Dietrich Busselberg

List of Publications by Year in Descending Order

141 papers	5,542 citations	38 h-index	68 g-index
152 ext. papers	7,115 ext. citations	5.3 avg, IF	6.35 L-index

#	Paper	IF	Citations
141	COVID-19 Vaccines and Hyperglycemia-Is There a Need for Postvaccination Surveillance?. *Vaccines*, **2022**, 10,	5.3	2
140	Anti-breast cancer effects of phytochemicals: primary, secondary, and tertiary care.. *EPMA Journal*, **2022**, 1-20	8.8	2
139	Flavonoids against non-physiologic inflammation attributed to cancer initiation, development, and progression-3PM pathways.. *EPMA Journal*, **2021**, 12, 559-587	8.8	5
138	Homocysteine metabolism as the target for predictive medical approach, disease prevention, prognosis, and treatments tailored to the person. *EPMA Journal*, **2021**, 12, 1-29	8.8	4
137	Promising Antiviral Activities of Natural Flavonoids against SARS-CoV-2 Targets: Systematic Review. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	8
136	Mitochondrial impairments in aetiopathology of multifactorial diseases: common origin but individual outcomes in context of 3P medicine. *EPMA Journal*, **2021**, 12, 1-14	8.8	19
135	Flavonoids as an effective sensitizer for anti-cancer therapy: insights into multi-faceted mechanisms and applicability towards individualized patient profiles. *EPMA Journal*, **2021**, 12, 1-22	8.8	17
134	Natural Compounds in Glioblastoma Therapy: Preclinical Insights, Mechanistic Pathways, and Outlook. *Cancers*, **2021**, 13,	6.6	6
133	The interplay between the vaginal microbiome and innate immunity in the focus of predictive, preventive, and personalized medical approach to combat HPV-induced cervical cancer. *EPMA Journal*, **2021**, 12, 199-220	8.8	4
132	Flavonoids against the SARS-CoV-2 induced inflammatory storm. *Biomedicine and Pharmacotherapy*, **2021**, 138, 111430	7.5	46
131	Diabetes and coronavirus (SARS-CoV-2): Molecular mechanism of Metformin intervention and the scientific basis of drug repurposing. *PLoS Pathogens*, **2021**, 17, e1009634	7.6	13
130	Metabolic Anti-Cancer Effects of Melatonin: Clinically Relevant Prospects. *Cancers*, **2021**, 13,	6.6	4
129	Micro-RNA: The darkhorse of cancer. *Cellular Signalling*, **2021**, 83, 109995	4.9	4
128	Health implication of vitamin D on the cardiovascular and the renal system. *Archives of Physiology and Biochemistry*, **2021**, 127, 195-209	2.2	10
127	Flavonoids Targeting HIF-1: Implications on Cancer Metabolism. *Cancers*, **2021**, 13,	6.6	16
126	Resveratrol's Anti-Cancer Effects through the Modulation of Tumor Glucose Metabolism. *Cancers*, **2021**, 13,	6.6	19
125	Flavonoids Alleviate Peripheral Neuropathy Induced by Anticancer Drugs. *Cancers*, **2021**, 13,	6.6	6

124	Protective Effects of Flavonoids Against Mitochondriopathies and Associated Pathologies: Focus on the Predictive Approach and Personalized Prevention. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	11
123	Targeting phytoprotection in the COVID-19-induced lung damage and associated systemic effects-the evidence-based 3PM proposition to mitigate individual risks. *EPMA Journal*, **2021**, 12, 1-23	8.8	4
122	Caution, "normal" BMI: health risks associated with potentially masked individual underweight-EPMA Position Paper 2021. *EPMA Journal*, **2021**, 12, 1-22	8.8	23
121	Enzymatic Metabolism of Flavonoids by Gut Microbiota and Its Impact on Gastrointestinal Cancer. *Cancers*, **2021**, 13,	6.6	7
120	Therapeutic Potential of Metformin in COVID-19: Reasoning for Its Protective Role. *Trends in Microbiology*, **2021**, 29, 894-907	12.4	20
119	Flavonoids Synergistically Enhance the Anti-Glioblastoma Effects of Chemotherapeutic Drugs.. *Biomolecules*, **2021**, 11,	5.9	6
