

Barbara Messner

List of Publications by Year in descending order

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47
papers

2,341
citations

304743

22
h-index

243625

44
g-index

47
all docs

47
docs citations

47
times ranked

4489
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Telocytes and Telocyte-Derived Exosomes in the Development of Thoracic Aortic Aneurysm. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4730.	4.1	9
2	S-nitroso human serum albumin as a nitric oxide donor in drug-eluting vascular grafts: Biofunctionality and preclinical evaluation. <i>Acta Biomaterialia</i> , 2021, 134, 276-288.	8.3	13
3	Telocytes in the human ascending aorta: Characterization and exosome-related KLF4/VEGF-A expression. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 9697-9709.	3.6	13
4	A Novel Endothelial Damage Inhibitor Reduces Oxidative Stress and Improves Cellular Integrity in Radial Artery Grafts for Coronary Artery Bypass. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 736503.	2.4	8
5	Long Term Evaluation of Nanofibrous, Bioabsorbable Polycarbonate Urethane Grafts for Small Diameter Vessel Replacement in Rodents. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 59, 643-652.	1.5	25
6	Long interspersed element-1 ribonucleoprotein particles protect telomeric ends in alternative lengthening of telomeres dependent cells. <i>Neoplasia</i> , 2020, 22, 61-75.	5.3	13
7	Primary Human Fibroblasts in Culture Switch to a Myofibroblast-Like Phenotype Independently of TGF Beta. <i>Cells</i> , 2019, 8, 721.	4.1	41
8	Strong Signs for a Weak Wall in Tricuspid Aortic Valve Associated Aneurysms and a Role for Osteopontin in Bicuspid Aortic Valve Associated Aneurysms. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4782.	4.1	11
9	In Vitro Assays Used to Analyse Vascular Cell Functions. <i>Learning Materials in Biosciences</i> , 2019, , 329-353.	0.4	0
10	Bicuspid aortic valve-associated aortopathy: Where do we stand?. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 133, 76-85.	1.9	18
11	Tylophorine reduces protein biosynthesis and rapidly decreases cyclin D1, inhibiting vascular smooth muscle cell proliferation in vitro and in organ culture. <i>Phytomedicine</i> , 2019, 60, 152938.	5.3	9
12	Extracellular matrix in ascending aortic aneurysms and dissections – What we learn from decellularization and scanning electron microscopy. <i>PLoS ONE</i> , 2019, 14, e0213794.	2.5	20
13	Chemical imaging and assessment of cadmium distribution in the human body. <i>Metallomics</i> , 2019, 11, 2010-2019.	2.4	58
14	Early inhibition of endothelial retinoid uptake upon myocardial infarction restores cardiac function and prevents cell, tissue, and animal death. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 126, 105-117.	1.9	14
15	Targeted gene expression analyses and immunohistology suggest a pro-proliferative state in tricuspid aortic valve-, and senescence and viral infections in bicuspid aortic valve-associated thoracic aortic aneurysms. <i>Atherosclerosis</i> , 2018, 271, 111-119.	0.8	18
16	Perioperative von Willebrand factor dynamics are associated with liver regeneration and predict outcome after liver resection. <i>Hepatology</i> , 2018, 67, 1516-1530.	7.3	39
17	Intravenous Heme Arginate Induces HO-1 (Heme Oxygenase-1) in the Human Heart. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, 2755-2762.	2.4	14
18	Reply to: –The senescence of vascular smooth muscle cells in BAV-associated aortopathy–. <i>Atherosclerosis</i> , 2018, 278, 319-320.	0.8	0

