

Barbara Kofler

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

135
papers

3,752
citations

34
h-index

56
g-index

140
ext. papers

4,490
ext. citations

4.9
avg, IF

5.27
L-index

#	Paper	IF	Citations
135	The galanin peptide family: receptor pharmacology, pleiotropic biological actions, and implications in health and disease 2007 , 115, 177-207		273
134	Physiology, signaling, and pharmacology of galanin peptides and receptors: three decades of emerging diversity. <i>Pharmacological Reviews</i> , 2015 , 67, 118-75	22.5	200
133	No evidence for a shift in pyruvate kinase PKM1 to PKM2 expression during tumorigenesis. <i>Oncotarget</i> , 2011 , 2, 393-400	3.3	190
132	Loss of complex I due to mitochondrial DNA mutations in renal oncocytoma. <i>Clinical Cancer Research</i> , 2008 , 14, 2270-5	12.9	131
131	Decrease of mitochondrial DNA content and energy metabolism in renal cell carcinoma. <i>Carcinogenesis</i> , 2004 , 25, 1005-10	4.6	121
130	Inhibition of Neuroblastoma Tumor Growth by Ketogenic Diet and/or Calorie Restriction in a CD1-Nu Mouse Model. <i>PLoS ONE</i> , 2015 , 10, e0129802	3.7	112
129	Ketogenic diet in the treatment of cancer - Where do we stand?. <i>Molecular Metabolism</i> , 2020 , 33, 102-128.8		108
128	Mitochondria: The ketogenic diet--A metabolism-based therapy. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 63, 55-9	5.6	91
127	A ketogenic diet supplemented with medium-chain triglycerides enhances the anti-tumor and anti-angiogenic efficacy of chemotherapy on neuroblastoma xenografts in a CD1-nu mouse model. <i>Oncotarget</i> , 2017 , 8, 64728-64744	3.3	87
126	Mitochondrial DNA haplogroup T is associated with coronary artery disease and diabetic retinopathy: a case control study. <i>BMC Medical Genetics</i> , 2009 , 10, 35	2.1	73
125	Severe depletion of mitochondrial DNA in spinal muscular atrophy. <i>Acta Neuropathologica</i> , 2003 , 105, 245-51	14.3	65
124	Hypothalamic-pituitary-thyroid axis hormones stimulate mitochondrial function and biogenesis in human hair follicles. <i>Journal of Investigative Dermatology</i> , 2014 , 134, 33-42	4.3	61
123	New aspects on the structure of neutrophil extracellular traps from chronic obstructive pulmonary disease and in vitro generation. <i>PLoS ONE</i> , 2014 , 9, e97784	3.7	59
122	Galanin receptor subtype GalR2 mediates apoptosis in SH-SY5Y neuroblastoma cells. <i>Endocrinology</i> , 2004 , 145, 500-7	4.8	58
121	Low aerobic mitochondrial energy metabolism in poorly- or undifferentiated neuroblastoma. <i>BMC Cancer</i> , 2010 , 10, 149	4.8	57
120	Mitochondrial dysfunction: a neglected component of skin diseases. <i>Experimental Dermatology</i> , 2014 , 23, 607-14	4	56
119	Alterations of oxidative phosphorylation complexes in astrocytomas. <i>Glia</i> , 2014 , 62, 514-25	9	55

