

# Miroslav Blumenberg

## List of Publications by Citations

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94  
papers

3,799  
citations

36  
h-index

59  
g-index

96  
ext. papers

4,076  
ext. citations

4.2  
avg, IF

5.04  
L-index

#	Paper	IF	Citations
94	Keratins and the keratinocyte activation cycle. <i>Journal of Investigative Dermatology</i> , <b>2001</b> , 116, 633-40	4.3	386
93	Effects of tumor necrosis factor-alpha (TNF alpha) in epidermal keratinocytes revealed using global transcriptional profiling. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 32633-42	5.4	223
92	Epidermal growth factor and transforming growth factor alpha specifically induce the activation- and hyperproliferation-associated keratins 6 and 16. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1993</b> , 90, 6786-90	11.5	162
91	Novel genomic effects of glucocorticoids in epidermal keratinocytes: inhibition of apoptosis, interferon-gamma pathway, and wound healing along with promotion of terminal differentiation. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 4021-34	5.4	146
90	Transforming growth factor-beta and microRNA:mRNA regulatory networks in epithelial plasticity. <i>Cells Tissues Organs</i> , <b>2007</b> , 185, 157-61	2.1	129
89	Rays and arrays: the transcriptional program in the response of human epidermal keratinocytes to UVB illumination. <i>FASEB Journal</i> , <b>2001</b> , 15, 2533-5	0.9	116
88	Epidermal signal transduction and transcription factor activation in activated keratinocytes. <i>Journal of Dermatological Science</i> , <b>1998</b> , 17, 167-81	4.3	112
87	Attenuation of the transforming growth factor beta-signaling pathway in chronic venous ulcers. <i>Molecular Medicine</i> , <b>2010</b> , 16, 92-101	6.2	103
86	Nuclear receptors for retinoic acid and thyroid hormone regulate transcription of keratin genes. <i>Molecular Biology of the Cell</i> , <b>1990</b> , 1, 965-73		93
85	Transcriptional responses of human epidermal keratinocytes to cytokine interleukin-1. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 214, 1-13	7	89
84	Novel mechanism of steroid action in skin through glucocorticoid receptor monomers. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 4328-39	4.8	84
83	Comparison of methods for transfection of human epidermal keratinocytes. <i>Journal of Investigative Dermatology</i> , <b>1991</b> , 97, 969-73	4.3	83
82	Pathway-specific profiling identifies the NF-kappa B-dependent tumor necrosis factor alpha-regulated genes in epidermal keratinocytes. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 18973-80	5.4	79
81	Retinoid-responsive transcriptional changes in epidermal keratinocytes. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 220, 427-439	7	76
80	Inflammatory versus proliferative processes in epidermis. Tumor necrosis factor alpha induces K6b keratin synthesis through a transcriptional complex containing NFkappa B and C/EBPbeta. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 32077-88	5.4	75
79	Interleukin-1 induces transcription of keratin K6 in human epidermal keratinocytes. <i>Journal of Investigative Dermatology</i> , <b>2001</b> , 116, 330-8	4.3	71
78	Inhibition of JNK promotes differentiation of epidermal keratinocytes. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 20530-41	5.4	67