118	Cold Atmospheric Pressure Plasma (CAP) as a New Tool for the Management of Vulva Cancer and Vulvar Premalignant Lesions in Gynaecological Oncology. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
117	Curcumin's Beneficial Effects on Neuroblastoma: Mechanisms, Challenges, and Potential Solutions. *Biomolecules*, **2020**, 10,	5.9	23
116	Genoprotective activities of plant natural substances in cancer and chemopreventive strategies in the context of 3P medicine. *EPMA Journal*, **2020**, 11, 261-287	8.8	34
115	Flavonoids in Cancer Metastasis. *Cancers*, **2020**, 12,	6.6	56
114	Calcium Entry through TRPV1: A Potential Target for the Regulation of Proliferation and Apoptosis in Cancerous and Healthy Cells. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	18
113	Chemopreventive and Therapeutic Efficacy of L. Bark in Experimental Breast Carcinoma: Mechanistic In Vivo and In Vitro Analyses. *Molecules*, **2020**, 25,	4.8	21
112	Therapeutic Potential of Plant Phenolic Acids in the Treatment of Cancer. *Biomolecules*, **2020**, 10,	5.9	77
111	Combination Therapy with Vitamin C Could Eradicate Cancer Stem Cells. *Biomolecules*, **2020**, 10,	5.9	13
110	The Plant-Derived Compound Resveratrol in Brain Cancer: A Review. *Biomolecules*, **2020**, 10,	5.9	38
109	Achillea spp.: A comprehensive review on its ethnobotany, phytochemistry, phytopharmacology and industrial applications. *Cellular and Molecular Biology*, **2020**, 66, 78	1.1	7
108	Anti-Angiogenic Effects of Phytochemicals on miRNA Regulating Breast Cancer Progression. *Biomolecules*, **2020**, 10,	5.9	28
107	L. (Sumac) Demonstrates Oncostatic Activity in the Therapeutic and Preventive Model of Breast Carcinoma. *International Journal of Molecular Sciences*, **2020**, 22,	6.3	15

106	Bacteriophage Treatment: Critical Evaluation of Its Application on World Health Organization Priority Pathogens. *Viruses*, **2020**, 13,	6.2	4
105	Dietary phytochemicals as the potential protectors against carcinogenesis and their role in cancer chemoprevention. *Clinical and Experimental Medicine*, **2020**, 20, 173-190	4.9	16
104	Phytochemicals and Gastrointestinal Cancer: Cellular Mechanisms and Effects to Change Cancer Progression. *Biomolecules*, **2020**, 10,	5.9	35
103	Anticancer Potential of LichensSSecondary Metabolites. *Biomolecules*, **2020**, 10,	5.9	38
102	The role of plant-derived natural substances as immunomodulatory agents in carcinogenesis. *Journal of Cancer Research and Clinical Oncology*, **2020**, 146, 3137-3154	4.9	11
101	Cisplatin's dual-effect on the circadian clock triggers proliferation and apoptosis. *Neurobiology of Sleep and Circadian Rhythms*, **2020**, 9, 100054	2.9	3
100	Flavonoids against the Warburg phenotype-concepts of predictive, preventive and personalised medicine to cut the Gordian knot of cancer cell metabolism. *EPMA Journal*, **2020**, 11, 377-398	8.8	54
99	Counteracting Chemoresistance with Metformin in Breast Cancers: Targeting Cancer Stem Cells. *Cancers*, **2020**, 12,	6.6	10
98	Carotenoids in Cancer Apoptosis-The Road and Back. *Cancers*, **2020**, 12,	6.6	28
97	Implications of flavonoids as potential modulators of cancer neovascularity. *Journal of Cancer Research and Clinical Oncology*, **2020**, 146, 3079-3096	4.9	18
96	Targeting Glucose Metabolism to Overcome Resistance to Anticancer Chemotherapy in Breast Cancer. *Cancers*, **2020**, 12,	6.6	46
95	Carotenoids in Cancer Metastasis-Status Quo and Outlook. *Biomolecules*, **2020**, 10,	5.9	12
94	Achillea spp.: A comprehensive review on its ethnobotany, phytochemistry, phytopharmacology and industrial applications. *Cellular and Molecular Biology*, **2020**, 66, 78-103	1.1	
