

Magnus Gram

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.

63

papers

1,223

citations

23

h-index

33

g-index

83

ext. papers

1,514

ext. citations

4.6

avg, IF

4.3

L-index

#	Paper	IF	Citations
63	Increased levels of cell-free hemoglobin, oxidation markers, and the antioxidative heme scavenger alpha(1)-microglobulin in preeclampsia. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 284-91	7.8	78
62	Hemoglobin induces inflammation after preterm intraventricular hemorrhage by methemoglobin formation. <i>Journal of Neuroinflammation</i> , 2013 , 10, 100	10.1	77
61	Pathological conditions involving extracellular hemoglobin: molecular mechanisms, clinical significance, and novel therapeutic opportunities for $\alpha(1)$ -microglobulin. <i>Antioxidants and Redox Signaling</i> , 2012 , 17, 813-46	8.4	73
60	Extracellular hemoglobin - mediator of inflammation and cell death in the choroid plexus following preterm intraventricular hemorrhage. <i>Journal of Neuroinflammation</i> , 2014 , 11, 200	10.1	60
59	The lipocalin alpha1-microglobulin protects erythroid K562 cells against oxidative damage induced by heme and reactive oxygen species. <i>Free Radical Research</i> , 2008 , 42, 725-36	4	60
58	A1M, an extravascular tissue cleaning and housekeeping protein. <i>Free Radical Biology and Medicine</i> , 2014 , 74, 274-82	7.8	53
57	Fetal hemoglobin and α -microglobulin as first- and early second-trimester predictive biomarkers for preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2011 , 204, 520.e1-5	6.4	52
56	A1M/ α -microglobulin protects from heme-induced placental and renal damage in a pregnant sheep model of preeclampsia. <i>PLoS ONE</i> , 2014 , 9, e86353	3.7	46
55	Up-regulation of A1M/ α -microglobulin in skin by heme and reactive oxygen species gives protection from oxidative damage. <i>PLoS ONE</i> , 2011 , 6, e27505	3.7	43
54	Up-regulation of alpha1-microglobulin by hemoglobin and reactive oxygen species in hepatoma and blood cell lines. <i>Free Radical Biology and Medicine</i> , 2007 , 42, 842-51	7.8	40
53	Bystander cell death and stress response is inhibited by the radical scavenger $\alpha(1)$ -microglobulin in irradiated cell cultures. <i>Radiation Research</i> , 2010 , 174, 590-600	3.1	37
52	High Presence of Extracellular Hemoglobin in the Periventricular White Matter Following Preterm Intraventricular Hemorrhage. <i>Frontiers in Physiology</i> , 2016 , 7, 330	4.6	37
51	Syncytiotrophoblast vesicles show altered micro-RNA and haemoglobin content after ex-vivo perfusion of placentas with haemoglobin to mimic preeclampsia. <i>PLoS ONE</i> , 2014 , 9, e90020	3.7	35
50	A1M Ameliorates Preeclampsia-Like Symptoms in Placenta and Kidney Induced by Cell-Free Fetal Hemoglobin in Rabbit. <i>PLoS ONE</i> , 2015 , 10, e0125499	3.7	34
49	Extracellular fetal hemoglobin induces increases in glomerular permeability: inhibition with α -microglobulin and tempol. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 306, F442-8	4.3	31
48	The radical-binding lipocalin A1M binds to a Complex I subunit and protects mitochondrial structure and function. <i>Antioxidants and Redox Signaling</i> , 2013 , 18, 2017-28	8.4	29
47	The Human Endogenous Protection System against Cell-Free Hemoglobin and Heme Is Overwhelmed in Preeclampsia and Provides Potential Biomarkers and Clinical Indicators. <i>PLoS ONE</i> , 2015 , 10, e0138111	3.7	28

