

Michal A Zmijewski

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.

97
papers

5,126
citations

40
h-index

71
g-index

103
ext. papers

6,035
ext. citations

4.2
avg, IF

5.74
L-index

#	Paper	IF	Citations
97	Sensing the environment: regulation of local and global homeostasis by the skin's neuroendocrine system. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2012 , 212, v, vii, 1-115	1.2	372
96	L-tyrosine and L-dihydroxyphenylalanine as hormone-like regulators of melanocyte functions. <i>Pigment Cell and Melanoma Research</i> , 2012 , 25, 14-27	4.5	290
95	Key role of CRF in the skin stress response system. <i>Endocrine Reviews</i> , 2013 , 34, 827-84	27.2	249
94	Steroidogenesis in the skin: implications for local immune functions. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 137, 107-23	5.1	228
93	Melatonin in the skin: synthesis, metabolism and functions. <i>Trends in Endocrinology and Metabolism</i> , 2008 , 19, 17-24	8.8	211
92	How UV Light Touches the Brain and Endocrine System Through Skin, and Why. <i>Endocrinology</i> , 2018 , 159, 1992-2007	4.8	185
91	On the role of melatonin in skin physiology and pathology. <i>Endocrine</i> , 2005 , 27, 137-48		166
90	Corticotropin releasing hormone and the skin. <i>Frontiers in Bioscience - Landmark</i> , 2006 , 11, 2230-48	2.8	124
89	Melatonin: A Cutaneous Perspective on its Production, Metabolism, and Functions. <i>Journal of Investigative Dermatology</i> , 2018 , 138, 490-499	4.3	119
88	Vitiligo pathogenesis: autoimmune disease, genetic defect, excessive reactive oxygen species, calcium imbalance, or what else?. <i>Experimental Dermatology</i> , 2008 , 17, 139-40; discussion 141-60	4	117
87	Melatonin as a major skin protectant: from free radical scavenging to DNA damage repair. <i>Experimental Dermatology</i> , 2008 , 17, 713-30	4	112
86	Products of vitamin D3 or 7-dehydrocholesterol metabolism by cytochrome P450scc show anti-leukemia effects, having low or absent calcemic activity. <i>PLoS ONE</i> , 2010 , 5, e9907	3.7	110
85	CRH functions as a growth factor/cytokine in the skin. <i>Journal of Cellular Physiology</i> , 2006 , 206, 780-91	7	103
84	20-Hydroxycholecalciferol, product of vitamin D3 hydroxylation by P450scc, decreases NF-kappaB activity by increasing IkappaB alpha levels in human keratinocytes. <i>PLoS ONE</i> , 2009 , 4, e5988	3.7	98
83	20-Hydroxyvitamin D3, a product of vitamin D3 hydroxylation by cytochrome P450scc, stimulates keratinocyte differentiation. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 2271-80	4.3	97
82	Thyroid hormones directly alter human hair follicle functions: anagen prolongation and stimulation of both hair matrix keratinocyte proliferation and hair pigmentation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008 , 93, 4381-8	5.6	96
81	Local melatonergic system as the protector of skin integrity. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 17705-32	6.3	94

