

# Frank A D T G Wagener

## List of Publications by Year in descending order

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Version: 2024-02-01

74  
papers

3,426  
citations

201674

27  
h-index

144013

57  
g-index

80  
all docs

80  
docs citations

80  
times ranked

4851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Revolutionizing non-conventional wound healing using honey by simultaneously targeting multiple molecular mechanisms. <i>Drug Resistance Updates</i> , 2022, 62, 100834.	14.4	18
2	Novel Synthetic Polymer-Based 3D Contraction Assay: A Versatile Preclinical Research Platform for Fibrosis. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 19212-19225.	8.0	17
3	Protective mechanisms harnessing against injurious heme and preventing kidney damage in STEC-HUS: toward new therapies?. <i>Kidney International</i> , 2022, 101, 1107-1109.	5.2	1
4	Functional analysis of the rat soft palate by real-time wireless electromyography. <i>Archives of Oral Biology</i> , 2021, 122, 105021.	1.8	2
5	Recent advances in bioprinting technologies for engineering hepatic tissue. <i>Materials Science and Engineering C</i> , 2021, 123, 112013.	7.3	26
6	Fibrin with Laminin-Nidogen Reduces Fibrosis and Improves Soft Palate Regeneration Following Palatal Injury. <i>Biomolecules</i> , 2021, 11, 1547.	4.0	2
7	Medical-Grade Honey Outperforms Conventional Treatments for Healing Cold Sores—A Clinical Study. <i>Pharmaceuticals</i> , 2021, 14, 1264.	3.8	5
8	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> , 2020, 40, 9-26.	10.5	21
9	Orofacial Muscles: Embryonic Development and Regeneration after Injury. <i>Journal of Dental Research</i> , 2020, 99, 125-132.	5.2	25
10	Polyisocyanopeptide Hydrogels Are Effectively Sterilized Using Supercritical Carbon Dioxide. <i>Tissue Engineering - Part C: Methods</i> , 2020, 26, 132-141.	2.1	9
11	Defining the standards for medical grade honey. <i>Journal of Apicultural Research</i> , 2020, 59, 125-135.	1.5	48
12	Zebrafish Models of Craniofacial Malformations: Interactions of Environmental Factors. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 600926.	3.7	24
13	The anti-epileptic drug valproic acid causes malformations in the developing craniofacial skeleton of zebrafish larvae. <i>Mechanisms of Development</i> , 2020, 163, 103632.	1.7	12
14	CXCL12-CXCR4 Interplay Facilitates Palatal Osteogenesis in Mice. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 771.	3.7	7
15	Heme Oxygenase Protects against Placental Vascular Inflammation and Abortion by the Alarmin Heme in Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5385.	4.1	1
16	Synergistic Antimicrobial Activity of Supplemented Medical-Grade Honey against <i>Pseudomonas aeruginosa</i> Biofilm Formation and Eradication. <i>Antibiotics</i> , 2020, 9, 866.	3.7	29
17	Heme as Possible Contributing Factor in the Evolvement of Shiga-Toxin <i>Escherichia coli</i> Induced Hemolytic-Uremic Syndrome. <i>Frontiers in Immunology</i> , 2020, 11, 547406.	4.8	5
18	Targeting the Heme-Heme Oxygenase System to Prevent Severe Complications Following COVID-19 Infections. <i>Antioxidants</i> , 2020, 9, 540.	5.1	63