93	Flavonoids and Their Anti-Diabetic Effects: Cellular Mechanisms and Effects to Improve Blood Sugar Levels. *Biomolecules*, **2019**, 9,	5.9	126
92	Droplet digital PCR revealed high concordance between primary tumors and lymph node metastases in multiplex screening of KRAS mutations in colorectal cancer. *Clinical and Experimental Medicine*, **2019**, 19, 219-224	4.9	14
91	The role of dietary phytochemicals in the carcinogenesis via the modulation of miRNA expression. *Journal of Cancer Research and Clinical Oncology*, **2019**, 145, 1665-1679	4.9	28
90	Anti-Cancer Agents in Proliferation and Cell Death: The Calcium Connection. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	55
89	Why the Gold Standard Approach by Mammography Demands Extension by Multiomics? Application of Liquid Biopsy miRNA Profiles to Breast Cancer Disease Management. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	30

88	Controlling metastatic cancer: the role of phytochemicals in cell signaling. *Journal of Cancer Research and Clinical Oncology*, **2019**, 145, 1087-1109	4.9	25
87	Dietary Phytochemicals Targeting Cancer Stem Cells. *Molecules*, **2019**, 24,	4.8	46
86	Anticancer Activities of L. in Experimental Breast Carcinoma in Vivo and in Vitro. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	37
85	DNA Methylation Status in Cancer Disease: Modulations by Plant-Derived Natural Compounds and Dietary Interventions. *Biomolecules*, **2019**, 9,	5.9	30
84	Treatment with a Combination of Metformin and 2-Deoxyglucose Upregulates Thrombospondin-1 in Microvascular Endothelial Cells: Implications in Anti-Angiogenic Cancer Therapy. *Cancers*, **2019**, 11,	6.6	18
83	Fluctuations of Histone Chemical Modifications in Breast, Prostate, and Colorectal Cancer: An Implication of Phytochemicals as Defenders of Chromatin Equilibrium. *Biomolecules*, **2019**, 9,	5.9	11
82	Paclitaxel's Mechanistic and Clinical Effects on Breast Cancer. *Biomolecules*, **2019**, 9,	5.9	99
81	Metformin: The Answer to Cancer in a Flower? Current Knowledge and Future Prospects of Metformin as an Anti-Cancer Agent in Breast Cancer. *Biomolecules*, **2019**, 9,	5.9	40
80	High Glucose Represses the Anti-Proliferative and Pro-Apoptotic Effect of Metformin in Triple Negative Breast Cancer Cells. *Biomolecules*, **2019**, 9,	5.9	28
79	Adipokines in neurovascular diseases. *Biomedicine and Pharmacotherapy*, **2018**, 98, 424-432	7.5	27
78	Melatonin and breast cancer: Evidences from preclinical and human studies. *Critical Reviews in Oncology/Hematology*, **2018**, 122, 133-143	7	50
77	Chemotherapeutic agents for the treatment of metastatic breast cancer: An update. *Biomedicine and Pharmacotherapy*, **2018**, 101, 458-477	7.5	76
76	MicroRNA-15a expression measured in urine samples as a potential biomarker of renal cell carcinoma. *International Urology and Nephrology*, **2018**, 50, 851-859	2.3	26
75	Nitric oxide in the pathophysiology of retinopathy: evidences from preclinical and clinical researches. *Acta Ophthalmologica*, **2018**, 96, 222-231	3.7	37
74	Differential Expression and Pathway Analysis in Drug-Resistant Triple-Negative Breast Cancer Cell Lines Using RNASeq Analysis. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	17
73	Challenges and perspectives in the treatment of diabetes associated breast cancer. *Cancer Treatment Reviews*, **2018**, 70, 98-111	14.4	46
72	Flavonoids in Cancer and Apoptosis. *Cancers*, **2018**, 11,	6.6	258
71	Plant natural modulators in breast cancer prevention: status quo and future perspectives reinforced by predictive, preventive, and personalized medical approach. *EPMA Journal*, **2018**, 9, 403-419	8.8	32

