

David Bernhard

List of Publications by Year in descending order

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82
papers

4,629
citations

126907

33
h-index

102487

66
g-index

86
all docs

86
docs citations

86
times ranked

7867
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-entry-barrier point-of-care testing of anti-SARS-CoV-2 IgG in the population of Upper Austria from December 2020 until April 2021â€”a feasible surveillance strategy for post-pandemic monitoring?. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3291-3299.	3.7	0
2	Prevalence of RT-qPCR-detected SARS-CoV-2 infection at schools: First results from the Austrian School-SARS-CoV-2 prospective cohort study. <i>Lancet Regional Health - Europe</i> , The, 2021, 5, 100086.	5.6	33
3	Sensitivity and specificity of the antigen-based anterior nasal self-testing programme for detecting SARS-CoV-2 infection in schools, Austria, March 2021. <i>Eurosurveillance</i> , 2021, 26, .	7.0	7
4	A yellow chlorophyll catabolite in leaves of <i>Urtica dioica</i> L.: An overlooked phytochemical that contributes to health benefits of stinging nettle. <i>Food Chemistry</i> , 2021, 359, 129906.	8.2	15
5	Performance evaluation of serological assays to determine the immunoglobulin status in SARS-CoV-2 infected patients. <i>Journal of Clinical Virology</i> , 2020, 131, 104589.	3.1	11
6	The Inhibitory Role of miR-486-5p on CSC Phenotype Has Diagnostic and Prognostic Potential in Colorectal Cancer. <i>Cancers</i> , 2020, 12, 3432.	3.7	14
7	HPLC-MS/MS Shows That the Cellular Uptake of All-Trans-Retinoic Acid under Hypoxia Is Downregulated by the Novel Active Agent 5-Methoxyeoligin. <i>Cells</i> , 2020, 9, 2048.	4.1	3
8	An Inexpensive Staining Alternative for Gelatin Zymography Gels. <i>Methods and Protocols</i> , 2019, 2, 61.	2.0	6
9	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
10	In Vitro Assays Used to Analyse Vascular Cell Functions. <i>Learning Materials in Biosciences</i> , 2019, , 329-353.	0.4	0
11	Bicuspid aortic valve-associated aortopathy: Where do we stand?. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 133, 76-85.	1.9	18
12	Improved matrix coating for positive- and negative-ion-mode MALDI-TOF imaging of lipids in blood vessel tissues. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3221-3227.	3.7	16
13	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
14	Chemical imaging and assessment of cadmium distribution in the human body. <i>Metallomics</i> , 2019, 11, 2010-2019.	2.4	58
15	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
16	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
17	Reply to: â€œThe senescence of vascular smooth muscle cells in BAV-associated aortopathyâ€. <i>Atherosclerosis</i> , 2018, 278, 319-320.	0.8	0
18	To Be Or Not to Be: the â€œSmokerâ€™s Paradoxâ€â€” An in-Vitro Study. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 1638-1651.	1.6	3

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19	Human Macrophages Preferentially Infiltrate the Superficial Adipose Tissue. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1404.	4.1	18
20	The megaaortic syndrome: Progression of ascending aortic aneurysm or a disease of distinct origin?. <i>International Journal of Cardiology</i> , 2017, 227, 717-726.	1.7	2
21	Metabolomic profiling of ascending thoracic aortic aneurysms and dissections - Implications for pathophysiology and biomarker discovery. <i>PLoS ONE</i> , 2017, 12, e0176727.	2.5	24
22	Drugs from nature targeting inflammation (DNTI): a successful Austrian interdisciplinary network project. <i>Monatshefte für Chemie</i> , 2016, 147, 479-491.	1.8	22
23	Leoligin, the major lignan from Edelweiss, inhibits 3-hydroxy-3-methyl-glutaryl-CoA reductase and reduces cholesterol levels in ApoE Δ/Δ mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 99, 35-46.	1.9	16
24	Impaired Endothelial Nitric Oxide Synthase Homodimer Formation Triggers Development of Transplant Vasculopathy - Insights from a Murine Aortic Transplantation Model. <i>Scientific Reports</i> , 2016, 6, 37917.	3.3	8
25	Cadmium overkill: autophagy, apoptosis and necrosis signalling in endothelial cells exposed to cadmium. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 1699-1713.	5.4	71
26	Letter to the editor regarding in vitro flow investigations in the aortic arch during cardiopulmonary bypass with stereo-PIV. <i>Journal of Biomechanics</i> , 2016, 49, 1-2.	2.1	8
27	Vapours of US and EU Market Leader Electronic Cigarette Brands and Liquids Are Cytotoxic for Human Vascular Endothelial Cells. <i>PLoS ONE</i> , 2016, 11, e0157337.	2.5	85
28	Influence of the delivery modus on subpopulations and replication of lymphocytes in mothers and newborns. <i>Early Human Development</i> , 2015, 91, 663-670.	1.8	15
29	Dietary Silicon Deficiency Does Not Exacerbate Diet-Induced Fatty Lesions in Female ApoE Knockout Mice. <i>Journal of Nutrition</i> , 2015, 145, 1498-1506.	2.9	6
30	Combination of Cadmium and High Cholesterol Levels as a Risk Factor for Heart Fibrosis. <i>Toxicological Sciences</i> , 2015, 145, 360-371.	3.1	20
31	Smoking and Cardiovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 509-515.	2.4	752
32	Maternal cigarette smoking and its effect on neonatal lymphocyte subpopulations and replication. <i>BMC Pediatrics</i> , 2013, 13, 57.	1.7	19
33	Healing characteristics of electrospun polyurethane grafts with various porosities. <i>Acta Biomaterialia</i> , 2013, 9, 6032-6040.	8.3	101
34	The biology behind the atherothrombotic effects of cigarette smoke. <i>Nature Reviews Cardiology</i> , 2013, 10, 219-230.	13.7	254
35	Serum concentration of integrin-linked kinase in malignant pleural mesothelioma and after asbestos exposure. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 43, 940-945.	1.4	8
36	5-Methoxyleoligin, a Lignan from Edelweiss, Stimulates CYP26B1-Dependent Angiogenesis In Vitro and Induces Arteriogenesis in Infarcted Rat Hearts In Vivo. <i>PLoS ONE</i> , 2013, 8, e58342.	2.5	11