80	Pathways and products for the metabolism of vitamin D3 by cytochrome P450scc. <i>FEBS Journal</i> , 2008 , 275, 2585-96	5.7	92
79	Melatonin maintains mitochondrial membrane potential and attenuates activation of initiator (casp-9) and effector caspases (casp-3/casp-7) and PARP in UVR-exposed HaCaT keratinocytes. <i>Journal of Pineal Research</i> , 2008 , 44, 397-407	10.4	91
78	Melatonin, mitochondria, and the skin. <i>Cellular and Molecular Life Sciences</i> , 2017 , 74, 3913-3925	10.3	82
77	Vitamin D signaling and melanoma: role of vitamin D and its receptors in melanoma progression and management. <i>Laboratory Investigation</i> , 2017 , 97, 706-724	5.9	76
76	Sequential metabolism of 7-dehydrocholesterol to steroidal 5,7-dienes in adrenal glands and its biological implication in the skin. <i>PLoS ONE</i> , 2009 , 4, e4309	3.7	71
75	Cytochromes p450 and skin cancer: role of local endocrine pathways. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2014 , 14, 77-96	2.2	70
74	Human female hair follicles are a direct, nonclassical target for thyroid-stimulating hormone. <i>Journal of Investigative Dermatology</i> , 2009 , 129, 1126-39	4.3	70
73	Regulated proenkephalin expression in human skin and cultured skin cells. <i>Journal of Investigative Dermatology</i> , 2011 , 131, 613-22	4.3	59
72	Differential and Overlapping Effects of 20,23(OH)D3 and 1,25(OH)D3 on Gene Expression in Human Epidermal Keratinocytes: Identification of AhR as an Alternative Receptor for 20,23(OH)D3. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	56
71	On the role of classical and novel forms of vitamin D in melanoma progression and management. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018 , 177, 159-170	5.1	54
70	Photoprotective Properties of Vitamin D and Lumisterol Hydroxyderivatives. <i>Cell Biochemistry and Biophysics</i> , 2020 , 78, 165-180	3.2	53
69	Neuroendocrinology of the skin: An overview and selective analysis. <i>Dermato-Endocrinology</i> , 2011 , 3, 3-10		52
68	Photo-conversion of two epimers (20R and 20S) of pregna-5,7-diene-3beta, 17alpha, 20-triol and their bioactivity in melanoma cells. <i>Steroids</i> , 2009 , 74, 218-28	2.8	50
67	Geldanamycin-induced osteosarcoma cell death is associated with hyperacetylation and loss of mitochondrial pool of heat shock protein 60 (hsp60). <i>PLoS ONE</i> , 2013 , 8, e71135	3.7	45
66	CRF1 receptor splicing in epidermal keratinocytes: potential biological role and environmental regulations. <i>Journal of Cellular Physiology</i> , 2009 , 218, 593-602	7	43
65	The melatonin-producing system is fully functional in retinal pigment epithelium (ARPE-19). <i>Molecular and Cellular Endocrinology</i> , 2009 , 307, 211-6	4.4	43
64	Vitamin D in the skin physiology and pathology. <i>Acta Biochimica Polonica</i> , 2016 , 63, 17-29	2	43
63	Novel vitamin D photoproducts and their precursors in the skin. <i>Dermato-Endocrinology</i> , 2013 , 5, 7-19		42

62	Metabolism of 1alpha-hydroxyvitamin D3 by cytochrome P450 _{1α} to biologically active 1alpha,20-dihydroxyvitamin D3. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008 , 112, 213-9	5.1	41
61	Emerging role of alternative splicing of CRF1 receptor in CRF signaling. <i>Acta Biochimica Polonica</i> , 2010 , 57,	2	41
60	Sensing the Environment: Regulation of Local and Global Homeostasis by the Skin's Neuroendocrine System. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2012 ,	1.2	40
59	Expression of molecular equivalent of hypothalamic-pituitary-adrenal axis in adult retinal pigment epithelium. <i>Journal of Endocrinology</i> , 2007 , 193, 157-69	4.7	40
58	Synthesis and photochemical transformation of 3β,21-dihydroxypregna-5,7-dien-20-one to novel secosteroids that show anti-melanoma activity. <i>Steroids</i> , 2011 , 76, 193-203	2.8	39
57	Emerging role of alternative splicing of CRF1 receptor in CRF signaling. <i>Acta Biochimica Polonica</i> , 2010 , 57, 1-13	2	36
56	ROR α is not a receptor for melatonin (response to DOI 10.1002/bies.201600018). <i>BioEssays</i> , 2016 , 38, 1193-1194	4.1	33
55	Differential antitumor effects of vitamin D analogues on colorectal carcinoma in culture. <i>International Journal of Oncology</i> , 2015 , 47, 1084-96	4.4	33
54	New vitamin D analogs as potential therapeutics in melanoma. <i>Expert Review of Anticancer Therapy</i> , 2012 , 12, 585-99	3.5	33
53	Synthesis and photo-conversion of androsta- and pregna-5,7-dienes to vitamin D3-like derivatives. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 1570-6	4.2	31
52	Antitumor effects of vitamin D analogs on hamster and mouse melanoma cell lines in relation to melanin pigmentation. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 6645-67	6.3	29
51	Vitamin D derivatives enhance cytotoxic effects of H ₂ O ₂ or cisplatin on human keratinocytes. <i>Steroids</i> , 2016 , 110, 49-61	2.8	29
50	Transplantable Melanomas in Hamsters and Gerbils as Models for Human Melanoma. Sensitization in Melanoma Radiotherapy-From Animal Models to Clinical Trials. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	28
49	Functional similarities and differences of an archaeal Hsp70(DnaK) stress protein compared with its homologue from the bacterium <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2004 , 336, 539-49	6.5	26
48	The renaissance of vitamin D. <i>Acta Biochimica Polonica</i> , 2014 , 61,	2	26
47	Vitamin D deficiency during winter months among an adult, predominantly urban, population in Northern Poland. <i>Endokrynologia Polska</i> , 2014 , 65, 105-13	1.1	23
46	Vitamin D receptor(s): In the nucleus but also at membranes?. <i>Experimental Dermatology</i> , 2020 , 29, 876-884	4.4	23
45	The renaissance of vitamin D. <i>Acta Biochimica Polonica</i> , 2014 , 61, 679-86	2	22