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19	To Be Or Not to Be: the “Smoker’s Paradox” An in-Vitro Study. Cellular Physiology and Biochemistry, 2018, 48, 1638-1651.	1.6	3
20	Telomere Biology and Thoracic Aortic Aneurysm. International Journal of Molecular Sciences, 2018, 19, 3.	4.1	29
21	The megaaortic syndrome: Progression of ascending aortic aneurysm or a disease of distinct origin?. International Journal of Cardiology, 2017, 227, 717-726.	1.7	2
22	Metabolomic profiling of ascending thoracic aortic aneurysms and dissections - Implications for pathophysiology and biomarker discovery. PLoS ONE, 2017, 12, e0176727.	2.5	24
23	Biocompatibility Assessment of a New Biodegradable Vascular Graft via In Vitro Co-culture Approaches and In Vivo Model. Annals of Biomedical Engineering, 2016, 44, 3319-3334.	2.5	20
24	Leoligin, the major lignan from Edelweiss, inhibits 3-hydroxy-3-methyl-glutaryl-CoA reductase and reduces cholesterol levels in ApoE \sim/\sim mice. Journal of Molecular and Cellular Cardiology, 2016, 99, 35-46.	1.9	16
25	Impaired Endothelial Nitric Oxide Synthase Homodimer Formation Triggers Development of Transplant Vasculopathy - Insights from a Murine Aortic Transplantation Model. Scientific Reports, 2016, 6, 37917.	3.3	8
26	Cadmium overkill: autophagy, apoptosis and necrosis signalling in endothelial cells exposed to cadmium. Cellular and Molecular Life Sciences, 2016, 73, 1699-1713.	5.4	71
27	Letter to the editor regarding “In vitro flow investigations in the aortic arch during cardiopulmonary bypass with stereo-PIV”. Journal of Biomechanics, 2016, 49, 1-2.	2.1	8
28	Vapours of US and EU Market Leader Electronic Cigarette Brands and Liquids Are Cytotoxic for Human Vascular Endothelial Cells. PLoS ONE, 2016, 11, e0157337.	2.5	85
29	Dietary Silicon Deficiency Does Not Exacerbate Diet-Induced Fatty Lesions in Female ApoE Knockout Mice. Journal of Nutrition, 2015, 145, 1498-1506.	2.9	6
30	Combination of Cadmium and High Cholesterol Levels as a Risk Factor for Heart Fibrosis. Toxicological Sciences, 2015, 145, 360-371.	3.1	20
31	Serum-dependent processing of late apoptotic cells and their immunogenicity. Apoptosis: an International Journal on Programmed Cell Death, 2015, 20, 1444-1456.	4.9	9
32	Biodegradable, thermoplastic polyurethane grafts for small diameter vascular replacements. Acta Biomaterialia, 2015, 11, 104-113.	8.3	107
33	Smoking and Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 509-515.	2.4	752
34	5-Methoxyleoligin, a Lignan from Edelweiss, Stimulates CYP26B1-Dependent Angiogenesis In Vitro and Induces Arteriogenesis in Infarcted Rat Hearts In Vivo. PLoS ONE, 2013, 8, e58342.	2.5	11
35	Apoptosis and necrosis: two different outcomes of cigarette smoke condensate-induced endothelial cell death. Cell Death and Disease, 2012, 3, e424-e424.	6.3	69
36	Characteristics of TAV- and BAV-associated thoracic aortic aneurysms”Smooth muscle cell biology, expression profiling, and histological analyses. Atherosclerosis, 2012, 220, 355-361.	0.8	62

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37	Erratum to "Dynamics of heat shock protein 60 in endothelial cells exposed to cigarette smoke extract" [J. Mol. Cell. Cardiol. 51 (2011) 777-780]. Journal of Molecular and Cellular Cardiology, 2012, 52, 293.	1.9	0
38	Cadmium activates a programmed, lysosomal membrane permeabilization-dependent necrosis pathway. Toxicology Letters, 2012, 212, 268-275.	0.8	46
39	Identification and pharmacological characterization of the anti-inflammatory principal of the leaves of dwarf elder (<i>Sambucus ebulus</i> L.). Journal of Ethnopharmacology, 2011, 133, 704-709.	4.1	43
40	Dynamics of heat shock protein 60 in endothelial cells exposed to cigarette smoke extract. Journal of Molecular and Cellular Cardiology, 2011, 51, 777-780.	1.9	25
41	Ursolic acid causes DNA-damage, P53-mediated, mitochondria- and caspase-dependent human endothelial cell apoptosis, and accelerates atherosclerotic plaque formation in vivo. Atherosclerosis, 2011, 219, 402-408.	0.8	45
42	Cadmium and cardiovascular diseases: cell biology, pathophysiology, and epidemiological relevance. BioMetals, 2010, 23, 811-822.	4.1	154
43	Lead Contributes to Arterial Intimal Hyperplasia Through Nuclear Factor Erythroid 2-Related Factor-Mediated Endothelial Interleukin 8 Synthesis and Subsequent Invasion of Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1733-1740.	2.4	34
44	Chronic cadmium exposure induces transcriptional activation of the Wnt pathway and upregulation of epithelial-to-mesenchymal transition markers in mouse kidney. Toxicology Letters, 2010, 198, 69-76.	0.8	54
45	Cadmium Is a Novel and Independent Risk Factor for Early Atherosclerosis Mechanisms and In Vivo Relevance. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1392-1398.	2.4	245
46	Leoligin, the major lignan from Edelweiss, inhibits intimal hyperplasia of venous bypass grafts. Cardiovascular Research, 2009, 82, 542-549.	3.8	38
47	Isogentisin "A novel compound for the prevention of smoking-caused endothelial injury. Atherosclerosis, 2007, 194, 317-325.	0.8	32