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37	Characteristics of TAV- and BAV-associated thoracic aortic aneurysms—Smooth muscle cell biology, expression profiling, and histological analyses. <i>Atherosclerosis</i> , 2012, 220, 355-361.	0.8	62
38	Erratum to “Dynamics of heat shock protein 60 in endothelial cells exposed to cigarette smoke extract” [J. Mol. Cell. Cardiol. 51 (2011) 777–780]. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 293.	1.9	0
39	Cadmium activates a programmed, lysosomal membrane permeabilization-dependent necrosis pathway. <i>Toxicology Letters</i> , 2012, 212, 268-275.	0.8	46
40	The Combined Use of Known Antiviral Reverse Transcriptase Inhibitors AZT and DDI Induce Anticancer Effects at Low Concentrations. <i>Neoplasia</i> , 2012, 14, 44-53.	5.3	22
41	Inhibition of cell surface expression of endothelial adhesion molecules by ursolic acid prevents intimal hyperplasia of venous bypass grafts in rats. <i>European Journal of Cardio-thoracic Surgery</i> , 2012, 42, 878-884.	1.4	11
42	Elastomeric degradable biomaterials by photopolymerization-based CAD-CAM for vascular tissue engineering. <i>Biomedical Materials (Bristol)</i> , 2011, 6, 055003.	3.3	51
43	Cannabinoids lead to enhanced virulence of the smallpox vaccine (vaccinia) virus. <i>Immunobiology</i> , 2011, 216, 670-677.	1.9	17
44	Identification and pharmacological characterization of the anti-inflammatory principal of the leaves of dwarf elder (<i>Sambucus ebulus</i> L.). <i>Journal of Ethnopharmacology</i> , 2011, 133, 704-709.	4.1	43
45	Dynamics of heat shock protein 60 in endothelial cells exposed to cigarette smoke extract. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 51, 777-780.	1.9	25
46	Ursolic acid causes DNA-damage, P53-mediated, mitochondria- and caspase-dependent human endothelial cell apoptosis, and accelerates atherosclerotic plaque formation in vivo. <i>Atherosclerosis</i> , 2011, 219, 402-408.	0.8	45
47	Leoligin, the major lignan from Edelweiss, activates cholesteryl ester transfer protein. <i>Atherosclerosis</i> , 2011, 219, 109-115.	0.8	35
48	Non-Toxic Cadmium Concentrations Induce Vascular Inflammation and Promote Atherosclerosis. <i>Circulation Journal</i> , 2011, 75, 2491-2495.	1.6	92
49	Detection of integrin-linked kinase in the serum of patients with malignant pleural mesothelioma. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 142, 384-389.	0.8	15
50	Cigarette smoke extract induces prolonged endoplasmic reticulum stress and autophagic cell death in human umbilical vein endothelial cells. <i>Cardiovascular Research</i> , 2011, 92, 141-148.	3.8	83
51	Cadmium and cardiovascular diseases: cell biology, pathophysiology, and epidemiological relevance. <i>BioMetals</i> , 2010, 23, 811-822.	4.1	154
52	The Elderly Patient and Cardiac Surgery – A Mini-Review. <i>Gerontology</i> , 2010, 56, 241-249.	2.8	32
53	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. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1733-1740.	2.4	34
54	Chronic cadmium exposure induces transcriptional activation of the Wnt pathway and upregulation of epithelial-to-mesenchymal transition markers in mouse kidney. <i>Toxicology Letters</i> , 2010, 198, 69-76.	0.8	54