70	Triptolide Decreases Cell Proliferation and Induces Cell Death in Triple Negative MDA-MB-231 Breast Cancer Cells. *Biomolecules*, **2018**, 8,	5.9	13
69	The "Yin and Yang" of Natural Compounds in Anticancer Therapy of Triple-Negative Breast Cancers. *Cancers*, **2018**, 10,	6.6	53
68	Oregano demonstrates distinct tumour-suppressive effects in the breast carcinoma model. *European Journal of Nutrition*, **2017**, 56, 1303-1316	5.2	37
67	Glucose Metabolism in Cancer and Ischemia: Possible Therapeutic Consequences of the Warburg Effect. *Nutrition and Cancer*, **2017**, 69, 177-183	2.8	10
66	Overcoming chemotherapy drug resistance by targeting inhibitors of apoptosis proteins (IAPs). *Apoptosis: an International Journal on Programmed Cell Death*, **2017**, 22, 898-919	5.4	145
65	Chili pepper as a body weight-loss food. *International Journal of Food Sciences and Nutrition*, **2017**, 68, 392-401	3.7	33
64	Antineoplastic effects of clove buds (Syzygium aromaticum L.) in the model of breast carcinoma. *Journal of Cellular and Molecular Medicine*, **2017**, 21, 2837-2851	5.6	48
63	Immunomodulatory effects of stem cells: Therapeutic option for neurodegenerative disorders. *Biomedicine and Pharmacotherapy*, **2017**, 91, 60-69	7.5	14
62	Angiomodulators in cancer therapy: New perspectives. *Biomedicine and Pharmacotherapy*, **2017**, 89, 578-590	7.5	12
61	Targeting Intracellular Calcium Signaling ([Ca]) to Overcome Acquired Multidrug Resistance of Cancer Cells: A Mini-Overview. *Cancers*, **2017**, 9,	6.6	32
60	Therapeutical strategies for anxiety and anxiety-like disorders using plant-derived natural compounds and plant extracts. *Biomedicine and Pharmacotherapy*, **2017**, 95, 437-446	7.5	19
59	Alamandine reverses hyperhomocysteinemia-induced vascular dysfunction via PKA-dependent mechanisms. *Cardiovascular Therapeutics*, **2017**, 35, e12306	3.3	20
58	Are plant-based functional foods better choice against cancer than single phytochemicals? A critical review of current breast cancer research. *Biomedicine and Pharmacotherapy*, **2017**, 96, 1465-1477	7.5	67
57	Calcium-regulatory proteins as modulators of chemotherapy in human neuroblastoma. *Oncotarget*, **2017**, 8, 22876-22893	3.3	23
56	TRPV currents and their role in the nociception and neuroplasticity. *Neuropeptides*, **2016**, 57, 1-8	3.3	11
55	Osteoporosis: An under-recognized public health problem. *Journal of Local and Global Health Science*, **2016**, 2016,		25
54	The known and missing links between Toxoplasma gondii and schizophrenia. *Metabolic Brain Disease*, **2016**, 31, 749-59	3.9	37
53	Creatine and creatine pyruvate reduce hypoxia-induced effects on phrenic nerve activity in the juvenile mouse respiratory system. *Experimental and Molecular Pathology*, **2016**, 101, 157-62	4.4	6

52	Exploring the Mechanisms of Gastrointestinal Cancer Development Using Deep Sequencing Analysis. *Cancers*, **2015**, 7, 1037-51	6.6	6
51	The role of intracellular calcium for the development and treatment of neuroblastoma. *Cancers*, **2015**, 7, 823-48	6.6	17
50	Recent updates on metal compounds in our environment and their implications on human health **2015**, 2015, 4		
49	Cisplatin (CDDP) triggers cell death of MCF-7 cells following disruption of intracellular calcium ([Ca(2+)]i) homeostasis. *Journal of Toxicological Sciences*, **2014**, 39, 765-74	1.9	30
48	Auranofin, an anti-rheumatic gold compound, modulates apoptosis by elevating the intracellular calcium concentration ([ca2+]I) in mcf-7 breast cancer cells. *Cancers*, **2014**, 6, 2243-58	6.6	25