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19	Design Considerations for Hydrogel Wound Dressings: Strategic and Molecular Advances. Tissue Engineering - Part B: Reviews, 2020, 26, 230-248.	4.8	153
20	Optimal force magnitude for bodily orthodontic tooth movement with fixed appliances: A systematic review. American Journal of Orthodontics and Dentofacial Orthopedics, 2019, 156, 582-592.	1.7	48
21	Retinoic acid disrupts osteogenesis in pre-osteoblasts by down-regulating WNT signaling. International Journal of Biochemistry and Cell Biology, 2019, 116, 105597.	2.8	27
22	Monitoring <sup>111</sup> In-labelled polyisocyanopeptide (PIC) hydrogel wound dressings in full-thickness wounds. Biomaterials Science, 2019, 7, 3041-3050.	5.4	22
23	<i>Fgf8a</i> mutation affects craniofacial development and skeletal gene expression in zebrafish larvae. Biology Open, 2019, 8, .	1.2	16
24	The macrophage heme-heme oxygenase-1 system and its role in inflammation. Biochemical Pharmacology, 2018, 153, 159-167.	4.4	187
25	Parenteral bilirubin in healthy volunteers: a reintroduction in translational research. British Journal of Clinical Pharmacology, 2018, 84, 268-279.	2.4	15
26	Thermosensitive biomimetic polyisocyanopeptide hydrogels may facilitate wound repair. Biomaterials, 2018, 181, 392-401.	11.4	90
27	Neonatal Satellite Cells Form Small Myotubes In Vitro. Journal of Dental Research, 2017, 96, 331-338.	5.2	11
28	Chemokine Signaling during Midline Epithelial Seam Disintegration Facilitates Palatal Fusion. Frontiers in Cell and Developmental Biology, 2017, 5, 94.	3.7	5
29	Effects of Remote Ischemic Preconditioning on Heme Oxygenase-1 Expression and Cutaneous Wound Repair. International Journal of Molecular Sciences, 2017, 18, 438.	4.1	4
30	Editorial: Molecular Mechanisms Protecting against Tissue Injury. Frontiers in Pharmacology, 2016, 7, 272.	3.5	1
31	Orthodontic Forces Induce the Cytoprotective Enzyme Heme Oxygenase-1 in Rats. Frontiers in Physiology, 2016, 7, 283.	2.8	3
32	Dihydroorotate dehydrogenase depletion hampers mitochondrial function and osteogenic differentiation in osteoblasts. European Journal of Oral Sciences, 2016, 124, 241-245.	1.5	13
33	Low heme oxygenase-1 levels in patients with systemic sclerosis are associated with an altered Toll-like receptor response: another role for CXCL4?. Rheumatology, 2016, 55, 2066-2073.	1.9	28
34	Vascular and metabolic effects of the haem oxygenase-1 inducer haem arginate in subjects with the metabolic syndrome: A translational cross-over study. Diabetes and Vascular Disease Research, 2016, 13, 41-48.	2.0	6
35	Isolation and Characterization of Satellite Cells from Rat Head Branchiomeric Muscles. Journal of Visualized Experiments, 2015, , e52802.	0.3	6
36	Mechanical cues in orofacial tissue engineering and regenerative medicine. Wound Repair and Regeneration, 2015, 23, 302-311.	3.0	23

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37	OP0146â€¦Locally Administered Adipose Derived Mesenchymal Stem Cells Augment their Anti-Inflammatory Efficacy Through IL-1Î² Mediated Influx of Neutrophils into Knee Joints with Experimental Osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 123.3-124.	0.9	0
38	Fibrosis impairs the formation of new myofibers in the soft palate after injury. <i>Wound Repair and Regeneration</i> , 2015, 23, 866-873.	3.0	15
39	Mechanical Stress Changes the Complex Interplay Between HO-1, Inflammation and Fibrosis, During Excisional Wound Repair. <i>Frontiers in Medicine</i> , 2015, 2, 86.	2.6	16
40	Erythropoietin Attenuates Pulmonary Vascular Remodeling in Experimental Pulmonary Arterial Hypertension through Interplay between Endothelial Progenitor Cells and Heme Oxygenase. <i>Frontiers in Pediatrics</i> , 2015, 3, 71.	1.9	17
41	Curcumin induces differential expression of cytoprotective enzymes but similar apoptotic responses in fibroblasts and myofibroblasts. <i>Experimental Cell Research</i> , 2015, 330, 429-441.	2.6	19
42	A8.19â€¦Locally administrated adipose derived mesenchymal stem cells reinforce their anti-inflammatory effect through IL-1Î² mediated attraction of neutrophils into knee joints with experimental osteoarthritis. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, A89.1-A89.	0.9	0
43	Cytoprotective responses in HaCaT keratinocytes exposed to high doses of curcumin. <i>Experimental Cell Research</i> , 2015, 336, 298-307.	2.6	11
44	Locally administered adipose derived mesenchymal stem cells reinforce their anti-inflammatory effect through IL-1Î² mediated attraction of neutrophils into knee joints with experimental osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A379-A380.	1.3	1
45	Cell-type-specific downregulation of heme oxygenase-1 by lipopolysaccharide via Bach1 in primary human mononuclear cells. <i>Free Radical Biology and Medicine</i> , 2015, 78, 224-232.	2.9	21
46	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> , 2014, 15, 17974-17999.	4.1	41
47	Delayed cutaneous wound closure in HO â€² deficient mice despite normal HO â€¹ expression. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 2488-2498.	3.6	14
48	Targeting the Redox Balance in Inflammatory Skin Conditions. <i>International Journal of Molecular Sciences</i> , 2013, 14, 9126-9167.	4.1	149
49	Humoral signalling compounds in remote ischaemic preconditioning of the kidney, a role for the opioid receptor. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 1721-1732.	0.7	23
50	A Rat Model for Muscle Regeneration in the Soft Palate. <i>PLoS ONE</i> , 2013, 8, e59193.	2.5	24
51	Heme Oxygenase-1 and Breast Cancer Resistance Protein Protect Against Hemeinduced Toxicity. <i>Current Pharmaceutical Design</i> , 2013, 19, 2698-2707.	1.9	19
52	Heme oxygenase-1 promoter polymorphisms do not influence susceptibility to systemic sclerosis and its clinical phenotypes. <i>Clinical and Experimental Rheumatology</i> , 2013, 31, 186.	0.8	0
53	Strategies to Improve Regeneration of the Soft Palate Muscles After Cleft Palate Repair. <i>Tissue Engineering - Part B: Reviews</i> , 2012, 18, 468-477.	4.8	40
54	Heme Oxygenase, Inflammation, and Fibrosis: The Good, the Bad, and the Ugly?. <i>Frontiers in Pharmacology</i> , 2012, 3, 81.	3.5	72