46	First trimester prediction of preeclampsia. <i>Current Hypertension Reports</i> , 2015 , 17, 584	4.7	25
45	Cerebellar Exposure to Cell-Free Hemoglobin Following Preterm Intraventricular Hemorrhage: Causal in Cerebellar Damage?. <i>Translational Stroke Research</i> , 2017 , 8, 461	7.8	24
44	Altered expression of aquaporin 1 and 5 in the choroid plexus following preterm intraventricular hemorrhage. <i>Developmental Neuroscience</i> , 2014 , 36, 542-51	2.2	24
43	Fetal hemoglobin in preeclampsia: a new causative factor, a tool for prediction/diagnosis and a potential target for therapy. <i>Current Opinion in Obstetrics and Gynecology</i> , 2013 , 25, 448-55	2.4	24
42	Recombinant alpha-1-microglobulin: a potential treatment for preeclampsia. <i>Drug Discovery Today</i> , 2017 , 22, 736-743	8.8	23
41	Inventory of Novel Animal Models Addressing Etiology of Preeclampsia in the Development of New Therapeutic/Intervention Opportunities. <i>American Journal of Reproductive Immunology</i> , 2016 , 75, 402-10 ^{3.8}	3.8	23
40	Fetal hemoglobin, β -microglobulin and hemopexin are potential predictive first trimester biomarkers for preeclampsia. <i>Pregnancy Hypertension</i> , 2016 , 6, 103-9	2.6	20
39	Increased postnatal concentrations of pro-inflammatory cytokines are associated with reduced IGF-I levels and retinopathy of prematurity. <i>Growth Hormone and IGF Research</i> , 2018 , 39, 19-24	2	19
38	Serum concentrations of vascular endothelial growth factor in relation to retinopathy of prematurity. <i>Pediatric Research</i> , 2016 , 79, 70-5	3.2	17
37	The cysteine 34 residue of A1M/ β -microglobulin is essential for protection of irradiated cell cultures and reduction of carbonyl groups. <i>Free Radical Research</i> , 2013 , 47, 541-50	4	16
36	rA1M-035, a Physicochemically Improved Human Recombinant β -Microglobulin, Has Therapeutic Effects in Rhabdomyolysis-Induced Acute Kidney Injury. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 489-504	8.4	16
35	Heme Induces Endoplasmic Reticulum Stress (HIER Stress) in Human Aortic Smooth Muscle Cells. <i>Frontiers in Physiology</i> , 2018 , 9, 1595	4.6	16
34	Composite imprinted macroporous hydrogels for haemoglobin purification from cell homogenate. <i>Journal of Chromatography A</i> , 2018 , 1534, 22-31	4.5	15
33	The heme and radical scavenger β -microglobulin (A1M) confers early protection of the immature brain following preterm intraventricular hemorrhage. <i>Journal of Neuroinflammation</i> , 2019 , 16, 122	10.1	14
32	Protection of Kidney Function with Human Antioxidation Protein β -Microglobulin in a Mouse Lu-DOTATATE Radiation Therapy Model. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 1746-1759	8.4	14
31	Heme-induced contractile dysfunction in human cardiomyocytes caused by oxidant damage to thick filament proteins. <i>Free Radical Biology and Medicine</i> , 2015 , 89, 248-62	7.8	12
30	Hypoxia down-regulates expression of secretory leukocyte protease inhibitor in bronchial epithelial cells via TGF- β . <i>BMC Pulmonary Medicine</i> , 2015 , 15, 19	3.5	11
29	Biodistribution and pharmacokinetics of recombinant β -microglobulin and its potential use in radioprotection of kidneys. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2015 , 5, 333-47 ^{2.2}	2.2	11