118	Gangliocytes in neuroblastic tumors express alarin, a novel peptide derived by differential splicing of the galanin-like peptide gene. <i>Journal of Molecular Neuroscience</i> , 2006 , 29, 145-52	3-3	54
117	The mitochondrial T16189C polymorphism is associated with coronary artery disease in Middle European populations. <i>PLoS ONE</i> , 2011 , 6, e16455	3-7	53
116	GAL3 receptor KO mice exhibit an anxiety-like phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 7138-43	11.5	52
115	Alarin is a vasoactive peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 10217-22	11.5	52
114	The galanin peptide family in inflammation. <i>Neuropeptides</i> , 2011 , 45, 1-8	3-3	51
113	Pharmacological and functional characterization of galanin-like peptide fragments as potent galanin receptor agonists. <i>Neuropeptides</i> , 2005 , 39, 179-84	3-3	51
112	Expression of neuropeptide galanin and galanin receptors in human skin. <i>Journal of Investigative Dermatology</i> , 2004 , 122, 1050-3	4-3	49
111	Gram type-specific broad-range PCR amplification for rapid detection of 62 pathogenic bacteria. <i>Journal of Clinical Microbiology</i> , 1999 , 37, 464-6	9-7	49
110	A compound heterozygous one amino-acid insertion/nonsense mutation in the plectin gene causes epidermolysis bullosa simplex with plectin deficiency. <i>American Journal of Pathology</i> , 2001 , 158, 617-25	5.8	46
109	Mitochondrial haplogroups and control region polymorphisms in age-related macular degeneration: a case-control study. <i>PLoS ONE</i> , 2012 , 7, e30874	3-7	45
108	Functional differences between mitochondrial haplogroup T and haplogroup H in HEK293 cybrid cells. <i>PLoS ONE</i> , 2012 , 7, e52367	3-7	43
107	Rapid screening of the entire mitochondrial DNA for low-level heteroplasmic mutations. <i>Mitochondrion</i> , 2005 , 5, 282-96	4-9	43
106	Galanin and galanin receptors in human cancers. <i>Neuropeptides</i> , 2005 , 39, 353-9	3-3	42
105	Alarin stimulates food intake in male rats and LH secretion in castrated male rats. <i>Neuropeptides</i> , 2010 , 44, 333-40	3-3	36
104	Galanin-like peptides exert potent vasoactive functions in vivo. <i>Journal of Investigative Dermatology</i> , 2007 , 127, 716-21	4-3	36
103	Structural organization of the mouse and human GALR1 galanin receptor genes (Galnr and GALNR) and chromosomal localization of the mouse gene. <i>Genomics</i> , 1997 , 45, 496-508	4-3	35
102	Mitochondrial haplogroups, control region polymorphisms and malignant melanoma: a study in middle European Caucasians. <i>PLoS ONE</i> , 2011 , 6, e27192	3-7	34
101	Characterization of the 5Rflanking region of the human preprogalanin gene. <i>DNA and Cell Biology</i> , 1995 , 14, 321-9	3.6	34

