

Magnus Gram

List of Publications by Year in descending order

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73
papers

1,664
citations

218677

26
h-index

302126

39
g-index

83
all docs

83
docs citations

83
times ranked

1590
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell-Free Hemoglobin Concentration in Blood Prime Solution Is a Major Determinant of Cell-Free Hemoglobin Exposure during Cardiopulmonary Bypass Circulation in the Newborn. <i>Journal of Clinical Medicine</i> , 2022, 11, 4071.	2.4	0
2	Knockout of the radical scavenger $\hat{1}\pm 1$ -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.	2.9	9
3	Human radical scavenger $\hat{1}\pm 1$ -microglobulin protects against hemolysis in vitro and $\hat{1}\pm 1$ -microglobulin knockout mice exhibit a macrocytic anemia phenotype. <i>Free Radical Biology and Medicine</i> , 2021, 162, 149-159.	2.9	19
4	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.	7.2	14
5	^{177}Lu -PSMA-617 Therapy in Mice, with or without the Antioxidant $\hat{1}\pm 1$ -Microglobulin (A1M), Including Kidney Damage Assessment Using $^{99\text{m}}\text{Tc}$ -MAG3 Imaging. <i>Biomolecules</i> , 2021, 11, 263.	4.0	10
6	Structure, Functions, and Physiological Roles of the Lipocalin $\hat{1}\pm 1$ -Microglobulin (A1M). <i>Frontiers in Physiology</i> , 2021, 12, 645650.	2.8	18
7	Ferryl Hemoglobin and Heme Induce A1-Microglobulin in Hemorrhaged Atherosclerotic Lesions with Inhibitory Function against Hemoglobin and Lipid Oxidation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6668.	4.1	3
8	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.	7.5	2
9	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.	2.0	5
10	Targeting elevated heme levels to treat a mouse model for Diamond-Blackfan Anemia. <i>Experimental Hematology</i> , 2021, , .	0.4	3
11	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.	2.5	4
12	The Role of $\hat{1}\pm 1$ -Microglobulin (A1M) in Erythropoiesis and Erythrocyte Homeostasis – Therapeutic Opportunities in Hemolytic Conditions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7234.	4.1	17
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, 8172.	4.1	5
14	$\hat{1}\pm 1$ -Microglobulin (A1M) Protects Human Proximal Tubule Epithelial Cells from Heme-Induced Damage In Vitro. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5825.	4.1	16
15	Enhancing mitochondrial function in vivo rescues MDS-like anemia induced by pRb deficiency. <i>Experimental Hematology</i> , 2020, 88, 28-41.	0.4	6
16	Editorial: Biomarkers of Oxidative Stress. <i>Frontiers in Physiology</i> , 2020, 11, 338.	2.8	5
17	Protection of Kidney Function with Human Antioxidation Protein $\hat{1}\pm 1$ -Microglobulin in a Mouse ^{177}Lu -DOTATATE Radiation Therapy Model. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1746-1759.	5.4	22
18	The heme and radical scavenger $\hat{1}\pm 1$ -microglobulin (A1M) confers early protection of the immature brain following preterm intraventricular hemorrhage. <i>Journal of Neuroinflammation</i> , 2019, 16, 122.	7.2	23

