

# Balázs István T<sup>3</sup>th

## List of Publications by Year in descending order

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72  
papers

3,266  
citations

147566

31  
h-index

149479

56  
g-index

73  
all docs

73  
docs citations

73  
times ranked

3794  
citing authors

#	ARTICLE	IF	CITATIONS
1	The endocannabinoid system of the skin in health and disease: novel perspectives and therapeutic opportunities. <i>Trends in Pharmacological Sciences</i> , 2009, 30, 411-420.	4.0	207
2	Cannabidiol exerts sebostatic and antiinflammatory effects on human sebocytes. <i>Journal of Clinical Investigation</i> , 2014, 124, 3713-3724.	3.9	199
3	A Hot New Twist to Hair Biology. <i>American Journal of Pathology</i> , 2005, 166, 985-998.	1.9	179
4	Apical basal inhomogeneity in distribution of ion channels in canine and human ventricular myocardium. <i>Cardiovascular Research</i> , 2005, 65, 851-860.	1.8	149
5	Endocannabinoids enhance lipid synthesis and apoptosis of human sebocytes via cannabinoid receptor-mediated signaling. <i>FASEB Journal</i> , 2008, 22, 3685-3695.	0.2	125
6	Asymmetrical distribution of ion channels in canine and human left-ventricular wall: epicardium versus midmyocardium. <i>Pflügers Archiv European Journal of Physiology</i> , 2005, 450, 307-316.	1.3	118
7	Investigation of micronized titanium dioxide penetration in human skin xenografts and its effect on cellular functions of human skin-derived cells. <i>Experimental Dermatology</i> , 2008, 17, 659-667.	1.4	117
8	Endocannabinoids limit excessive mast cell maturation and activation in human skin. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 129, 726-738.e8.	1.5	114
9	Endocannabinoids Modulate Human Epidermal Keratinocyte Proliferation and Survival via the Sequential Engagement of Cannabinoid Receptor-1 and Transient Receptor Potential Vanilloid-1. <i>Journal of Investigative Dermatology</i> , 2011, 131, 1095-1104.	0.3	102
10	Activation of Transient Receptor Potential Vanilloid-3 Inhibits Human Hair Growth. <i>Journal of Investigative Dermatology</i> , 2011, 131, 1605-1614.	0.3	101
11	Inhibition of human hair follicle growth by endo- and exocannabinoids. <i>FASEB Journal</i> , 2007, 21, 3534-3541.	0.2	98
12	TRP channels in the skin. <i>British Journal of Pharmacology</i> , 2014, 171, 2568-2581.	2.7	97
13	Increased expressions of cannabinoid receptor-1 and transient receptor potential vanilloid-1 in human prostate carcinoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2009, 135, 507-514.	1.2	94
14	TRP channels as novel players in the pathogenesis and therapy of itch. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2007, 1772, 1004-1021.	1.8	89
15	Opening of an alternative ion permeation pathway in a nociceptor TRP channel. <i>Nature Chemical Biology</i> , 2014, 10, 188-195.	3.9	86
16	A Meeting of Two Chronobiological Systems: Circadian Proteins Period1 and BMAL1 Modulate the Human Hair Cycle Clock. <i>Journal of Investigative Dermatology</i> , 2014, 134, 610-619.	0.3	84
17	PPAR $\beta$ -Mediated and Arachidonic Acid-Dependent Signaling Is Involved in Differentiation and Lipid Production of Human Sebocytes. <i>Journal of Investigative Dermatology</i> , 2014, 134, 910-920.	0.3	77
18	Transient Receptor Potential Vanilloid-1 Signaling as a Regulator of Human Sebocyte Biology. <i>Journal of Investigative Dermatology</i> , 2009, 129, 329-339.	0.3	76