100	Energy metabolism in neuroblastoma and Wilms tumor. <i>Translational Pediatrics</i> , 2015 , 4, 20-32	4.2	34
99	Respiratory chain complex I is a mitochondrial tumor suppressor of oncocytic tumors. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 315-25	1.6	33
98	Inducing cancer indolence by targeting mitochondrial Complex I is potentiated by blocking macrophage-mediated adaptive responses. <i>Nature Communications</i> , 2019 , 10, 903	17.4	31
97	Photodynamic Effect of Methylene Blue and Low Level Laser Radiation in Head and Neck Squamous Cell Carcinoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	31
96	Elevated expression of galanin receptors in childhood neuroblastic tumors. <i>Neuroendocrinology</i> , 2002 , 75, 130-8	5.6	31
95	Distribution of alarin immunoreactivity in the mouse brain. <i>Journal of Molecular Neuroscience</i> , 2012 , 46, 18-32	3.3	26
94	Mitochondrial haplogroups and control region polymorphisms are not associated with prostate cancer in Middle European Caucasians. <i>PLoS ONE</i> , 2009 , 4, e6370	3.7	25
93	Effects of alarin on food intake, body weight and luteinizing hormone secretion in male mice. <i>Neuropeptides</i> , 2012 , 46, 99-104	3.3	24
92	Galanin and galanin receptors in human gliomas. <i>Acta Neuropathologica</i> , 2003 , 105, 555-60	14.3	23
91	The neuropeptide galanin modulates natural killer cell function. <i>Neuropeptides</i> , 2017 , 64, 109-115	3.3	22
90	Common mitochondrial polymorphisms as risk factor for endometrial cancer. <i>International Archive of Medicine</i> , 2009 , 2, 33		22
89	Targeted disruption of the galanin gene attenuates inflammatory responses in murine skin. <i>Journal of Molecular Neuroscience</i> , 2008 , 34, 149-55	3.3	22
88	Pyruvate kinase is a dosage-dependent regulator of cellular amino acid homeostasis. <i>Oncotarget</i> , 2012 , 3, 1356-69	3.3	21
87	Galanin family of peptides in skin function. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 1820-5	10.3	20
86	Multiplex primer extension analysis for rapid detection of major European mitochondrial haplogroups. <i>Electrophoresis</i> , 2006 , 27, 3864-8	3.6	20
85	Poor storage and handling of tissue mimics mitochondrial DNA depletion. <i>Diagnostic Molecular Pathology</i> , 2001 , 10, 55-9		20
84	Combination of metronomic cyclophosphamide and dietary intervention inhibits neuroblastoma growth in a CD1-nu mouse model. <i>Oncotarget</i> , 2016 , 7, 17060-73	3.3	20
83	Mitochondrial Haplogroup T Is Associated with Obesity in Austrian Juveniles and Adults. <i>PLoS ONE</i> , 2015 , 10, e0135622	3.7	19

82	The galanin system in cancer. <i>Exs</i> , 2010 , 102, 223-41		19
81	Peptide YY-2 (PYY2) and pancreatic polypeptide-2 (PPY2): species-specific evolution of novel members of the neuropeptide Y gene family. <i>Genomics</i> , 2000 , 64, 318-23	4.3	19
80	Thyroid Hormones Enhance Mitochondrial Function in Human Epidermis. <i>Journal of Investigative Dermatology</i> , 2016 , 136, 2003-2012	4.3	18
79	Loss of mitochondria in ganglioneuromas. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 179-86	1.6	18
78	Galanin modulates human and murine neutrophil activation in vitro. <i>Acta Physiologica</i> , 2015 , 213, 595-603	3.6	17
77	Lack of Galanin Receptor 3 Alleviates Psoriasis by Altering Vascularization, Immune Cell Infiltration, and Cytokine Expression. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 199-207	4.3	17
76	Galanin message-associated peptide suppresses growth and the budded-to-hyphal-form transition of <i>Candida albicans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 4167-70	5.9	17
75	The single nucleotide polymorphism Gly482Ser in the PGC-1 α gene impairs exercise-induced slow-twitch muscle fibre transformation in humans. <i>PLoS ONE</i> , 2015 , 10, e0123881	3.7	17
74	Mitochondrial genotype and breast cancer predisposition. <i>Oncology Reports</i> , 2010 , 24, 1521-34	3.5	16
73	Melanoma tumors exhibit a variable but distinct metabolic signature. <i>Experimental Dermatology</i> , 2018 , 27, 204-207	4	16
72	Sensitivity of tumor surface brushings to detect human papilloma virus DNA in head and neck cancer. <i>Oral Oncology</i> , 2017 , 67, 103-108	4.4	15
71	Galanin is a potent modulator of cytokine and chemokine expression in human macrophages. <i>Scientific Reports</i> , 2019 , 9, 7237	4.9	14
70	Ala-galanin (2-11) is a GALR specific galanin analogue. <i>Neuropeptides</i> , 2016 , 60, 75-82	3.3	14
69	Heterogeneity of mitochondrial energy metabolism in classical triphasic Wilms tumor. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 187-93	1.6	14
68	Activation of chloride secretion via proteinase-activated receptor 2 in a human eccrine sweat gland cell line--NCL-SG3. <i>Experimental Dermatology</i> , 2008 , 17, 505-11	4	14
67	Targeting Mitochondria in Melanoma. <i>Biomolecules</i> , 2020 , 10,	5.9	14
66	Alarin 6-25Cys antagonizes alarin-specific effects on food intake and luteinizing hormone secretion. <i>Neuropeptides</i> , 2013 , 47, 37-41	3.3	13
65	Evidence that the modulatory effect of galanin on inflammatory edema formation is mediated by the galanin receptor 3 in the murine microvasculature. <i>Journal of Molecular Neuroscience</i> , 2009 , 37, 177-81	3.3	13