77	Evolution of keratin genes: different protein domains evolve by different pathways. <i>Journal of Molecular Evolution</i> , <b>1987</b> , 24, 319-29	3.1	67
76	A bioengineered living cell construct activates an acute wound healing response in venous leg ulcers. <i>Science Translational Medicine</i> , <b>2017</b> , 9,	17.5	65
75	Novel regulation of keratin gene expression by thyroid hormone and retinoid receptors. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 1416-23	5.4	63
74	Disease-activated transcription factor: allergic reactions in human skin cause nuclear translocation of STAT-91 and induce synthesis of keratin K17. <i>Molecular and Cellular Biology</i> , <b>1994</b> , 14, 4759-69	4.8	60
73	Transcriptional profiling of epidermal keratinocytes: comparison of genes expressed in skin, cultured keratinocytes, and reconstituted epidermis, using large DNA microarrays. <i>Journal of Investigative Dermatology</i> , <b>2003</b> , 121, 1459-68	4.3	59
72	Regulation of epidermal expression of keratin K17 in inflammatory skin diseases. <i>Journal of Investigative Dermatology</i> , <b>1996</b> , 107, 569-75	4.3	58
71	A rapid and simple method for introducing specific mutations into any position of DNA leaving all other positions unaltered. <i>Nucleic Acids Research</i> , <b>1990</b> , 18, 1656	20.1	54
70	Transcriptional control of K5, K6, K14, and K17 keratin genes by AP-1 and NF-kappaB family members. <i>Gene Expression</i> , <b>1997</b> , 6, 361-70	3.4	54
69	Transcriptional profiling defines the roles of ERK and p38 kinases in epidermal keratinocytes. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 215, 292-308	7	52
68	Unique Keratinocyte-Specific Effects of Interferon- $\beta$ that Protect Skin from Viruses, Identified Using Transcriptional Profiling. <i>Antiviral Therapy</i> , <b>2003</b> , 8, 541-554	1.6	48
67	A characteristic subset of psoriasis-associated genes is induced by oncostatin-M in reconstituted epidermis. <i>Journal of Investigative Dermatology</i> , <b>2006</b> , 126, 2647-57	4.3	45
66	Regulation of keratin gene expression: the role of the nuclear receptors for retinoic acid, thyroid hormone, and vitamin D3. <i>Journal of Investigative Dermatology</i> , <b>1992</b> , 98, 42S-49S	4.3	44
65	Specific organization of the negative response elements for retinoic acid and thyroid hormone receptors in keratin gene family. <i>Journal of Investigative Dermatology</i> , <b>1997</b> , 109, 566-72	4.3	41
64	Nuclear proteins involved in transcription of the human K5 keratin gene. <i>Journal of Investigative Dermatology</i> , <b>1992</b> , 99, 206-15	4.3	38
63	Expression of the carcinoma-associated keratin K6 and the role of AP-1 proto-oncoproteins. <i>Gene Expression</i> , <b>1993</b> , 3, 187-99	3.4	38
62	Identification of the retinoic acid and thyroid hormone receptor-responsive element in the human K14 keratin gene. <i>Journal of Investigative Dermatology</i> , <b>1992</b> , 99, 842-7	4.3	37
61	Epithelial-specific keratin gene expression: identification of a 300 base-pair controlling segment. <i>Nucleic Acids Research</i> , <b>1990</b> , 18, 247-53	20.1	37
60	Transcriptional profiling of epidermal differentiation. <i>Physiological Genomics</i> , <b>2006</b> , 27, 65-78	3.6	36

59	Functional comparison of the upstream regulatory DNA sequences of four human epidermal keratin genes. <i>Journal of Investigative Dermatology</i> , <b>1991</b> , 96, 162-7	4.3	36
58	Thyroid hormones and gamma interferon specifically increase K15 keratin gene transcription. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 3168-79	4.8	35
57	Transcriptional regulators of expression of K#16, the disease-associated keratin. <i>DNA and Cell Biology</i> , <b>1993</b> , 12, 911-23	3.6	35
56	Specific and shared targets of ephrin A signaling in epidermal keratinocytes. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 9419-28	5.4	34
55	Transcriptional responses of human epidermal keratinocytes to Oncostatin-M. <i>Cytokine</i> , <b>2005</b> , 31, 305-13	4	32
54	Cellular genomic maps help dissect pathology in human skin disease. <i>Journal of Investigative Dermatology</i> , <b>2008</b> , 128, 606-15	4.3	31
53	Specificity in stress response: epidermal keratinocytes exhibit specialized UV-responsive signal transduction pathways. <i>DNA and Cell Biology</i> , <b>2003</b> , 22, 665-77	3.6	29
52	A cluster of five nuclear proteins regulates keratin gene transcription. <i>Gene Expression</i> , <b>1993</b> , 3, 201-13	3.4	27
51	TGF beta promotes the basal phenotype of epidermal keratinocytes: transcriptional induction of K#5 and K#14 keratin genes. <i>Growth Factors</i> , <b>1995</b> , 12, 87-97	1.6	26
50	Evolution of homologous domains of cytoplasmic intermediate filament proteins and lamins. <i>Molecular Biology and Evolution</i> , <b>1989</b> , 6, 53-65	8.3	25
49	Chromatin structure regulation in transforming growth factor-beta-directed epithelial-mesenchymal transition. <i>Cells Tissues Organs</i> , <b>2007</b> , 185, 162-74	2.1	22
48	Human epidermal keratinocyte: keratinization processes. <i>Exs</i> , <b>1997</b> , 78, 1-29		22
47	Characterization of nuclear protein binding sites in the promoter of keratin K17 gene. <i>DNA and Cell Biology</i> , <b>1996</b> , 15, 65-74	3.6	21
46	Unique keratinocyte-specific effects of interferon-gamma that protect skin from viruses, identified using transcriptional profiling. <i>Antiviral Therapy</i> , <b>2003</b> , 8, 541-54	1.6	21
45	Profiling and metaanalysis of epidermal keratinocytes responses to epidermal growth factor. <i>BMC Genomics</i> , <b>2013</b> , 14, 85	4.5	20
44	SKINOMICS: Transcriptional Profiling in Dermatology and Skin Biology. <i>Current Genomics</i> , <b>2012</b> , 13, 363-8.	8.6	20
43	A 300 bp 5'-upstream sequence of a differentiation-dependent rabbit K3 keratin gene can serve as a keratinocyte-specific promoter. <i>Journal of Cell Science</i> , <b>1993</b> , 105, 303-316	5.3	20
42	The homeoprotein DLX3 and tumor suppressor p53 co-regulate cell cycle progression and squamous tumor growth. <i>Oncogene</i> , <b>2016</b> , 35, 3114-24	9.2	19

