

Matthias MÃ¶rgelin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/965883/publications.pdf>

Version: 2024-02-01

70
papers

2,513
citations

201674

27
h-index

223800

46
g-index

71
all docs

71
docs citations

71
times ranked

4535
citing authors

#	ARTICLE	IF	CITATIONS
1	Collagenâ€™s primary structure determines collagen:HSP47 complex stoichiometry. Journal of Biological Chemistry, 2021, 297, 101169.	3.4	11
2	New specific HSP47 functions in collagen subfamily chaperoning. FASEB Journal, 2020, 34, 12040-12052.	0.5	16
3	Biological dermal templates with native collagen scaffolds provide guiding ridges for invading cells and may promote structured dermal wound healing. International Wound Journal, 2020, 17, 618-630.	2.9	23
4	Apolipoprotein E Triggers Complement Activation in Joint Synovial Fluid of Rheumatoid Arthritis Patients by Binding C1q. Journal of Immunology, 2020, 204, 2779-2790.	0.8	20
5	Alternative oxidaseâ€‘mediated respiration prevents lethal mitochondrial cardiomyopathy. EMBO Molecular Medicine, 2019, 11, .	6.9	53
6	Targeting peptidylarginine deiminase reduces neutrophil extracellular trap formation and tissue injury in severe acute pancreatitis. Journal of Cellular Physiology, 2019, 234, 11850-11860.	4.1	32
7	Neutrophil extracellular trap-microparticle complexes enhance thrombin generation via the intrinsic pathway of coagulation in mice. Scientific Reports, 2018, 8, 4020.	3.3	88
8	Human IgG Increases Virulence of <i>Streptococcus pyogenes</i> through Complement Evasion. Journal of Immunology, 2018, 200, 3495-3505.	0.8	22
9	TGFB1 is secreted through an unconventional pathway dependent on the autophagic machinery and cytoskeletal regulators. Autophagy, 2018, 14, 465-486.	9.1	80
10	Biological wound matrices with native dermis-like collagen efficiently modulate protease activity. Journal of Wound Care, 2018, 27, 199-209.	1.2	8
11	Plateletâ€‘derived microparticles regulates thrombin generation via phosphatidylserine in abdominal sepsis. Journal of Cellular Physiology, 2018, 233, 1051-1060.	4.1	39
12	The cartilage-specific lectin C-type lectin domain family 3 member A (CLEC3A) enhances tissue plasminogen activatorâ€‘mediated plasminogen activation. Journal of Biological Chemistry, 2018, 293, 203-214.	3.4	19
13	The Pulmonary Extracellular Matrix Is a Bactericidal Barrier Against Haemophilus influenzae in Chronic Obstructive Pulmonary Disease (COPD): Implications for an in vivo Innate Host Defense Function of Collagen VI. Frontiers in Immunology, 2018, 9, 1988.	4.8	7
14	Protein SIC Secreted from Streptococcus pyogenes Forms Complexes with Extracellular Histones That Boost Cytokine Production. Frontiers in Immunology, 2018, 9, 236.	4.8	14
15	Titanium granules pre-treated with hydrogen peroxide inhibit growth of bacteria associated with post-operative infections in spine surgery. European Spine Journal, 2018, 27, 2463-2468.	2.2	12
16	Collagen VI Contains Multiple Host Defense Peptides with Potent In Vivo Activity. Journal of Immunology, 2018, 201, 1007-1020.	0.8	22
17	Neutrophil Protease Cleavage of Von Willebrand Factor in Glomeruli â€‘ An Anti-thrombotic Mechanism in the Kidney. EBioMedicine, 2017, 16, 302-311.	6.1	2
18	Ketogenic diet attenuates hepatopathy in mouse model of respiratory chain complex III deficiency caused by a Bcs1l mutation. Scientific Reports, 2017, 7, 957.	3.3	27