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19	Transient receptor potential vanilloid $\alpha$ 1 signaling inhibits differentiation and activation of human dendritic cells. <i>FEBS Letters</i> , 2009, 583, 1619-1624.	1.3	71
20	Effects of sex hormones on ECG parameters and expression of cardiac ion channels in dogs. <i>Acta Physiologica</i> , 2006, 188, 163-171.	1.8	70
21	Increased expression of TRPV1 in squamous cell carcinoma of the human tongue. <i>Oral Diseases</i> , 2009, 15, 328-335.	1.5	63
22	Prolactin $\alpha$ a novel neuroendocrine regulator of human keratin expression <i>in situ</i> . <i>FASEB Journal</i> , 2010, 24, 1768-1779.	0.2	63
23	Restoration of Progranulin Expression Rescues Cortical Neuron Generation in an Induced Pluripotent Stem Cell Model of Frontotemporal Dementia. <i>Stem Cell Reports</i> , 2015, 4, 16-24.	2.3	62
24	Regulation of the transient receptor potential channel TRPM3 by phosphoinositides. <i>Journal of General Physiology</i> , 2015, 146, 51-63.	0.9	62
25	Sebocytes <sup>TM</sup> make up $\alpha$ Novel mechanisms and concepts in the physiology of the human sebaceous glands. <i>Pflugers Archiv European Journal of Physiology</i> , 2011, 461, 593-606.	1.3	59
26	A novel control of human keratin expression: cannabinoid receptor 1-mediated signaling down-regulates the expression of keratins K6 and K16 in human keratinocytes <i>in vitro</i> and <i>in situ</i> . <i>PeerJ</i> , 2013, 1, e40.	0.9	59
27	The Analgesic Drug, Tramadol, Acts as an Agonist of the Transient Receptor Potential Vanilloid-1. <i>Anesthesia and Analgesia</i> , 2008, 106, 1890-1896.	1.1	51
28	TRPA1 Acts in a Protective Manner in Imiquimod-Induced Psoriasiform Dermatitis in Mice. <i>Journal of Investigative Dermatology</i> , 2018, 138, 1774-1784.	0.3	51
29	Thyrotropin-Releasing Hormone Controls Mitochondrial Biology in Human Epidermis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 978-986.	1.8	43
30	RasGRP3 Contributes to Formation and Maintenance of the Prostate Cancer Phenotype. <i>Cancer Research</i> , 2010, 70, 7905-7917.	0.4	40
31	Insulin-like growth factor-I-coupled mitogenic signaling in primary cultured human skeletal muscle cells and in C2C12 myoblasts. A central role of protein kinase C $\delta$ . <i>Cellular Signalling</i> , 2006, 18, 1461-1472.	1.7	37
32	Transient receptor potential vanilloid $\alpha$ 2 mediates the effects of transient heat shock on endocytosis of human monocyte $\alpha$ derived dendritic cells. <i>FEBS Letters</i> , 2013, 587, 1440-1445.	1.3	32
33	Recent advances in the endocrinology of the sebaceous gland. <i>Dermato-Endocrinology</i> , 2017, 9, e1361576.	1.9	26
34	Definition of two agonist types at the mammalian cold-activated channel TRPM8. <i>ELife</i> , 2016, 5, .	2.8	25
35	Protein kinase C protects from DNA damage $\alpha$ induced necrotic cell death by inhibiting poly(ADP $\alpha$ ribose) polymerase $\alpha$ 1. <i>FEBS Letters</i> , 2008, 582, 1672-1678.	1.3	23
36	Transient Receptor Potential Channels and Itch: How Deep Should We Scratch?. <i>Handbook of Experimental Pharmacology</i> , 2015, 226, 89-133.	0.9	23

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37	Endocannabinoids Regulate Growth and Survival of Human Eccrine Sweat Gland-Derived Epithelial Cells. <i>Journal of Investigative Dermatology</i> , 2012, 132, 1967-1976.	0.3	22
38	Activation of TRPV3 Inhibits Lipogenesis and Stimulates Production of Inflammatory Mediators in Human Sebocytes-A Putative Contributor to Dry Skin Dermatoses. <i>Journal of Investigative Dermatology</i> , 2019, 139, 250-253.	0.3	22
39	TRPM3 in Brain (Patho)Physiology. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 635659.	1.8	21
40	Early cardiac dysfunction is rescued by upregulation of SERCA2a pump activity in a rat model of metabolic syndrome. <i>Acta Physiologica</i> , 2012, 205, 381-393.	1.8	20
41	The neuropeptide galanin is a novel inhibitor of human hair growth. <i>British Journal of Dermatology</i> , 2012, 167, 10-16.	1.4	18
42	Protein kinase C isoenzymes differentially regulate the differentiation-dependent expression of adhesion molecules in human epidermal keratinocytes. <i>Experimental Dermatology</i> , 2009, 18, 122-129.	1.4	17
43	Protein Kinase C Isoforms Have Differential Roles in the Regulation of Human Sebocyte Biology. <i>Journal of Investigative Dermatology</i> , 2012, 132, 1988-1997.	0.3	17
44	Upregulation of Transient Receptor Potential Vanilloid Type-1 Receptor Expression in Oral Lichen Planus. <i>NeuroImmunoModulation</i> , 2010, 17, 103-108.	0.9	15
45	Protein kinase C- $\beta$ and - $\gamma$ isoenzymes promote arachidonic acid production and proliferation of MonoMac-6 cells. <i>Journal of Molecular Medicine</i> , 2007, 85, 1031-1042.	1.7	13
46	Human podocytes express functional thermosensitive TRPV channels. <i>British Journal of Pharmacology</i> , 2017, 174, 4493-4507.	2.7	13
47	TRP Channels and Pruritus. <i>Open Pain Journal</i> , 2013, 6, 62-80.	0.4	13
48	Hearts of surviving MLP-KO mice show transient changes of intracellular calcium handling. <i>Molecular and Cellular Biochemistry</i> , 2010, 342, 251-260.	1.4	12
49	Pruritus: A Sensory Symptom Generated in Cutaneous Immuno-Neuronal Crosstalk. <i>Frontiers in Pharmacology</i> , 2022, 13, 745658.	1.6	11
50	The in vitro treatment with vitamin D3 is ineffective on the expression of PKC isoenzymes, but decreases further the impaired production of IL-2 in the T lymphocytes of SLE patients. <i>Rheumatology International</i> , 2014, 34, 717-720.	1.5	10
51	The TRPM3 ion channel mediates nociception but not itch evoked by endogenous pruritogenic mediators. <i>Biochemical Pharmacology</i> , 2021, 183, 114310.	2.0	9
52	Differences in purinergic and voltage-dependent signalling during protein kinase C overexpression- and culturing-induced differentiation of C2C12 myoblasts. <i>Journal of Muscle Research and Cell Motility</i> , 2006, 27, 617-630.	0.9	8
53	Synthesis and antiproliferative activity of 6-naphthylpterocarpanes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2148-2162.	1.5	7
54	Different Effects of Bortezomib on the Expressions of Various Protein Kinase C Isoenzymes in T Cells of Patients with Systemic Lupus Erythematosus and in Jurkat Cells. <i>Scandinavian Journal of Immunology</i> , 2012, 75, 243-248.	1.3	6