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55	Smoking-Induced Oxidative Stress in the Pathogenesis of Cardiovascular Diseases. , 2010, , 231-243.		0
56	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
57	Cardiovascular Risk Factors and Atherosclerosis in Young Women. Stroke, 2009, 40, 1063-1069.	2.0	84
58	Leoligin, the major lignan from Edelweiss, inhibits intimal hyperplasia of venous bypass grafts. Cardiovascular Research, 2009, 82, 542-549.	3.8	38
59	Cigarette smoke is an endothelial stressor and leads to cell cycle arrest. Atherosclerosis, 2008, 201, 298-305.	0.8	28
60	An Evaluation of the Clinical Evidence on the Role of Inflammation and Oxidative Stress in Smoking-Mediated Cardiovascular Disease. Biomarker Insights, 2008, 3, BML5480.	2.5	27
61	Isogentisinâ€”A novel compound for the prevention of smoking-caused endothelial injury. Atherosclerosis, 2007, 194, 317-325.	0.8	32
62	Expression of granzyme A in human polymorphonuclear neutrophils. Immunology, 2007, 121, 166-173.	4.4	14
63	Cigarette smoke â€” an aging accelerator?. Experimental Gerontology, 2007, 42, 160-165.	2.8	129
64	Increased Serum Cadmium and Strontium Levels in Young Smokers. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 833-838.	2.4	96
65	Hydrogen peroxide-mediated necrosis induction in HUVECs is associated with an atypical pattern of caspase-3 cleavage. Experimental Cell Research, 2006, 312, 1753-1764.	2.6	20
66	Atherosclerosis: Autoimmunity to Heat-Shock Proteins. , 2006, , 889-897.		3
67	Metals in cigarette smoke. IUBMB Life, 2005, 57, 805-809.	3.4	234
68	Cigarette smoke metalâ€”catalyzed protein oxidation leads to vascular endothelial cell contraction by depolymerization of microtubules. FASEB Journal, 2005, 19, 1096-1107.	0.5	110
69	Apoptosis induced by the Tibetan herbal remedy PADMA 28 in the T cell-derived lymphocytic leukaemia cell line CEM-C7H2. Journal of Carcinogenesis, 2005, 4, 15.	2.5	25
70	CXCR4 chemokine receptors, histone deacetylase inhibitors and acute lymphoblastic leukemia. Leukemia and Lymphoma, 2005, 46, 1545-1551.	1.3	20
71	Development and evaluation of an in vitro model for the analysis of cigarette smoke effects on cultured cells and tissues. Journal of Pharmacological and Toxicological Methods, 2004, 50, 45-51.	0.7	60
72	Disruption of vascular endothelial homeostasis by tobacco smokeâ€”impact on atherosclerosis. FASEB Journal, 2003, 17, 2302-2304.	0.5	84

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73	Enhanced MTT-reducing activity under growth inhibition by resveratrol in CEM-C7H2 lymphocytic leukemia cells. <i>Cancer Letters</i> , 2003, 195, 193-199.	7.2	122
74	Suberoylanilide hydroxamic acid (SAHA) overcomes multidrug resistance and induces cell death in P-glycoprotein-expressing cells. <i>International Journal of Cancer</i> , 2002, 99, 292-298.	5.1	72
75	Histone deacetylase inhibitors potently repress CXCR4 chemokine receptor expression and function in acute lymphoblastic leukaemia. <i>British Journal of Haematology</i> , 2002, 119, 965-969.	2.5	39
76	Replicative senescence of human endothelial cells in vitro involves G1 arrest, polyploidization and senescence-associated apoptosis. <i>Experimental Gerontology</i> , 2001, 36, 1327-1347.	2.8	187
77	Resveratrol, a tumor-suppressive compound from grapes, induces apoptosis via a novel mitochondrial pathway controlled by Bcl-2. <i>FASEB Journal</i> , 2001, 15, 1613-1615.	0.5	175
78	Gene expression profiles of proliferating vs. G1/G0 arrested human leukemia cells suggest a mechanism for glucocorticoid-induced apoptosis. <i>FASEB Journal</i> , 2001, 15, 693-699.	0.5	93
79	Apoptosis induced by the histone deacetylase inhibitor sodium butyrate in human leukemic lymphoblasts. <i>FASEB Journal</i> , 1999, 13, 1991-2001.	0.5	117
80	Interaction between dexamethasone and butyrate in apoptosis induction: non-additive in thymocytes and synergistic in a T cell-derived leukemia cell line. <i>Cell Death and Differentiation</i> , 1999, 6, 609-617.	11.2	14
81	c-Myc does not prevent glucocorticoid-induced apoptosis of human leukemic lymphoblasts. <i>Oncogene</i> , 1999, 18, 4626-4631.	5.9	24
82	p53-induced apoptosis in the human T-ALL cell line CCRF-CEM. <i>Oncogene</i> , 1997, 15, 2429-2437.	5.9	36