28	Cell free hemoglobin in the fetoplacental circulation: a novel cause of fetal growth restriction?. <i>FASEB Journal</i> , 2018 , 32, 5436-5446	0.9	10
27	Human Anti-Oxidation Protein A1M--A Potential Kidney Protection Agent in Peptide Receptor Radionuclide Therapy. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 30309-20	6.3	9
26	The Role of β Microglobulin (A1M) in Erythropoiesis and Erythrocyte Homeostasis-Therapeutic Opportunities in Hemolytic Conditions. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
25	Human radical scavenger β microglobulin protects against hemolysis in vitro and β microglobulin knockout mice exhibit a macrocytic anemia phenotype. <i>Free Radical Biology and Medicine</i> , 2021 , 162, 149-159	7.8	7
24	β Microglobulin (A1M) Protects Human Proximal Tubule Epithelial Cells from Heme-Induced Damage In Vitro. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
23	Recombinant β Microglobulin Is a Potential Kidney Protector in Lu-Octreotate Treatment of Neuroendocrine Tumors. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 1600-1604	8.9	5
22	Knockout of the radical scavenger β microglobulin in mice results in defective bikunin synthesis, endoplasmic reticulum stress and increased body weight. <i>Free Radical Biology and Medicine</i> , 2021 , 162, 160-170	7.8	5
21	[167-POS]. <i>Pregnancy Hypertension</i> , 2015 , 5, 86	2.6	4
20	Impaired Cerebellar Maturation, Growth Restriction, and Circulating Insulin-Like Growth Factor 1 in Preterm Rabbit Pups. <i>Developmental Neuroscience</i> , 2017 , 39, 487-497	2.2	3
19	Enhancing mitochondrial function in vivo rescues MDS-like anemia induced by pRb deficiency. <i>Experimental Hematology</i> , 2020 , 88, 28-41	3.1	3
18	Cell-free oxidized hemoglobin drives reactive oxygen species production and pro-inflammation in an immature primary rat mixed glial cell culture. <i>Journal of Neuroinflammation</i> , 2021 , 18, 42	10.1	3
17	[97-POS]. <i>Pregnancy Hypertension</i> , 2015 , 5, 53	2.6	2
16	Behavioral testing and litter effects in the rabbit. <i>Behavioural Brain Research</i> , 2018 , 353, 236-241	3.4	2
15	Cardiopulmonary bypass in the newborn: effects of circulatory cell-free hemoglobin and hyperoxia evaluated in a novel rat pup model. <i>Intensive Care Medicine Experimental</i> , 2017 , 5, 45	3.7	2
14	Surface proteins of group G Streptococcus in different phases of growth: patterns of production and implications for the host-bacteria relationship. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 279-286	2.9	2
13	Heme-Induced Oxidation of Cysteine Groups of Myofilament Proteins Leads to Contractile Dysfunction of Permeabilized Human Skeletal Muscle Fibres. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
12	Ferryl Hemoglobin and Heme Induce A-Microglobulin in Hemorrhaged Atherosclerotic Lesions with Inhibitory Function against Hemoglobin and Lipid Oxidation. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
11	White Matter Brain Development after Exposure to Circulating Cell-Free Hemoglobin and Hyperoxia in a Rat Pup Model. <i>Developmental Neuroscience</i> , 2019 , 41, 234-246	2.2	2

10	Non-Invasive Imaging Methodologies for Assessment of Radiation Damage to Bone Marrow and Kidneys from Peptide Receptor Radionuclide Therapy. <i>Neuroendocrinology</i> , 2020 , 110, 130-138	5.6	2
9	Structure, Functions, and Physiological Roles of the Lipocalin β Microglobulin (A1M). <i>Frontiers in Physiology</i> , 2021 , 12, 645650	4.6	2
8	Pathophysiology of extracellular haemoglobin: use of animal models to translate molecular mechanisms into clinical significance. <i>ISBT Science Series</i> , 2017 , 12, 134-141	1.1	1
7	Targeting elevated heme levels to treat a mouse model for Diamond-Blackfan Anemia. <i>Experimental Hematology</i> , 2021 ,	3.1	1
6	Lu-PSMA-617 Therapy in Mice, with or without the Antioxidant β Microglobulin (A1M), Including Kidney Damage Assessment Using Tc-MAG3 Imaging. <i>Biomolecules</i> , 2021 , 11,	5.9	1
5	β Microglobulin Protects Against Bleeding-Induced Oxidative Damage in Knee Arthropathies. <i>Frontiers in Physiology</i> , 2018 , 9, 1596	4.6	0
4	Production of functional human fetal hemoglobin in <i>Nicotiana benthamiana</i> for development of hemoglobin-based oxygen carriers. <i>International Journal of Biological Macromolecules</i> , 2021 , 184, 955-966	7.9	0
3	Insulin-Like Growth Factor 1 in the Preterm Rabbit Pup: Characterization of Cerebrovascular Maturation following Administration of Recombinant Human Insulin-Like Growth Factor 1/Insulin-Like Growth Factor 1-Binding Protein 3. <i>Developmental Neuroscience</i> , 2021 , 43, 281-295	2.2	0
2	A1M, an extravascular tissue cleaning and housekeeping protein: a possible drug candidate. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S31	7.8	
1	At the Tip of an MeV Beam: Provoking Cells and Performing Tomographic Imaging. <i>Acta Physica Polonica A</i> , 2009 , 115, 501-506	0.6	