64	Galanin is a modulator of eccrine sweat gland secretion. <i>Experimental Dermatology</i> , 2013 , 22, 141-3	4	12
63	Effects of galanin message-associated peptide and neuropeptide Y against various non-albicans <i>Candida</i> strains. <i>International Journal of Antimicrobial Agents</i> , 2011 , 38, 76-80	14.3	12
62	Alterations of respiratory chain complexes in sporadic pheochromocytoma. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 194-200	1.6	12
61	Influence of the regulatory peptide galanin on cytokine expression in human monocytes. <i>Annals of the New York Academy of Sciences</i> , 2019 , 1455, 185-195	6.5	11
60	Lack of Galanin 3 Receptor Aggravates Murine Autoimmune Arthritis. <i>Journal of Molecular Neuroscience</i> , 2016 , 59, 260-9	3.3	11
59	Untargeted Metabolomics Reveals Molecular Effects of Ketogenic Diet on Healthy and Tumor Xenograft Mouse Models. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	11
58	Oxidative Phosphorylation System in Gastric Carcinomas and Gastritis. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 1320241	6.7	11
57	PAR-2 receptor-induced effects on human eccrine sweat gland cells. <i>Journal of Medical Investigation</i> , 2009 , 56 Suppl, 371-4	1.2	11
56	Biphasic response to human galanin of extracellular acidification in human Bowes melanoma cells. <i>European Journal of Pharmacology</i> , 2001 , 423, 135-41	5.3	11
55	The ketogenic diet is not feasible as a therapy in a CD-1 nu/nu mouse model of renal cell carcinoma with features of Stauffer's syndrome. <i>Oncotarget</i> , 2017 , 8, 57201-57215	3.3	11
54	Distribution of galanin receptors in the human eye. <i>Experimental Eye Research</i> , 2015 , 138, 42-51	3.7	10
53	From old to new - Repurposing drugs to target mitochondrial energy metabolism in cancer. <i>Seminars in Cell and Developmental Biology</i> , 2020 , 98, 211-223	7.5	10
52	Reduced Levels of ATP Synthase Subunit ATP5F1A Correlate with Earlier-Onset Prostate Cancer. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 1347174	6.7	10
51	Persistent Head and Neck Cancer Following First-Line Treatment. <i>Cancers</i> , 2018 , 10,	6.6	10
50	Distribution of the regulatory peptide alarin in the eye of various species. <i>Experimental Eye Research</i> , 2013 , 106, 74-81	3.7	9
49	Effects of alpha-melanocyte-stimulating hormone on mitochondrial energy metabolism in rats of different age-groups. <i>Neuropeptides</i> , 2017 , 64, 123-130	3.3	9
48	Thermoregulatory effect of alarin, a new member of the galanin peptide family. <i>Temperature</i> , 2014 , 1, 51-6	5.2	9
47	Simplified PCR set-up using a frozen preformulated mix for the detection of cytomegalovirus. <i>Diagnostic Microbiology and Infectious Disease</i> , 1999 , 34, 33-5	2.9	9