41	Codominant regulation of keratin gene expression by cell surface receptors and nuclear receptors. <i>Experimental Cell Research</i> , <b>1996</b> , 224, 96-102	4.2	18
40	Resistin gene polymorphisms are associated with acne and serum lipid levels, providing a potential nexus between lipid metabolism and inflammation. <i>Archives of Dermatological Research</i> , <b>2016</b> , 308, 229-337	3.7	17
39	Disease-activated transcription factor: allergic reactions in human skin cause nuclear translocation of STAT-91 and induce synthesis of keratin K17. <i>Molecular and Cellular Biology</i> , <b>1994</b> , 14, 4759-4769	4.8	17
38	On the role of AP2 in epithelial-specific gene expression. <i>Gene Expression</i> , <b>1993</b> , 3, 307-15	3.4	17
37	Linkage of human keratin genes. <i>Cytogenetic and Genome Research</i> , <b>1986</b> , 42, 65-71	1.9	16
36	Regulation of epidermal keratin expression by retinoic acid and thyroid hormone. <i>Journal of Dermatology</i> , <b>1992</b> , 19, 774-80	1.6	15
35	Targeting downstream transcription factors and epigenetic modifications following Toll-like receptor 7/8 ligation to forestall tissue injury in anti-Ro60 associated heart block. <i>Journal of Autoimmunity</i> , <b>2016</b> , 67, 36-45	15.5	14
34	Delayed skin wound repair in proline-rich protein tyrosine kinase 2 knockout mice. <i>American Journal of Physiology - Cell Physiology</i> , <b>2014</b> , 306, C899-909	5.4	14
33	Cutaneous microbiome studies in the times of affordable sequencing. <i>Journal of Dermatological Science</i> , <b>2014</b> , 75, 82-7	4.3	13
32	Transcriptional profiling defines the effects of nickel in human epidermal keratinocytes. <i>Journal of Cellular Physiology</i> , <b>2008</b> , 217, 686-92	7	13
31	Comprehensive transcriptional profiling of human epidermis, reconstituted epidermal equivalents, and cultured keratinocytes using DNA microarray chips. <i>Methods in Molecular Biology</i> , <b>2010</b> , 585, 193-223	11.4	12
30	DNA microarrays in dermatology and skin biology. <i>OMICS A Journal of Integrative Biology</i> , <b>2006</b> , 10, 243-608	6.8	12
29	Cardiac fibroblast transcriptome analyses support a role for interferogenic, profibrotic, and inflammatory genes in anti-SSA/Ro-associated congenital heart block. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 313, H631-H640	5.2	11
28	Eph-2B, acting as an extracellular ligand, induces differentiation markers in epidermal keratinocytes. <i>Journal of Cellular Physiology</i> , <b>2012</b> , 227, 2330-40	7	11
27	Analysis and meta-analysis of transcriptional profiling in human epidermis. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1195, 61-97	1.4	11
26	Differential transcriptional effects of EGFR inhibitors. <i>PLoS ONE</i> , <b>2014</b> , 9, e102466	3.7	11
25	Skinomics: past, present and future for diagnostic microarray studies in dermatology. <i>Expert Review of Molecular Diagnostics</i> , <b>2013</b> , 13, 885-94	3.8	11
24	Interleukin IL-12 blocks a specific subset of the transcriptional profile responsive to UVB in epidermal keratinocytes. <i>Molecular Immunology</i> , <b>2006</b> , 43, 1933-40	4.3	11

