Barbara Messner

List of Publications by Year
in descending order

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	Smoking and Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 509-515.	2.4	752
2	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
3	Cadmium and cardiovascular diseases: cell biology, pathophysiology, and epidemiological relevance. BioMetals, 2010, 23, 811-822.	4.1	154
4	Biodegradable, thermoplastic polyurethane grafts for small diameter vascular replacements. Acta Biomaterialia, 2015, 11, 104-113.	8.3	107
5	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
6	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
7	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
8	Characteristics of TAV- and BAV-associated thoracic aortic aneurysmsâ€"Smooth muscle cell biology, expression profiling, and histological analyses. Atherosclerosis, 2012, 220, 355-361.	0.8	62
9	Chemical imaging and assessment of cadmium distribution in the human body. Metallomics, 2019, 11, 2010-2019.	2.4	58
10	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
11	Cadmium activates a programmed, lysosomal membrane permeabilization-dependent necrosis pathway. Toxicology Letters, 2012, 212, 268-275.	0.8	46
12	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
13	Identification and pharmacological characterization of the anti-inflammatory principal of the leaves of dwarf elder (Sambucus ebulus L.). Journal of Ethnopharmacology, 2011, 133, 704-709.	4.1	43
14	Primary Human Fibroblasts in Culture Switch to a Myofibroblast-Like Phenotype Independently of TGF Beta. Cells, 2019, 8, 721.	4.1	41
15	Perioperative von Willebrand factor dynamics are associated with liver regeneration and predict outcome after liver resection. Hepatology, 2018, 67, 1516-1530.	7.3	39
16	Leoligin, the major lignan from Edelweiss, inhibits intimal hyperplasia of venous bypass grafts. Cardiovascular Research, 2009, 82, 542-549.	3.8	38
17	Lead Contributes to Arterial Intimal Hyperplasia Through Nuclear Factor Erythroid 2â€"Related Factorâ€"Mediated Endothelial Interleukin 8 Synthesis and Subsequent Invasion of Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1733-1740.	2.4	34
18	Isogentisinâ€"A novel compound for the prevention of smoking-caused endothelial injury. Atherosclerosis, 2007, 194, 317-325.	0.8	32

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19	Telomere Biology and Thoracic Aortic Aneurysm. International Journal of Molecular Sciences, 2018, 19, 3.	4.1	29
20	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
21	Long Term Evaluation of Nanofibrous, Bioabsorbable Polycarbonate Urethane Grafts for Small Diameter Vessel Replacement in Rodents. European Journal of Vascular and Endovascular Surgery, 2020, 59, 643-652.	1.5	25
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	Combination of Cadmium and High Cholesterol Levels as a Risk Factor for Heart Fibrosis. Toxicological Sciences, 2015, 145, 360-371.	3.1	20
24	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
25	Extracellular matrix in ascending aortic aneurysms and dissections â€“ What we learn from decellularization and scanning electron microscopy. PLoS ONE, 2019, 14, e0213794.	2.5	20
26	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. Atherosclerosis, 2018, 271, 111-119.	0.8	18
27	Bicuspid aortic valve-associated aortopathy: Where do we stand?. Journal of Molecular and Cellular Cardiology, 2019, 133, 76-85.	1.9	18
28	Leoligin, the major lignan from Edelweiss, inhibits 3-hydroxy-3-methyl-glutaryl-CoA reductase and reduces cholesterol levels in ApoE â^'/â^' mice. Journal of Molecular and Cellular Cardiology, 2016, 99, 35-46.	1.9	16
29	Intravenous Heme Arginate Induces HO-1 (Heme Oxygenase-1) in the Human Heart. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2755-2762.	2.4	14
30	Early inhibition of endothelial retinoid uptake upon myocardial infarction restores cardiac function and prevents cell, tissue, and animal death. Journal of Molecular and Cellular Cardiology, 2019, 126, 105-117.	1.9	14
31	Long interspersed element-1 ribonucleoprotein particles protect telomeric ends in alternative lengthening of telomeres dependent cells. Neoplasia, 2020, 22, 61-75.	5.3	13
32	S-nitroso human serum albumin as a nitric oxide donor in drug-eluting vascular grafts: Biofunctionality and preclinical evaluation. Acta Biomaterialia, 2021, 134, 276-288.	8.3	13
33	Telocytes in the human ascending aorta: Characterization and exosomeâ€related KLFâ€4/VEGFâ€A expression. Journal of Cellular and Molecular Medicine, 2021, 25, 9697-9709.	3.6	13
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	Strong Signs for a Weak Wall in Tricuspid Aortic Valve Associated Aneurysms and a Role for Osteopontin in Bicuspid Aortic Valve Associated Aneurysms. International Journal of Molecular Sciences, 2019, 20, 4782.	4.1	11
36	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

#	Article	IF	Citations
37	Tylophorine reduces protein biosynthesis and rapidly decreases cyclin D1, inhibiting vascular smooth muscle cell proliferation in vitro and in organ culture. Phytomedicine, 2019, 60, 152938.	5.3	9
38	The Role of Telocytes and Telocyte-Derived Exosomes in the Development of Thoracic Aortic Aneurysm. International Journal of Molecular Sciences, 2022, 23, 4730.	4.1	9
39	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
40	Letter to the editor regarding â€œIn vitro flow investigations in the aortic arch during cardiopulmonary bypass with stereo-PIVâ€• Journal of Biomechanics, 2016, 49, 1-2.	2.1	8
41	A Novel Endothelial Damage Inhibitor Reduces Oxidative Stress and Improves Cellular Integrity in Radial Artery Grafts for Coronary Artery Bypass. Frontiers in Cardiovascular Medicine, 2021, 8, 736503.	2.4	8
42	Dietary Silicon Deficiency Does Not Exacerbate Diet-Induced Fatty Lesions in Female ApoE Knockout Micece. Journal of Nutrition, 2015, 145, 1498-1506.	2.9	6
43	To Be Or Not to Be: the â€œSmokerâ€™s Paradoxâ€•â€“ An in-Vitro Study. Cellular Physiology and Biochemistry, 2018, 48, 1638-1651.	1.6	3
44	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
45	Erratum to â€œDynamics of heat shock protein 60 in endothelial cells exposed to cigarette smoke extractâ€•[J. Mol. Cell. Cardiol. 51 (2011) 777â€“780]. Journal of Molecular and Cellular Cardiology, 2012, 52, 293.	1.9	0
46	Reply to: â€œThe senescence of vascular smooth muscle cells in BAV-associated aortopathyâ€• Atherosclerosis, 2018, 278, 319-320.	0.8	0
47	In Vitro Assays Used to Analyse Vascular CellÂFunctions. Learning Materials in Biosciences, 2019, , 329-353.	0.4	0