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19	Recombinant $\hat{1}$ -Microglobulin Is a Potential Kidney Protector in ¹⁷⁷ Lu-Octreotate Treatment of Neuroendocrine Tumors. <i>Journal of Nuclear Medicine</i> , 2019, 60, 1600-1604.	5.0	10
20	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.	2.0	4
21	rA1M-035, a Physicochemically Improved Human Recombinant $\hat{1}$ -Microglobulin, Has Therapeutic Effects in Rhabdomyolysis-Induced Acute Kidney Injury. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 489-504.	5.4	21
22	Behavioral testing and litter effects in the rabbit. <i>Behavioural Brain Research</i> , 2018, 353, 236-241.	2.2	6
23	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.	1.1	29
24	Composite imprinted macroporous hydrogels for haemoglobin purification from cell homogenate. <i>Journal of Chromatography A</i> , 2018, 1534, 22-31.	3.7	20
25	[OA166] A1M is a potential kidney protector in ¹⁷⁷ Lu-octreotate treatment of neuroendocrine tumours. <i>Physica Medica</i> , 2018, 52, 63-64.	0.7	0
26	$\hat{1}$ -Microglobulin Protects Against Bleeding-Induced Oxidative Damage in Knee Arthropathies. <i>Frontiers in Physiology</i> , 2018, 9, 1596.	2.8	2
27	Heme Induces Endoplasmic Reticulum Stress (HIER Stress) in Human Aortic Smooth Muscle Cells. <i>Frontiers in Physiology</i> , 2018, 9, 1595.	2.8	26
28	Cell free hemoglobin in the fetoplacental circulation: a novel cause of fetal growth restriction?. <i>FASEB Journal</i> , 2018, 32, 5436-5446.	0.5	16
29	Cerebellar Exposure to Cell-Free Hemoglobin Following Preterm Intraventricular Hemorrhage: Causal in Cerebellar Damage?. <i>Translational Stroke Research</i> , 2017, 8, 461-473.	4.2	29
30	Recombinant alpha-1-microglobulin: a potential treatment for preeclampsia. <i>Drug Discovery Today</i> , 2017, 22, 736-743.	6.4	29
31	Erythroid-specific deletion of pRb results in development of MDS-like anemia with a differentiation block in orthochromatic erythroblasts due to impaired mitochondrial function and heme synthesis. <i>Experimental Hematology</i> , 2017, 53, S67.	0.4	0
32	Impaired Cerebellar Maturation, Growth Restriction, and Circulating Insulin-Like Growth Factor 1 in Preterm Rabbit Pups. <i>Developmental Neuroscience</i> , 2017, 39, 487-497.	2.0	9
33	OP 53 Anti-hemolytic effects of $\hat{1}$ -microglobulin – A possible mechanism for pre-eclampsia treatment. <i>Pregnancy Hypertension</i> , 2017, 9, 32-33.	1.4	0
34	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	2
35	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.	1.9	3
36	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

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37	Fetal hemoglobin, $\hat{\pm}$ 1-microglobulin and hemopexin are potential predictive first trimester biomarkers for preeclampsia. <i>Pregnancy Hypertension</i> , 2016, 6, 103-109.	1.4	41
38	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, 402-410.	1.2	30
39	Serum concentrations of vascular endothelial growth factor in relation to retinopathy of prematurity. <i>Pediatric Research</i> , 2016, 79, 70-75.	2.3	30
40	Alpha-1-Microglobulin (A1M) Protects Kidney Epithelial Cells from Cellular, Mitochondrial and Molecular Damage Following Exposure to Heme and Hydroxyl Radicals. <i>Free Radical Biology and Medicine</i> , 2015, 87, S89.	2.9	0
41	Human Anti-Oxidation Protein A1M A Potential Kidney Protection Agent in Peptide Receptor Radionuclide Therapy. <i>International Journal of Molecular Sciences</i> , 2015, 16, 30309-30320.	4.1	12
42	A1M Ameliorates Preeclampsia-Like Symptoms in Placenta and Kidney Induced by Cell-Free Fetal Hemoglobin in Rabbit. <i>PLoS ONE</i> , 2015, 10, e0125499.	2.5	38
43	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.	2.5	36
44	First Trimester Prediction of Preeclampsia. <i>Current Hypertension Reports</i> , 2015, 17, 584.	3.5	31
45	[167-POS]. <i>Pregnancy Hypertension</i> , 2015, 5, 86.	1.4	5
46	[97-POS]. <i>Pregnancy Hypertension</i> , 2015, 5, 53.	1.4	4
47	Hypoxia down-regulates expression of secretory leukocyte protease inhibitor in bronchial epithelial cells via TGF- $\hat{\pm}$ 1. <i>BMC Pulmonary Medicine</i> , 2015, 15, 19.	2.0	26
48	Heme-induced contractile dysfunction in Human cardiomyocytes caused by oxidant damage to thick filament proteins. <i>Free Radical Biology and Medicine</i> , 2015, 89, 248-262.	2.9	23
49	Biodistribution and pharmacokinetics of recombinant $\hat{\pm}$ 1-microglobulin and its potential use in radioprotection of kidneys. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 5, 333-47.	1.0	12
50	A1M/ $\hat{\pm}$ 1-Microglobulin Protects from Heme-Induced Placental and Renal Damage in a Pregnant Sheep Model of Preeclampsia. <i>PLoS ONE</i> , 2014, 9, e86353.	2.5	51
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.	2.5	40
52	Extracellular fetal hemoglobin induces increases in glomerular permeability: inhibition with $\hat{\pm}$ 1-microglobulin and tempol. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F442-F448.	2.7	34
53	A1M, an extravascular tissue cleaning and housekeeping protein: a possible drug candidate. <i>Free Radical Biology and Medicine</i> , 2014, 75, S31.	2.9	0
54	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