#	ARTICLE	IF	CITATIONS
19	Rac1 regulates sepsis-induced formation of platelet-derived microparticles and thrombin generation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 887-891.	2.1	17
20	Aggregation of thrombin-derived C-terminal fragments as a previously undisclosed host defense mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4213-E4222.	7.1	49
21	Negative Staining and Transmission Electron Microscopy of Bacterial Surface Structures. <i>Methods in Molecular Biology</i> , 2017, 1535, 211-217.	0.9	10
22	Microvesicle transfer of kinin B1-receptors is a novel inflammatory mechanism in vasculitis. <i>Kidney International</i> , 2017, 91, 96-105.	5.2	42
23	DNA-fragmentation is a source of bactericidal activity against <i>Pseudomonas aeruginosa</i> . <i>Biochemical Journal</i> , 2017, 474, 411-425.	3.7	13
24	Identification of bacterial biofilm and the <i>Staphylococcus aureus</i> derived protease, staphopain, on the skin surface of patients with atopic dermatitis. <i>Scientific Reports</i> , 2017, 7, 8689.	3.3	70
25	Syncytiotrophoblast derived extracellular vesicles transfer functional placental miRNAs to primary human endothelial cells. <i>Scientific Reports</i> , 2017, 7, 4558.	3.3	86
26	Thrombin-Derived Host-Defense Peptides Modulate Monocyte/Macrophage Inflammatory Responses to Gram-Negative Bacteria. <i>Frontiers in Immunology</i> , 2017, 8, 843.	4.8	13
27	Osteopontin That Is Elevated in the Airways during COPD Impairs the Antibacterial Activity of Common Innate Antibiotics. <i>PLoS ONE</i> , 2016, 11, e0146192.	2.5	16
28	High Presence of Extracellular Hemoglobin in the Periventricular White Matter Following Preterm Intraventricular Hemorrhage. <i>Frontiers in Physiology</i> , 2016, 7, 330.	2.8	47
29	Heterogeneity of Collagen VI Microfibrils. <i>Journal of Biological Chemistry</i> , 2016, 291, 5247-5258.	3.4	24
30	The Respiratory Pathogen <i>Moraxella catarrhalis</i> Targets Collagen for Maximal Adherence to Host Tissues. <i>MBio</i> , 2016, 7, e00066.	4.1	22
31	<i>Pseudomonas aeruginosa</i> elastase cleaves a C-terminal peptide from human thrombin that inhibits host inflammatory responses. <i>Nature Communications</i> , 2016, 7, 11567.	12.8	59
32	The Tyrosine Sulfate Domain of Fibromodulin Binds Collagen and Enhances Fibril Formation. <i>Journal of Biological Chemistry</i> , 2016, 291, 23744-23755.	3.4	22
33	Saliva-Induced Clotting Captures Streptococci: Novel Roles for Coagulation and Fibrinolysis in Host Defense and Immune Evasion. <i>Infection and Immunity</i> , 2016, 84, 2813-2823.	2.2	12
34	The Gas6-Axl Protein Interaction Mediates Endothelial Uptake of Platelet Microparticles. <i>Journal of Biological Chemistry</i> , 2016, 291, 10586-10601.	3.4	45
35	LL-37-induced host cell cytotoxicity depends on cellular expression of the globular C1q receptor (p33). <i>Biochemical Journal</i> , 2016, 473, 87-98.	3.7	24
36	NLF20: an antimicrobial peptide with therapeutic potential against invasive <i>Pseudomonas aeruginosa</i> infection. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 170-180.	3.0	15

#	ARTICLE	IF	CITATIONS
37	Biofilm in group A streptococcal necrotizing soft tissue infections. JCI Insight, 2016, 1, e87882.	5.0	61
38	Modulation of Hemostatic and Inflammatory Responses by Leptospira Spp.. PLoS Neglected Tropical Diseases, 2016, 10, e0004713.	3.0	16
39	A novel mechanism for NETosis provides antimicrobial defense at the oral mucosa. Blood, 2015, 126, 2128-2137.	1.4	94
40	AIM Ameliorates Preeclampsia-Like Symptoms in Placenta and Kidney Induced by Cell-Free Fetal Hemoglobin in Rabbit. PLoS ONE, 2015, 10, e0125499.	2.5	38
41	Vesicular Location and Transport of S100A8 and S100A9 Proteins in Monocytoid Cells. PLoS ONE, 2015, 10, e0145217.	2.5	10
42	Osteopontin is increased in cystic fibrosis and can skew the functional balance between ELR-positive and ELR-negative CXC-chemokines. Journal of Cystic Fibrosis, 2015, 14, 453-463.	0.7	11
43	Haemophilus influenzae surface fibril (Hsf) is a unique twisted hairpin-like trimeric autotransporter. International Journal of Medical Microbiology, 2015, 305, 27-37.	3.6	12
44	Staphylococcus aureus-induced clotting of plasma is an immune evasion mechanism for persistence within the fibrin network. Microbiology (United Kingdom), 2015, 161, 621-627.	1.8	30
45	Platelet-Dependent Neutrophil Function Is Dysregulated by M Protein from Streptococcus pyogenes. Infection and Immunity, 2015, 83, 3515-3525.	2.2	23
46	A Novel Mechanism of Bacterial Toxin Transfer within Host Blood Cell-Derived Microvesicles. PLoS Pathogens, 2015, 11, e1004619.	4.7	95
47	Anti-endotoxic and antibacterial effects of a dermal substitute coated with host defense peptides. Biomaterials, 2015, 53, 415-425.	11.4	18
48	The Thrombin-Derived Host Defense Peptide GKY25 Inhibits Endotoxin-Induced Responses through Interactions with Lipopolysaccharide and Macrophages/Monocytes. Journal of Immunology, 2015, 194, 5397-5406.	0.8	44
49	Vigilant Keratinocytes Trigger Pathogen-Associated Molecular Pattern Signaling in Response to Streptococcal M1 Protein. Infection and Immunity, 2015, 83, 4673-4681.	2.2	21
50	Neutrophil Extracellular Traps Induce Trypsin Activation, Inflammation, and Tissue Damage in Mice With Severe Acute Pancreatitis. Gastroenterology, 2015, 149, 1920-1931.e8.	1.3	212
51	AIM/β1-Microglobulin Protects from Heme-Induced Placental and Renal Damage in a Pregnant Sheep Model of Preeclampsia. PLoS ONE, 2014, 9, e86353.	2.5	51
52	Syncytiotrophoblast Vesicles Show Altered micro-RNA and Haemoglobin Content after Ex-vivo Perfusion of Placentas with Haemoglobin to Mimic Preeclampsia. PLoS ONE, 2014, 9, e90020.	2.5	40
53	A Peptide of Heparin Cofactor II Inhibits Endotoxin-Mediated Shock and Invasive Pseudomonas aeruginosa Infection. PLoS ONE, 2014, 9, e102577.	2.5	28
54	Antimicrobial Effects of Helix D-derived Peptides of Human Antithrombin III. Journal of Biological Chemistry, 2014, 289, 29790-29800.	3.4	19