46	Alterations of oxidative phosphorylation in meningiomas and peripheral nerve sheath tumors. <i>Neuro-Oncology</i> , 2016 , 18, 184-94	1	8
45	Acute central effects of alarin on the regulation on energy homeostasis. <i>Neuropeptides</i> , 2017 , 64, 117-123	3.3	8
44	Sudomotor function and sweat gland innervation in galanin knockout mice. <i>Neuropeptides</i> , 2012 , 46, 151-5	3.3	8
43	Validation of antibody-based tools for galanin research. <i>Peptides</i> , 2019 , 120, 170009	3.8	7
42	Changes in the expression of oxidative phosphorylation complexes in the aging intestinal mucosa. <i>Experimental Gerontology</i> , 2020 , 135, 110924	4.5	6
41	Deficiency of respiratory chain complex I in Hashimoto thyroiditis. <i>Mitochondrion</i> , 2016 , 26, 1-6	4.9	6
40	Reduction of nuclear encoded enzymes of mitochondrial energy metabolism in cells devoid of mitochondrial DNA. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 417, 1052-7	3.4	6
39	125I-labeled galanin binding sites in congenital innervation defects of the distal colon. <i>Acta Neuropathologica</i> , 2003 , 105, 43-8	14.3	6
38	Pharmacological stimulation of GAL1R but not GAL2R attenuates kainic acid-induced neuronal cell death in the rat hippocampus. <i>Neuropeptides</i> , 2016 , 58, 83-92	3.3	6
37	In vitro toxicity of the galanin receptor 3 antagonist SNAP 37889. <i>Neuropeptides</i> , 2016 , 56, 83-8	3.3	6
36	Post-Treatment HPV Surface Brushings and Risk of Relapse in Oropharyngeal Carcinoma. <i>Cancers</i> , 2020 , 12,	6.6	5
35	Lithium and Not Acetoacetate Influences the Growth of Cells Treated with Lithium Acetoacetate. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
34	Anti-Candida activity of alpha-melanocyte-stimulating hormone (alpha-MSH) peptides. <i>Journal of Leukocyte Biology</i> , 2009 , 85, 371-2; author reply 373	6.5	5
33	Distribution of the neuro-regulatory peptide galanin in the human eye. <i>Neuropeptides</i> , 2017 , 64, 85-93	3.3	4
32	Expression of alarin in ependymoma and choroid plexus tumors. <i>Journal of Neuro-Oncology</i> , 2013 , 114, 165-71	4.8	4
31	Profiling of Mitochondrial DNA Heteroplasmy in a Prospective Oral Squamous Cell Carcinoma Study. <i>Cancers</i> , 2020 , 12,	6.6	4
30	Age-Related Deterioration of Mitochondrial Function in the Intestine. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 4898217	6.7	4
29	Effects of galanin receptor 2 and receptor 3 knockout in mouse models of acute seizures. <i>Epilepsia</i> , 2018 , 59, e166-e171	6.4	4

