strategies to improve regeneration of the soft palate muscles after cleft palate repair. <i>Tissue Engineering - Part B: Reviews</i> , <b>2012</b> , 18, 468-77	7.9	30
51	Hepcidin suppression and defective iron recycling account for dysregulation of iron homeostasis in heme oxygenase-1 deficiency. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 3091-102	5.6	30
50	Curcumin-induced heme oxygenase-1 expression prevents H2O2-induced cell death in wild type and heme oxygenase-2 knockout adipose-derived mesenchymal stem cells. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 17974-99	6.3	29
49	Diannexin protects against renal ischemia reperfusion injury and targets phosphatidylserines in ischemic tissue. <i>PLoS ONE</i> , <b>2011</b> , 6, e24276	3.7	28
48	Rate of orthodontic tooth movement after changing the force magnitude: an experimental study in beagle dogs. <i>Orthodontics and Craniofacial Research</i> , <b>2010</b> , 13, 238-45	3	26
47	Defining the standards for medical grade honey. <i>Journal of Apicultural Research</i> , <b>2020</b> , 59, 125-135	2	23
46	The heme-heme oxygenase system in wound healing; implications for scar formation. <i>Current Drug Targets</i> , <b>2010</b> , 11, 1571-85	3	22
45	Optimal force magnitude for bodily orthodontic tooth movement with fixed appliances: A systematic review. <i>American Journal of Orthodontics and Dentofacial Orthopedics</i> , <b>2019</b> , 156, 582-592	2.1	21
44	A rat model for muscle regeneration in the soft palate. <i>PLoS ONE</i> , <b>2013</b> , 8, e59193	3.7	21
43	Retinoic acid disrupts osteogenesis in pre-osteoblasts by down-regulating WNT signaling. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2019</b> , 116, 105597	5.6	20
42	Humoral signalling compounds in remote ischaemic preconditioning of the kidney, a role for the opioid receptor. <i>Nephrology Dialysis Transplantation</i> , <b>2013</b> , 28, 1721-32	4.3	20
41	Circulating lipoproteins are a crucial component of host defense against invasive Salmonella typhimurium infection. <i>PLoS ONE</i> , <b>2009</b> , 4, e4237	3.7	17
40	Orofacial Muscles: Embryonic Development and Regeneration after Injury. <i>Journal of Dental Research</i> , <b>2020</b> , 99, 125-132	8.1	17
39	Monitoring In-labelled polyisocyanopeptide (PIC) hydrogel wound dressings in full-thickness wounds. <i>Biomaterials Science</i> , <b>2019</b> , 7, 3041-3050	7.4	15
38	Cell-type-specific downregulation of heme oxygenase-1 by lipopolysaccharide via Bach1 in primary human mononuclear cells. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 78, 224-32	7.8	15
37	Mechanical cues in orofacial tissue engineering and regenerative medicine. <i>Wound Repair and Regeneration</i> , <b>2015</b> , 23, 302-11	3.6	14
36	Erythropoietin Attenuates Pulmonary Vascular Remodeling in Experimental Pulmonary Arterial Hypertension through Interplay between Endothelial Progenitor Cells and Heme Oxygenase. <i>Frontiers in Pediatrics</i> , <b>2015</b> , 3, 71	3.4	14

35	Heme Oxygenase-1 and breast cancer resistance protein protect against heme-induced toxicity. <i>Current Pharmaceutical Design</i> , <b>2013</b> , 19, 2698-707	3.3	14
34	Tissue engineering strategies combining molecular targets against inflammation and fibrosis, and umbilical cord blood stem cells to improve hampered muscle and skin regeneration following cleft repair. <i>Medicinal Research Reviews</i> , <b>2020</b> , 40, 9-26	14.4	14
33	Delayed cutaneous wound closure in HO-2 deficient mice despite normal HO-1 expression. <i>Journal of Cellular and Molecular Medicine</i> , <b>2014</b> , 18, 2488-98	5.6	13
32	Curcumin induces differential expression of cytoprotective enzymes but similar apoptotic responses in fibroblasts and myofibroblasts. <i>Experimental Cell Research</i> , <b>2015</b> , 330, 429-441	4.2	13
31	Synergistic Antimicrobial Activity of Supplemented Medical-Grade Honey against Biofilm Formation and Eradication. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	13
30	Low heme oxygenase-1 levels in patients with systemic sclerosis are associated with an altered Toll-like receptor response: another role for CXCL4?. <i>Rheumatology</i> , <b>2016</b> , 55, 2066-2073	3.9	12
29	Mechanical Stress Changes the Complex Interplay Between HO-1, Inflammation and Fibrosis, During Excisional Wound Repair. <i>Frontiers in Medicine</i> , <b>2015</b> , 2, 86	4.9	11
28	Dihydroorotate dehydrogenase depletion hampers mitochondrial function and osteogenic differentiation in osteoblasts. <i>European Journal of Oral Sciences</i> , <b>2016</b> , 124, 241-5	2.3	11
27	Fibrosis impairs the formation of new myofibers in the soft palate after injury. <i>Wound Repair and Regeneration</i> , <b>2015</b> , 23, 866-73	3.6	10