23	Meta-Analysis of Transcriptional Responses to Mastitis-Causing Escherichia coli. <i>PLoS ONE</i> , <b>2016</b> , 11, e0148562	3-7	11
22	Skinomics. <i>Journal of Investigative Dermatology</i> , <b>2005</b> , 124, viii-x	4-3	10
21	Structural and biochemical changes underlying a keratoderma-like phenotype in mice lacking suprabasal AP1 transcription factor function. <i>Cell Death and Disease</i> , <b>2015</b> , 6, e1647	9-8	9
20	Serum response factor controls transcriptional network regulating epidermal function and hair follicle morphogenesis. <i>Journal of Investigative Dermatology</i> , <b>2013</b> , 133, 608-617	4-3	8
19	Nexus between epidermolysis bullosa and transcriptional regulation by thyroid hormone in epidermal keratinocytes. <i>Clinical and Translational Science</i> , <b>2008</b> , 1, 45-9	4-9	8
18	Transcriptional effects of inhibiting epidermal growth factor receptor in keratinocytes. <i>Dermatologica Sinica</i> , <b>2013</b> , 31, 107-119	1-1	7
17	Keratinocyte detachment-differentiation connection revisited, or anoikis-pityriasi nexus redux. <i>PLoS ONE</i> , <b>2014</b> , 9, e100279	3-7	7
16	Keratinocyte p38 loss inhibits Ras-induced tumor formation, while systemic p38 loss enhances skin inflammation in the early phase of chemical carcinogenesis in mouse skin. <i>Molecular Carcinogenesis</i> , <b>2016</b> , 55, 563-74	5	6
15	GENE PROFILING: IMPLICATIONS IN DERMATOLOGY. <i>Expert Review of Dermatology</i> , <b>2007</b> , 2, 763-768		5
14	Introductory Chapter: Transcriptome Analysis <b>2019</b> ,		4
13	Transcriptional Regulation of Keratin Gene Expression <b>2006</b> , 93-109		4
12	Transcriptional changes associated with resistance to inhibitors of epidermal growth factor receptor revealed using metaanalysis. <i>BMC Cancer</i> , <b>2015</b> , 15, 369	4-8	3
11	Vitamin D3, its receptor and regulation of epidermal keratin gene expression. <i>Epithelial Cell Biology</i> , <b>1992</b> , 1, 70-5		2
10	Skinomics, transcriptional profiling approaches to molecular and structural biology of epidermis. <i>Seminars in Cutaneous Medicine and Surgery</i> , <b>2019</b> , 38, E12-E18	1-4	2
9	Association of TNF- $\beta$ polymorphisms (-857, -863 and -1031), TNF- $\beta$ serum level and lipid profile with acne vulgaris. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 6615-6620	4	2
8	Embryonic AP1 Transcription Factor Deficiency Causes a Collodion Baby-Like Phenotype. <i>Journal of Investigative Dermatology</i> , <b>2017</b> , 137, 1868-1877	4-3	1
7	Skinomics: A New Toolbox to Understand Skin Aging <b>2017</b> , 1361-1379		1
6	The effects of mechanical stretch on keratinocytes. <i>Ensho Saisei</i> , <b>2005</b> , 25, 186-191		

- 5 Regulation of CDKN1A expression in keratinocytes by Distal-less 3. *FASEB Journal*, **2008**, 22, 639.1 0.9
- 4 Regulation of cell cycle and differentiation markers by pathogenic, non-pathogenic and opportunistic skin bacteria.. *Saudi Journal of Biological Sciences*, **2022**, 29, 1717-1729 4
- 3 Evolutionary Trees of Intermediate Filament Proteins **1988**, 337-349
- 2 Skinomics: A New Toolbox to Understand Skin Aging **2015**, 1-19
- 1 Innate Immunity in Epidermis **2020**, 237-259