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55	Altered Expression of Aquaporin 1 and 5 in the Choroid Plexus following Preterm Intraventricular Hemorrhage. <i>Developmental Neuroscience</i> , 2014, 36, 542-551.	2.0	32
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	Alpha-1 microglobulin as a potential therapeutic candidate for the treatment of preeclampsia. <i>Placenta</i> , 2014, 35, A78.	1.5	1
58	A1M, an extravascular tissue cleaning and housekeeping protein. <i>Free Radical Biology and Medicine</i> , 2014, 74, 274-282.	2.9	71
59	Fetal hemoglobin induces changes to the glomerular filtration rate in kidney that resembles symptoms observed during preeclampsia and was ameliorated by co-administration of alpha-1 microglobulin. <i>Placenta</i> , 2014, 35, A78-A79.	1.5	0
60	Hemoglobin induces inflammation after preterm intraventricular hemorrhage by methemoglobin formation. <i>Journal of Neuroinflammation</i> , 2013, 10, 100.	7.2	101
61	PP010. Alpha-1-microglobulin protects from heme induced placenta and kidney damage in a pregnant ewe model for preeclampsia. <i>Pregnancy Hypertension</i> , 2013, 3, 70-71.	1.4	0
62	The cysteine 34 residue of A1M/ α 1-microglobulin is essential for protection of irradiated cell cultures and reduction of carbonyl groups. <i>Free Radical Research</i> , 2013, 47, 541-550.	3.3	17
63	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, 2017-2028.	5.4	34
64	PP006. Gene expression profiling of first trimester placentas from pregnancies at high risk of developing preeclampsia. <i>Pregnancy Hypertension</i> , 2013, 3, 69.	1.4	0
65	Fetal hemoglobin in preeclampsia. <i>Current Opinion in Obstetrics and Gynecology</i> , 2013, 25, 448-455.	2.0	27
66	Pathological Conditions Involving Extracellular Hemoglobin: Molecular Mechanisms, Clinical Significance, and Novel Therapeutic Opportunities for α 1-Microglobulin. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 813-846.	5.4	87
67	Up-Regulation of A1M/ α 1-Microglobulin in Skin by Heme and Reactive Oxygen Species Gives Protection from Oxidative Damage. <i>PLoS ONE</i> , 2011, 6, e27505.	2.5	50
68	Fetal hemoglobin and α 1-microglobulin as first- and early second-trimester predictive biomarkers for preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2011, 204, 520.e1-520.e5.	1.3	59
69	Increased levels of cell-free hemoglobin, oxidation markers, and the antioxidative heme scavenger α 1-microglobulin in preeclampsia. <i>Free Radical Biology and Medicine</i> , 2010, 48, 284-291.	2.9	87
70	Bystander Cell Death and Stress Response is Inhibited by the Radical Scavenger α 1-Microglobulin in Irradiated Cell Cultures. <i>Radiation Research</i> , 2010, 174, 590-600.	1.5	42
71	At the Tip of an MeV Beam: Provoking Cells and Performing Tomographic Imaging. <i>Acta Physica Polonica A</i> , 2009, 115, 501-506.	0.5	0
72	The lipocalin α 1-microglobulin protects erythroid K562 cells against oxidative damage induced by heme and reactive oxygen species. <i>Free Radical Research</i> , 2008, 42, 725-736.	3.3	69

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73	Up-regulation of α 1-microglobulin by hemoglobin and reactive oxygen species in hepatoma and blood cell lines. <i>Free Radical Biology and Medicine</i> , 2007, 42, 842-851.	2.9	47