28	Metabolic reprogramming related to whole-chromosome instability in models for Hct116 cell carcinoma. <i>Scientific Reports</i> , 2020 , 10, 9578	4.9	3
27	Galanin System in Human Glioma and Pituitary Adenoma. <i>Frontiers in Endocrinology</i> , 2020 , 11, 155	5.7	3
26	17 β -Hydroxysteroid dehydrogenase type 10 predicts survival of patients with colorectal cancer and affects mitochondrial DNA content. <i>Cancer Letters</i> , 2016 , 374, 149-155	9.9	3
25	GAL receptor knockout mice exhibit an alcohol-preferring phenotype. <i>Addiction Biology</i> , 2019 , 24, 886-897	7.6	3
24	Contribution of the galanin system to inflammation. <i>SpringerPlus</i> , 2015 , 4, L57		3
23	Epigenetic and metabolic regulation of epidermal homeostasis. <i>Experimental Dermatology</i> , 2021 , 30, 1009-1022	4	3
22	Involvement of Neuropeptide Galanin Receptors 2 and 3 in Learning, Memory and Anxiety in Aging Mice. <i>Molecules</i> , 2021 , 26,	4.8	3
21	Galanin 3 receptor-deficient mice show no alteration in the oxazolone-induced contact dermatitis phenotype. <i>Experimental Dermatology</i> , 2016 , 25, 725-7	4	3
20	The Influence of Ketogenic Diets on Psoriasiform-Like Skin Inflammation. <i>Journal of Investigative Dermatology</i> , 2020 , 140, 707-710.e7	4.3	3
19	Targeted Metabolomics Identifies Plasma Biomarkers in Mice with Metabolically Heterogeneous Melanoma Xenografts. <i>Cancers</i> , 2021 , 13,	6.6	3
18	Low VDAC1 Expression Is Associated with an Aggressive Phenotype and Reduced Overall Patient Survival in Cholangiocellular Carcinoma. <i>Cells</i> , 2019 , 8,	7.9	2
17	Nasal Floor Asymmetry Is Associated With Nasal Obstruction. <i>Journal of Oral and Maxillofacial Surgery</i> , 2020 , 78, 1833.e1-1833.e9	1.8	2
16	Peculiarities and pitfalls of quantifying mitochondrial energy metabolism in the skin. <i>Experimental Dermatology</i> , 2016 , 25, 101-2	4	2
15	Alterations of Oxidative Phosphorylation Complexes in Papillary Thyroid Carcinoma. <i>Cells</i> , 2018 , 7,	7.9	2
14	Alarin in cranial autonomic ganglia of human and rat. <i>Experimental Eye Research</i> , 2015 , 131, 63-8	3.7	2
13	Does low-level laser therapy affect the survival of patients with head and neck cancer?. <i>Lasers in Medical Science</i> , 2021 , 36, 599-604	3.1	2
12	Hyperspectral imaging as a diagnostic tool to differentiate between amalgam tattoos and other dark pigmented intraoral lesions. <i>Journal of Biophotonics</i> , 2021 , 14, e202000424	3.1	2
11	Galanin receptor 3 attenuates inflammation and influences the gut microbiota in an experimental murine colitis model. <i>Scientific Reports</i> , 2021 , 11, 564	4.9	2

10	The Role of HPV and Non-HPV Sexually Transmitted Infections in Patients with Oropharyngeal Carcinoma: A Case Control Study. <i>Cancers</i> , 2020 , 12,	6.6	1
9	UV irradiation-induced inflammation, what is the trigger?. <i>Experimental Dermatology</i> , 2015 , 24, 916-7	4	1
8	Molecular mediators of polymicrobial sepsis. <i>Frontiers in Bioscience - Elite</i> , 2012 , 4, 2584-604	1.6	1
7	Intranasal Delivery of a Methyllanthionine-Stabilized Galanin Receptor-2-Selective Agonist Reduces Acute Food Intake. <i>Neurotherapeutics</i> , 2021 , 1	6.4	1
6	HPV-Induced Oropharyngeal Cancer and the Role of the E7 Oncoprotein Detection via Brush Test. <i>Cancers</i> , 2020 , 12,	6.6	1
5	Alarin in different human intestinal epithelial cell types. <i>Histochemistry and Cell Biology</i> , 2019 , 151, 513-520	5.2	1
4	Implementation of a Low-Carbohydrate Diet Improves the Quality of Life of Cancer Patients - An Online Survey. <i>Frontiers in Nutrition</i> , 2021 , 8, 661253	6.2	1
3	Response evaluation of cervical lymph nodes after chemoradiation in patients with head and neck cancer - does additional [18F]FDG-PET-CT help?. <i>Cancer Imaging</i> , 2020 , 20, 69	5.6	0
2	Expression of Oxidative Phosphorylation Complexes and Mitochondrial Mass in Pediatric and Adult Inflammatory Bowel Disease.. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 9151169	6.7	0
1	Energy Metabolism and Metabolic Targeting of Neuroblastoma 2019 , 113-132		