44	Glucocorticoids Inhibit Wound Healing: Novel Mechanism of Action. <i>Journal of Investigative Dermatology</i> , 2017 , 137, 1012-1014	4.3	20
43	Cloning and characterization of the dnaK heat shock operon of the marine bacterium <i>Vibrio harveyi</i> . <i>Molecular Genetics and Genomics</i> , 1998 , 259, 179-89		20
42	Antiproliferative Activity of Double Point Modified Analogs of 1,25-Dihydroxyvitamin D ₃ Against Human Malignant Melanoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	20
41	Differentiation of Keratinocytes Modulates Skin HPA Analog. <i>Journal of Cellular Physiology</i> , 2017 , 232, 154-66	7	18
40	Vitamin D and its analogs as anticancer and anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2020 , 207, 112738	6.8	18
39	A Proposed Molecular Mechanism of High-Dose Vitamin D ₃ Supplementation in Prevention and Treatment of Preeclampsia. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 13043-64	6.3	15
38	The Role of Classical and Novel Forms of Vitamin D in the Pathogenesis and Progression of Nonmelanoma Skin Cancers. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1268, 257-283	3.6	15
37	Antiproliferative Activity of Non-Calcemic Vitamin D Analogs on Human Melanoma Lines in Relation to VDR and PDIA3 Receptors. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	15
36	DNA strand breaks induced by nuclear hijacking of neuronal NOS as an anti-cancer effect of 2-methoxyestradiol. <i>Oncotarget</i> , 2015 , 6, 15449-63	3.3	14
35	Bioactive forms of vitamin D selectively stimulate the skin analog of the hypothalamus-pituitary-adrenal axis in human epidermal keratinocytes. <i>Molecular and Cellular Endocrinology</i> , 2016 , 437, 312-322	4.4	12
34	Neuronal nitric oxide synthase induction in the antitumorigenic and neurotoxic effects of 2-methoxyestradiol. <i>Molecules</i> , 2014 , 19, 13267-81	4.8	11
33	Does the aberrant expression of CD2 and CD25 by skin mast cells truly correlate with systemic involvement in patients presenting with mastocytosis in the skin?. <i>International Archives of Allergy and Immunology</i> , 2014 , 165, 104-10	3.7	10
32	Molecular cloning and initial characterization of African green monkey (<i>Cercopithecus aethiops</i>) corticotropin releasing factor receptor type 1 (CRF1) from COS-7 cells. <i>Gene</i> , 2007 , 389, 154-62	3.8	10
31	Ultra-Marathon-Induced Increase in Serum Levels of Vitamin D Metabolites: A Double-Blind Randomized Controlled Trial. <i>Nutrients</i> , 2020 , 12,	6.7	9
30	Complementation studies of the DnaK-DnaJ-GrpE chaperone machineries from <i>Vibrio harveyi</i> and <i>Escherichia coli</i> , both in vivo and in vitro. <i>Archives of Microbiology</i> , 2004 , 182, 436-49	3	8
29	Widespread vitamin D deficiency among adults from northern Poland (54°N) after months of low and high natural UVB radiation. <i>Endokrynologia Polska</i> , 2015 , 66, 30-8	1.1	8
28	Assessment of Interleukin 16 Serum Levels and Skin Expression in Psoriasis Patients in Correlation with Clinical Severity of the Disease. <i>PLoS ONE</i> , 2016 , 11, e0165577	3.7	8
27	Vitamin D and its low calcemic analogs modulate the anticancer properties of cisplatin and dacarbazine in the human melanoma A375 cell line. <i>International Journal of Oncology</i> , 2019 , 54, 1481-1495	4.4	7