47	Effects of glycinergic inhibition failure on respiratory rhythm and pattern generation. *Progress in Brain Research*, **2014**, 209, 25-38	2.9	17
46	Disruption of circadian rhythm increases the risk of cancer, metabolic syndrome and cardiovascular disease. *Journal of Local and Global Health Science*, **2013**, 2013,		19
45	The two opposite facets of arsenic: toxic and anticancer drug. *Journal of Local and Global Health Science*, **2013**, 2013,		6
44	Breast cancer and possible mechanisms of therapy resistance. *Journal of Local and Global Health Science*, **2013**, 2013,		8
43	Lead (Pb2+) neurotoxicity: Ion-mimicry with calcium (Ca2+) impairs synaptic transmission. A review with animated illustrations of the pre- and post-synaptic effects of lead. *Journal of Local and Global Health Science*, **2013**, 2013,		8
42	Metals and disease. *Journal of Toxicology*, **2012**, 2012, 825354	3.1	4
41	Metal toxicity at the synapse: presynaptic, postsynaptic, and long-term effects. *Journal of Toxicology*, **2012**, 2012, 132671	3.1	61
40	Cisplatin as an anti-tumor drug: cellular mechanisms of activity, drug resistance and induced side effects. *Cancers*, **2011**, 3, 1351-71	6.6	1004
39	Additive inhibitory effects of calcitonin and capsaicin on voltage activated calcium channel currents in nociceptive neurones of rat. *Brain Research Bulletin*, **2011**, 85, 75-80	3.9	7
38	Metals and breast cancer: risk factors or healing agents?. *Journal of Toxicology*, **2011**, 2011, 159619	3.1	27
37	Myricetin reduces voltage activated potassium channel currents in DRG neurons by a p38 dependent mechanism. *Brain Research Bulletin*, **2010**, 83, 292-6	3.9	15
36	Metal toxicity at the synapse: presynaptic, postsynaptic and long-term effects. *Qatar Foundation Annual Research Forum Proceedings*, **2010**, BMPS1		
35	Anti-allodynic effect of the flavonoid myricetin in a rat model of neuropathic pain: Involvement of p38 and protein kinase C mediated modulation of Ca□+ channels. *European Journal of Pain*, **2010**, 14, 992-8	3.7	32

34	Heat-induced action potential discharges in nociceptive primary sensory neurons of rats. *Journal of Neurophysiology*, **2009**, 102, 424-36	3.2	9
33	Co-application of arsenic trioxide (As2O3) and cisplatin (CDDP) on human SY-5Y neuroblastoma cells has differential effects on the intracellular calcium concentration ([Ca2+]i) and cytotoxicity. *NeuroToxicology*, **2009**, 30, 194-202	4.4	31
32	Anti-cancer drugs interfere with intracellular calcium signaling. *NeuroToxicology*, **2009**, 30, 803-10	4.4	66
31	Arsenic trioxide in environmentally and clinically relevant concentrations interacts with calcium homeostasis and induces cell type specific cell death in tumor and non-tumor cells. *Toxicology Letters*, **2008**, 179, 34-42	4.4	37
30	TNF-alpha differentially modulates ion channels of nociceptive neurons. *Neuroscience Letters*, **2008**, 434, 293-8	3.3	113
29	SnCl(2) reduces voltage-activated calcium channel currents of dorsal root ganglion neurons of rats. *NeuroToxicology*, **2008**, 29, 958-63	4.4	6
28	IP(3) receptor antagonist, 2-APB, attenuates cisplatin induced Ca2+-influx in HeLa-S3 cells and prevents activation of calpain and induction of apoptosis. *British Journal of Pharmacology*, **2007**, 151, 1176-86	8.6	60
27	Modulation of intracellular calcium influences capsaicin-induced currents of TRPV-1 and voltage-activated channel currents in nociceptive neurones. *Journal of the Peripheral Nervous System*, **2007**, 12, 277-84	4.7	8
26	Arsenic trioxide (As2O3) induced calcium signals and cytotoxicity in two human cell lines: SY-5Y neuroblastoma and 293 embryonic kidney (HEK). *Toxicology and Applied Pharmacology*, **2007**, 220, 292-301	4.6	73
