

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
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83
all docs

83
docs citations

83
times ranked

1590
citing authors

#	ARTICLE	IF	CITATIONS
1	Hemoglobin induces inflammation after preterm intraventricular hemorrhage by methemoglobin formation. <i>Journal of Neuroinflammation</i> , 2013, 10, 100.	7.2	101
2	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
3	Increased levels of cell-free hemoglobin, oxidation markers, and the antioxidative heme scavenger $\hat{1}\pm$ -microglobulin in preeclampsia. <i>Free Radical Biology and Medicine</i> , 2010, 48, 284-291.	2.9	87
4	Pathological Conditions Involving Extracellular Hemoglobin: Molecular Mechanisms, Clinical Significance, and Novel Therapeutic Opportunities for $\hat{1}\pm$ -Microglobulin. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 813-846.	5.4	87
5	A1M, an extravascular tissue cleaning and housekeeping protein. <i>Free Radical Biology and Medicine</i> , 2014, 74, 274-282.	2.9	71
6	The lipocalin $\hat{1}\pm$ -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
7	Fetal hemoglobin and $\hat{1}\pm$ -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
8	A1M/ $\hat{1}\pm$ -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
9	Up-Regulation of A1M/ $\hat{1}\pm$ -Microglobulin in Skin by Heme and Reactive Oxygen Species Gives Protection from Oxidative Damage. <i>PLoS ONE</i> , 2011, 6, e27505.	2.5	50
10	Up-regulation of $\hat{1}\pm$ -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
11	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
12	Bystander Cell Death and Stress Response is Inhibited by the Radical Scavenger $\hat{1}\pm$ -Microglobulin in Irradiated Cell Cultures. <i>Radiation Research</i> , 2010, 174, 590-600.	1.5	42
13	Fetal hemoglobin, $\hat{1}\pm$ -microglobulin and hemopexin are potential predictive first trimester biomarkers for preeclampsia. <i>Pregnancy Hypertension</i> , 2016, 6, 103-109.	1.4	41
14	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
15	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
16	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
17	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
18	Extracellular fetal hemoglobin induces increases in glomerular permeability: inhibition with $\hat{1}\pm$ -microglobulin and tempol. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F442-F448.	2.7	34

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19	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
20	First Trimester Prediction of Preeclampsia. <i>Current Hypertension Reports</i> , 2015, 17, 584.	3.5	31
21	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
22	Serum concentrations of vascular endothelial growth factor in relation to retinopathy of prematurity. <i>Pediatric Research</i> , 2016, 79, 70-75.	2.3	30
23	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
24	Recombinant alpha-1-microglobulin: a potential treatment for preeclampsia. <i>Drug Discovery Today</i> , 2017, 22, 736-743.	6.4	29
25	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
26	Fetal hemoglobin in preeclampsia. <i>Current Opinion in Obstetrics and Gynecology</i> , 2013, 25, 448-455.	2.0	27
27	Hypoxia down-regulates expression of secretory leukocyte protease inhibitor in bronchial epithelial cells via TGF- β 1. <i>BMC Pulmonary Medicine</i> , 2015, 15, 19.	2.0	26
28	Heme Induces Endoplasmic Reticulum Stress (HIER Stress) in Human Aortic Smooth Muscle Cells. <i>Frontiers in Physiology</i> , 2018, 9, 1595.	2.8	26
29	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
30	The heme and radical scavenger α 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
31	Protection of Kidney Function with Human Antioxidation Protein α 1-Microglobulin in a Mouse ¹⁷⁷ Lu-DOTATATE Radiation Therapy Model. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 1746-1759.	5.4	22
32	rA1M-035, a Physicochemically Improved Human Recombinant α 1-Microglobulin, Has Therapeutic Effects in Rhabdomyolysis-Induced Acute Kidney Injury. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 489-504.	5.4	21
33	Composite imprinted macroporous hydrogels for haemoglobin purification from cell homogenate. <i>Journal of Chromatography A</i> , 2018, 1534, 22-31.	3.7	20
34	Human radical scavenger α 1-microglobulin protects against hemolysis in vitro and α 1-microglobulin knockout mice exhibit a macrocytic anemia phenotype. <i>Free Radical Biology and Medicine</i> , 2021, 162, 149-159.	2.9	19
35	Structure, Functions, and Physiological Roles of the Lipocalin α 1-Microglobulin (A1M). <i>Frontiers in Physiology</i> , 2021, 12, 645650.	2.8	18
36	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

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37	The Role of $\hat{1}$ -Microglobulin (AIM) in Erythropoiesis and Erythrocyte Homeostasis—Therapeutic Opportunities in Hemolytic Conditions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7234.	4.1	17
38	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
39	$\hat{1}$ -Microglobulin (AIM) 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
40	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
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	Biodistribution and pharmacokinetics of recombinant $\hat{1}$ -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
43	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
44	¹⁷⁷ Lu-PSMA-617 Therapy in Mice, with or without the Antioxidant $\hat{1}$ -Microglobulin (AIM), Including Kidney Damage Assessment Using ^{99m} Tc-MAG3 Imaging. <i>Biomolecules</i> , 2021, 11, 263.	4.0	10
45	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
46	Knockout of the radical scavenger $\hat{1}$ -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
47	Behavioral testing and litter effects in the rabbit. <i>Behavioural Brain Research</i> , 2018, 353, 236-241.	2.2	6
48	Enhancing mitochondrial function in vivo rescues MDS-like anemia induced by pRb deficiency. <i>Experimental Hematology</i> , 2020, 88, 28-41.	0.4	6
49	[167-POS]. <i>Pregnancy Hypertension</i> , 2015, 5, 86.	1.4	5
50	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
51	Editorial: Biomarkers of Oxidative Stress. <i>Frontiers in Physiology</i> , 2020, 11, 338.	2.8	5
52	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
53	[97-POS]. <i>Pregnancy Hypertension</i> , 2015, 5, 53.	1.4	4
54	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

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55	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
56	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
57	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
58	Targeting elevated heme levels to treat a mouse model for Diamond-Blackfan Anemia. <i>Experimental Hematology</i> , 2021, , .	0.4	3
59	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
60	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
61	$\hat{\pm}$ 1-Microglobulin Protects Against Bleeding-Induced Oxidative Damage in Knee Arthropathies. <i>Frontiers in Physiology</i> , 2018, 9, 1596.	2.8	2
62	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
63	Alpha-1 microglobulin as a potential therapeutic candidate for the treatment of preeclampsia. <i>Placenta</i> , 2014, 35, A78.	1.5	1
64	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
65	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
66	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
67	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
68	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
69	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
70	OP 53 Anti-hemolytic effects of $\hat{\pm}$ 1-microglobulin – A possible mechanism for pre-eclampsia treatment. <i>Pregnancy Hypertension</i> , 2017, 9, 32-33.	1.4	0
71	[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
72	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

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73	Cell-Free Hemoglobin Concentration in Blood Prime Solution Is a Major Determinant of Cell-Free Hemoglobin Exposure during Cardiopulmonary Bypass Circulation in the Newborn. Journal of Clinical Medicine, 2022, 11, 4071.	2.4	0