26	KU812 basophils express urocortin, CRH-R, MC1R and steroidogenic enzymes and secrete progesterone. <i>Experimental Dermatology</i> , 2012 , 21, 541-3	4	7
25	Pathogenesis of psoriasis in the "omic" era. Part IV. Epidemiology, genetics, immunopathogenesis, clinical manifestation and treatment of psoriatic arthritis. <i>Postepy Dermatologii I Alergologii</i> , 2020 , 37, 625-634	1.5	6
24	Growth Inhibition of Osteosarcoma Cell Lines in 3D Cultures: Role of Nitrosative and Oxidative Stress. <i>Anticancer Research</i> , 2016 , 36, 221-9	2.3	6
23	Neuronal Nitric Oxide Synthase-Mediated Genotoxicity of 2-Methoxyestradiol in Hippocampal HT22 Cell Line. <i>Molecular Neurobiology</i> , 2016 , 53, 5030-40	6.2	5
22	Is Mc1r an important regulator of non-pigmentary responses to UV radiation?. <i>Experimental Dermatology</i> , 2013 , 22, 790-1	4	5
21	Mitochondrial function is controlled by melatonin and its metabolites in vitro in human melanoma cells. <i>Journal of Pineal Research</i> , 2021 , 70, e12728	10.4	5
20	Targeting melanocortin receptor type 1 with small peptides. <i>British Journal of Dermatology</i> , 2019 , 181, 17-18	4	2
19	2-Methoxyestradiol and Its Combination with a Natural Compound, Ferulic Acid, Induces Melanoma Cell Death via Downregulation of Hsp60 and Hsp90. <i>Journal of Oncology</i> , 2019 , 2019, 9293416	4.5	2
18	Viewpoint 4. <i>Experimental Dermatology</i> , 2008 , 17, 148-150	4	2
17	Discovery of novel 3-hydroxyandrosta-5,7-Diene-17-Carboxylic acid derivatives as anti-inflammatory bowel diseases (IBD) agents. <i>European Journal of Medicinal Chemistry</i> , 2021 , 220, 113468	6.8	2
16	The DnaK chaperones from the archaeon <i>Methanosarcina mazei</i> and the bacterium <i>Escherichia coli</i> have different substrate specificities. <i>Acta Biochimica Polonica</i> , 2007 , 54, 509-22	2	2
15	Mitochondrial potassium channels: A novel calcitriol target.. <i>Cellular and Molecular Biology Letters</i> , 2022 , 27, 3	8.1	1
14	The Effects of Vitamin D on the Expression of IL-33 and Its Receptor ST2 in Skin Cells; Potential Implication for Psoriasis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
13	Antiproliferative activity of side-chain truncated vitamin D analogs (PRI-1203 and PRI-1204) against human malignant melanoma cell lines. <i>European Journal of Pharmacology</i> , 2020 , 881, 173170	5.3	1
12	Melatonergic System in the Skin. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2012 , 27-36	1.2	1
11	Structural basis of the interspecies interaction between the chaperone DnaK(Hsp70) and the co-chaperone GrpE of archaea and bacteria. <i>Acta Biochimica Polonica</i> , 2007 , 54, 245-52	2	1
10	Diet, Sun, Physical Activity and Vitamin D Status in Children with Inflammatory Bowel Disease.. <i>Nutrients</i> , 2022 , 14,	6.7	1
9	Vitamin D Enhances Anticancer Properties of Cediranib, a VEGFR Inhibitor, by Modulation of VEGFR2 Expression in Melanoma Cells.. <i>Frontiers in Oncology</i> , 2021 , 11, 763895	5.3	1

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| 8 | Biogenic Amines in the Skin. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2012 , 7-26 | 1.2 | ○ |
| 7 | Modulation of dermal equivalent of hypothalamus-pituitary-adrenal axis in mastocytosis. <i>Postępy Dermatologii i Alergologii</i> , 2021 , 38, 461-472 | 1.5 | ○ |
| 6 | Cutaneous Opioid System. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2012 , 75-80 | 1.2 | |
| 5 | Cutaneous Secosteroidal System. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2012 , 65-70 | 1.2 | |
| 4 | Equivalent of Hypothalamo-Pituitary-Adrenal Axis in the Skin. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2012 , 55-63 | 1.2 | |
| 3 | Steroidogenesis in the Skin. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2012 , 51-54 | 1.2 | |
| 2 | Corticotropin Signaling System in the Skin. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2012 , 41-50. | 1.2 | |
| 1 | Equivalent of Hypothalamic-Pituitary-Thyroid Axis. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2012 , 71-74 | 1.2 | |