25	Cisplatin modulates voltage gated channel currents of dorsal root ganglion neurons of rats. *NeuroToxicology*, **2007**, 28, 49-58	4.4	44
24	Occurrence, use and potential toxic effects of metals and metal compounds. *BioMetals*, **2006**, 19, 419-27	3.4	198
23	Modulation of intracellular calcium homeostasis by trimethyltin chloride in human tumour cells: neuroblastoma SY5Y and cervix adenocarcinoma HeLa S3. *Toxicology*, **2005**, 216, 1-8	4.4	28
22	Modulation of voltage-gated channel currents by harmaline and harmane. *British Journal of Pharmacology*, **2005**, 144, 52-8	8.6	41
21	Elevated Ca2+(i) transients induced by trimethyltin chloride in HeLa cells: types and levels of response. *Cell Calcium*, **2005**, 37, 251-8	4	29
20	Capsaicin differentially modulates voltage-activated calcium channel currents in dorsal root ganglion neurones of rats. *Brain Research*, **2005**, 1062, 74-85	3.7	44
19	Reorganisation of respiratory network activity after loss of glycinergic inhibition. *Pflugers Archiv European Journal of Physiology*, **2001**, 441, 444-9	4.6	75
18	The respiratory rhythm in mutant oscillator mice. *Neuroscience Letters*, **2001**, 316, 99-102	3.3	27
17	Inactivation and tachyphylaxis of heat-evoked inward currents in nociceptive primary sensory neurones of rats. *Journal of Physiology*, **2000**, 528, 539-49	3.9	36

16	Respiratory Rhythm Generation: Plasticity of a Neuronal Network. *Neuroscientist*, **2000**, 6, 181-198	7.6	21
15	Inhibition of rapid heat responses in nociceptive primary sensory neurons of rats by vanilloid receptor antagonists. *Journal of Neurophysiology*, **1999**, 82, 2853-60	3.2	67
14	Voltage-activated calcium channel currents of rat dorsal root ganglion cells are reduced by trimethyl lead. *Toxicology Letters*, **1997**, 92, 117-22	4.4	7
13	Coexpression of heat-evoked and capsaicin-evoked inward currents in acutely dissociated rat dorsal root ganglion neurons. *Neuroscience Letters*, **1997**, 231, 33-6	3.3	73
12	Methyl mercury reduces voltage-activated currents of rat dorsal root ganglion neurons. *Naunyn-Schmiedebergs Archives of Pharmacology*, **1996**, 354, 532-8	3.4	23
11	Aluminum impairs hippocampal long-term potentiation in rats in vitro and in vivo. *Experimental Neurology*, **1995**, 134, 73-86	5.7	59
10	Calcium channels as target sites of heavy metals. *Toxicology Letters*, **1995**, 82-83, 255-61	4.4	66
9	Mammalian voltage-activated calcium channel currents are blocked by Pb2+, Zn2+, and Al3+. *Journal of Neurophysiology*, **1994**, 71, 1491-7	3.2	114
8	Aluminium reduces glutamate-activated currents of rat hippocampal neurones. *NeuroReport*, **1994**, 5, 2329-32	1.7	37
7	Extracellular pH modulates aluminium-blockade of mammalian voltage-activated calcium channel currents. *NeuroReport*, **1993**, 4, 1251-4	1.7	19
6	Zinc (Zn2+) blocks voltage gated calcium channels in cultured rat dorsal root ganglion cells. *Brain Research*, **1992**, 593, 77-81	3.7	72
5	Pb2+ blocks calcium currents of cultured dorsal root ganglion cells. *Neuroscience Letters*, **1991**, 129, 103-6	3.3	52
4	Lead and zinc block a voltage-activated calcium channel of Aplysia neurons. *Journal of Neurophysiology*, **1991**, 65, 786-95	3.2	62
3	Lead inhibits the voltage-activated calcium current of Aplysia neurons. *Toxicology Letters*, **1990**, 51, 51-7	4.4	22
2	EFFECTS OF EXOGENOUS LIPID APPLICATION ON EXCITABILITY OF APLYSIA NEURONS . *Biomedical Research*, **1990**, 11, 77-86	1.5	1
1	Effects of exogenous ganglioside and cholesterol application on excitability of Aplysia neurons. *Membrane Biochemistry*, **1989**, 8, 19-26		5