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55	Vitamin A and clefting: putative biological mechanisms. <i>Nutrition Reviews</i> , 2011, 69, 613-624.	5.8	56
56	Remote ischaemic preconditioning by brief hind limb ischaemia protects against renal ischaemia-reperfusion injury: the role of adenosine. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 3108-3117.	0.7	74
57	The Bilirubin-Increasing Drug Atazanavir Improves Endothelial Function in Patients With Type 2 Diabetes Mellitus. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 458-463.	2.4	99
58	Diannexin Protects against Renal Ischemia Reperfusion Injury and Targets Phosphatidylserines in Ischemic Tissue. <i>PLoS ONE</i> , 2011, 6, e24276.	2.5	35
59	Rate of orthodontic tooth movement after changing the force magnitude: an experimental study in beagle dogs. <i>Orthodontics and Craniofacial Research</i> , 2010, 13, 238-245.	2.8	33
60	Modulating TLR responses in systemic sclerosis via heme oxygenase-1. <i>Annals of the Rheumatic Diseases</i> , 2010, 69, A39-A40.	0.9	1
61	The Heme-Heme Oxygenase System in Wound Healing; Implications for Scar Formation. <i>Current Drug Targets</i> , 2010, 11, 1571-1585.	2.1	28
62	Curcumin-induced fibroblast apoptosis and <i>in vitro</i> wound contraction are regulated by antioxidants and heme oxygenase: implications for scar formation. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 712-725.	3.6	96
63	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> , 2009, 13, 3091-3102.	3.6	37
64	The role of reactive oxygen species in apoptosis of the diabetic kidney. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 1451-1458.	4.9	110
65	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> , 2009, 34, 385-386.	2.5	1
66	Circulating Lipoproteins Are a Crucial Component of Host Defense against Invasive <i>Salmonella typhimurium</i> Infection. <i>PLoS ONE</i> , 2009, 4, e4237.	2.5	23
67	Involvement of VDAC, Bax and Ceramides in the Efflux of AIF from Mitochondria during Curcumin-Induced Apoptosis. <i>PLoS ONE</i> , 2009, 4, e6688.	2.5	62
68	<i>HMOX1</i> promoter polymorphism modulates the relationship between disease activity and joint damage in rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2008, 58, 3388-3393.	6.7	35
69	Different Faces of the Heme-Heme Oxygenase System in Inflammation. <i>Pharmacological Reviews</i> , 2003, 55, 551-571.	16.0	503
70	The heme-heme oxygenase system: a molecular switch in wound healing. <i>Blood</i> , 2003, 102, 521-528.	1.4	122
71	Heme-induced cell adhesion in the pathogenesis of sickle-cell disease and inflammation. <i>Trends in Pharmacological Sciences</i> , 2001, 22, 52-54.	8.7	64
72	Heme is a potent inducer of inflammation in mice and is counteracted by heme oxygenase. <i>Blood</i> , 2001, 98, 1802-1811.	1.4	383

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73	Distinct Effect of Retroviral-Mediated IFN-alpha Gene Transfer on Human Erythroleukemic and CD34+Cell Growth and Differentiation. Journal of Hematotherapy and Stem Cell Research, 1999, 8, 491-502.	1.8	3
74	Heme Induces the Expression of Adhesion Molecules ICAM-1, VCAM-1, and E Selectin in Vascular Endothelial Cells. Experimental Biology and Medicine, 1997, 216, 456-463.	2.4	205