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55	Volatile anaesthetics inhibit the thermosensitive nociceptor ion channel transient receptor potential melastatin 3 (TRPM3). <i>Biochemical Pharmacology</i> , 2020, 174, 113826.	2.0	6
56	Phosphoinositide regulation of TRPM channels – TRPM3 joins the club!. <i>Channels</i> , 2016, 10, 83-85.	1.5	5
57	Endogenous Factors That Can Influence Skin pH. <i>Current Problems in Dermatology</i> , 2018, 54, 54-63.	0.8	5
58	Synthesis and Cell Growth Inhibitory Activity of Six Non-glycosaminoglycan-type Heparin Analogue Trisaccharides. <i>ChemMedChem</i> , 2021, 16, 1467-1476.	1.6	4
59	Anandamide Concentration-Dependently Modulates Toll-Like Receptor 3 Agonism or UVB-Induced Inflammatory Response of Human Corneal Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7776.	1.8	4
60	Knoevenagel-Cyclization Cascade Reactions of Substituted 5,6-Dihydro-2H-Pyran Derivatives. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 6161-6170.	1.2	4
61	Opioidergic Signaling – A Neglected, Yet Potentially Important Player in Atopic Dermatitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4140.	1.8	4
62	Transient Receptor Potential Dysfunctions in Hereditary Diseases. , 2015, , 13-33.		3
63	Adenosine Promotes Human Hair Growth and Inhibits Catagen Transition In Vitro: Role of the Outer Root Sheath Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2020, 140, 1085-1088.e6.	0.3	3
64	Synthesis and HPLC-ECD Study of Cytostatic Condensed O,N-Heterocycles Obtained from 3-Aminoflavanones. <i>Biomolecules</i> , 2020, 10, 1462.	1.8	2
65	Endocannabinoids regulate human skin mast cell maturation and activation via cannabinoid receptor (CB)-1. <i>Journal of Dermatological Science</i> , 2013, 69, e79.	1.0	0
66	Species-Dependent Effects of Mustard Oil on TRPM8. <i>Biophysical Journal</i> , 2014, 106, 337a.	0.2	0
67	Volatile Anaesthetics Inhibit Thermosensitive TRPM3 Ion Channels. <i>Biophysical Journal</i> , 2018, 114, 642a.	0.2	0
68	639 Regulatory function of TRPV4 on the dermal component of inflammatory skin conditions. <i>Journal of Investigative Dermatology</i> , 2019, 139, S324.	0.3	0
69	401 Pruriceptive role of TRPM3. <i>Journal of Investigative Dermatology</i> , 2019, 139, S283.	0.3	0
70	THU0352 – THE ROLE OF PRURITOGENIC MEDIATORS IN DERMATOMYOSITIS RELATED ITCH. , 2019, , .		0
71	TRPM3 Mediates Pain but Not Itch. <i>Biophysical Journal</i> , 2020, 118, 414a.	0.2	0
72	Role of Epidermal TRP Channels in the Development of Pruritogenic Signals. <i>Biophysical Journal</i> , 2020, 118, 414a.	0.2	0