#	ARTICLE	IF	CITATIONS
55	Extracellular hemoglobin - mediator of inflammation and cell death in the choroid plexus following preterm intraventricular hemorrhage. <i>Journal of Neuroinflammation</i> , 2014, 11, 200.	7.2	89
56	Surface proteins of group G <i>Streptococcus</i> in different phases of growth: patterns of production and implications for the host-bacteria relationship. <i>Microbiology (United Kingdom)</i> , 2014, 160, 279-286.	1.8	2
57	An antimicrobial helix A-derived peptide of heparin cofactor II blocks endotoxin responses in vivo. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1225-1234.	2.6	9
58	Platelet Activation by <i>Streptococcus pyogenes</i> Leads to Entrapment in Platelet Aggregates, from Which Bacteria Subsequently Escape. <i>Infection and Immunity</i> , 2014, 82, 4307-4314.	2.2	28
59	Identification of pili on the surface of <i>Finegoldia magna</i> - A Gram-positive anaerobic cocci. <i>Anaerobe</i> , 2014, 27, 40-49.	2.1	13
60	<i>Haemophilus influenzae</i> stores and distributes hemin by using Protein E. <i>International Journal of Medical Microbiology</i> , 2014, 304, 662-668.	3.6	4
61	Secondary Structure Changes in ApoA-I Milano (R173C) Are Not Accompanied by a Decrease in Protein Stability or Solubility. <i>PLoS ONE</i> , 2014, 9, e96150.	2.5	19
62	Midkine Is Expressed and Differentially Processed during Chronic Obstructive Pulmonary Disease Exacerbations and Ventilator-Associated Pneumonia Associated with <i>Staphylococcus aureus</i> Infection. <i>Molecular Medicine</i> , 2013, 19, 314-323.	4.4	7
63	The fibrillogenic L178H variant of apolipoprotein A-I forms helical fibrils. <i>Journal of Lipid Research</i> , 2012, 53, 390-398.	4.2	41
64	Structural properties of functional HDL and variants of apoA-II. <i>FASEB Journal</i> , 2012, 26, 997.5.	0.5	0
65	Interaction of <i>Bacteroides fragilis</i> and <i>Bacteroides thetaiotaomicron</i> with the kallikrein-kinin system. <i>Microbiology (United Kingdom)</i> , 2011, 157, 2094-2105.	1.8	32
66	SufA - a bacterial enzyme that cleaves fibrinogen and blocks fibrin network formation. <i>Microbiology (United Kingdom)</i> , 2009, 155, 238-248.	1.8	15
67	M protein from <i>Streptococcus pyogenes</i> induces tissue factor expression and pro-coagulant activity in human monocytes. <i>Microbiology (United Kingdom)</i> , 2007, 153, 2458-2464.	1.8	20
68	Chondroitin Sulfate Perlecan Enhances Collagen Fibril Formation. <i>Journal of Biological Chemistry</i> , 2006, 281, 33127-33139.	3.4	89
69	The Leucine-rich Repeat Protein PRELP Binds Perlecan and Collagens and May Function as a Basement Membrane Anchor. <i>Journal of Biological Chemistry</i> , 2002, 277, 15061-15068.	3.4	132
70	Mouse Ten-m/Odz Is a New Family of Dimeric Type II Transmembrane Proteins Expressed in Many Tissues. <i>Journal of Cell Biology</i> , 1999, 145, 563-577.	5.2	108