26	Parenteral bilirubin in healthy volunteers: a reintroduction in translational research. <i>British Journal of Clinical Pharmacology</i> , <b>2018</b> , 84, 268-279	3.8	9
25	Cytoprotective responses in HaCaT keratinocytes exposed to high doses of curcumin. <i>Experimental Cell Research</i> , <b>2015</b> , 336, 298-307	4.2	8
24	Neonatal Satellite Cells Form Small Myotubes In Vitro. <i>Journal of Dental Research</i> , <b>2017</b> , 96, 331-338	8.1	7
23	Vascular and metabolic effects of the haem oxygenase-1 inducer haem arginate in subjects with the metabolic syndrome: A translational cross-over study. <i>Diabetes and Vascular Disease Research</i> , <b>2016</b> , 13, 41-8	3.3	6
22	Zebrafish Models of Craniofacial Malformations: Interactions of Environmental Factors. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 600926	5.7	6
21	The anti-epileptic drug valproic acid causes malformations in the developing craniofacial skeleton of zebrafish larvae. <i>Mechanisms of Development</i> , <b>2020</b> , 163, 103632	1.7	6
20	mutation affects craniofacial development and skeletal gene expression in zebrafish larvae. <i>Biology Open</i> , <b>2019</b> , 8,	2.2	6
19	Revolutionizing non-conventional wound healing using honey by simultaneously targeting multiple molecular mechanisms.. <i>Drug Resistance Updates</i> , <b>2022</b> , 62, 100834	23.2	6
18	Heme as Possible Contributing Factor in the Evolvement of Shiga-Toxin Induced Hemolytic-Uremic Syndrome. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 547406	8.4	5

17	Effects of Remote Ischemic Preconditioning on Heme Oxygenase-1 Expression and Cutaneous Wound Repair. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	4
16	Recent advances in bioprinting technologies for engineering hepatic tissue. <i>Materials Science and Engineering C</i> , <b>2021</b> , 123, 112013	8.3	4
15	Polyisocyanopeptide Hydrogels Are Effectively Sterilized Using Supercritical Carbon Dioxide. <i>Tissue Engineering - Part C: Methods</i> , <b>2020</b> , 26, 132-141	2.9	3
14	Orthodontic Forces Induce the Cytoprotective Enzyme Heme Oxygenase-1 in Rats. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 283	4.6	3
13	Distinct effect of retroviral-mediated IFN-alpha gene transfer on human erythroleukemic and CD34+ cell growth and differentiation. <i>Journal of Hematotherapy and Stem Cell Research</i> , <b>1999</b> , 8, 491-502		2
12	Medical-Grade Honey Outperforms Conventional Treatments for Healing Cold Sores-A Clinical Study.. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	2
11	Chemokine Signaling during Midline Epithelial Seam Disintegration Facilitates Palatal Fusion. <i>Frontiers in Cell and Developmental Biology</i> , <b>2017</b> , 5, 94	5.7	1
10	Isolation and Characterization of Satellite Cells from Rat Head Branchiomeric Muscles. <i>Journal of Visualized Experiments</i> , <b>2015</b> , e52802	1.6	1
9	Modulating TLR responses in systemic sclerosis via heme oxygenase-1. <i>Annals of the Rheumatic Diseases</i> , <b>2010</b> , 69, A39-A40	2.4	1
8	Hydrazine-induced liver toxicity is enhanced by glutathione depletion but is not mediated by oxidative stress in HepG2 cells. <i>International Journal of Antimicrobial Agents</i> , <b>2009</b> , 34, 385-6	14.3	1
7	CXCL12-CXCR4 Interplay Facilitates Palatal Osteogenesis in Mice. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 771	5.7	1
6	Functional analysis of the rat soft palate by real-time wireless electromyography. <i>Archives of Oral Biology</i> , <b>2021</b> , 122, 105021	2.8	0
5	Protective mechanisms harnessing against injurious heme and preventing kidney damage in STEC-HUS: toward new therapies?. <i>Kidney International</i> , <b>2022</b> , 101, 1107-1109	9.9	0
4	A8.19 Locally administrated adipose derived mesenchymal stem cells reinforce their anti-inflammatory effect through IL-1 mediated attraction of neutrophils into knee joints with experimental osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , <b>2015</b> , 74, A89.1-A89	2.4	
3	Fehlgeschlagene Einordnung eines impaktierten Zahnes aufgrund sekundärer Ankylose im Bereich einer zervikalen Resorptionsläsion: ein Fallbericht. <i>Informationen Aus Orthodontie Und Kieferorthopädie: Mit Beiträgen Aus Der Internationalen Literatur</i> , <b>2017</b> , 49, 140-147	0	
2	Vom Nutzen der Chirurgie und vom Nachteil der Narben. <i>Informationen Aus Orthodontie Und Kieferorthopädie: Mit Beiträgen Aus Der Internationalen Literatur</i> , <b>2017</b> , 49, 286-294	0	
1	OP0146 Locally Administered Adipose Derived Mesenchymal Stem Cells Augment their Anti-Inflammatory Efficacy Through IL-1 Mediated Influx of Neutrophils into Knee Joints with Experimental Osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , <b>2015</b> , 74, 123.3-124	2.4	