Vladimir A Botchkarev

List of Publications by Year
in descending order

99 papers	7,738 citations	34105 52 h-index	51608 86 g-index
102 all docs	102 docs citations	102 times ranked	6634 citing authors

#	Article	IF	Citations
1	Histone Deacetylases in the Control of Epidermal Homeostasis: From Chromatin Biology toward Therapy. Journal of Investigative Dermatology, 2022, 142, 12-14.	0.7	1
2	Epigenetic Regulation of Cellular Senescence. Cells, 2022, 11, 672.	4.1	43
3	Skin Aging in Long-Lived Naked Mole-Rats Is Accompanied by Increased Expression of Longevity-Associated and Tumor Suppressor Genes. Journal of Investigative Dermatology, 2022, 142, 2853-2863.e4.	0.7	5
4	Interplay of MicroRNA-21 and SATB1 in Epidermal Keratinocytes during Skin Aging. Journal of Investigative Dermatology, 2019, 139, 2538-2542.e2.	0.7	11
5	Does blue light restore human epidermal barrier function via activation of Opsin during cutaneous wound healing?. Lasers in Surgery and Medicine, 2019, 51, 370-382.	2.1	85
6	All Roads Go to the Nucleus: Integration of Signaling/Transcription Factor-Mediated and Epigenetic Regulatory Mechanisms in theÂControl of Skin Development and Regeneration. Pancreatic Islet Biology, 2018, , 1-55.	0.3	0
7	The Molecular Revolution in Cutaneous Biology: Chromosomal Territories, Higher-Order Chromatin Remodeling, and the Control ofÂGene Expression in Keratinocytes. Journal of Investigative Dermatology, 2017, 137, e93-e99.	0.7	19
8	Second International Symposiumâ€"Epigenetic Regulation of Skin Regeneration and Aging: FromÂChromatin Biology towards the Understanding ofÂEpigenetic Basis of Skin Diseases. Journal of Investigative Dermatology, 2017, 137, 1604-1608.	0.7	2
9	p63 Transcription Factor Regulates NuclearÂShape and Expression of NuclearÂEnvelope-Associated Genes in Epidermal Keratinocytes. Journal of Investigative Dermatology, 2017, 137, 2157-2167.	0.7	25
10	5C analysis of the Epidermal Differentiation Complex locus reveals distinct chromatin interaction networks between gene-rich and gene-poor TADs in skin epithelial cells. PLoS Genetics, 2017, 13, e1006966.	3.5	33
11	Repressing the Keratinocyte Genome: How the Polycomb Complex Subunits Operate in Concert to Control Skin and Hair Follicle Development. Journal of Investigative Dermatology, 2016, 136, 1538-1540.	0.7	9
12	Modeling Chemotherapy-Induced Hair Loss: From Experimental Propositions toward Clinical Reality. Journal of Investigative Dermatology, 2016, 136, 557-559.	0.7	6
13	Cbx4 maintains the epithelial lineage identity and cell proliferation in the developing stratified epithelium. Journal of Cell Biology, 2016, 212, 77-89.	5.2	57
14	Epigenetic Regulation of Epidermal Development and Keratinocyte Differentiation. Journal of Investigative Dermatology Symposium Proceedings, 2015, 17, 18-19.	0.8	9
15	Integration of the Transcription Factor-Regulated and Epigenetic Mechanisms in the Control of Keratinocyte Differentiation. Journal of Investigative Dermatology Symposium Proceedings, 2015, 17, 30-32.	0.8	15
16	p63 and Brg1 control developmentally regulated higher-order chromatin remodelling at the epidermal differentiation complex locus in epidermal progenitor cells. Development (Cambridge), 2014, 141, 3437-3437.	2.5	6
17	The Epigenetic Regulation of Wound Healing. Advances in Wound Care, 2014, 3, 468-475.	5.1	47
18	p53/p63/p73 in the Epidermis in Health and Disease. Cold Spring Harbor Perspectives in Medicine, 2014, 4, a015248-a015248.	6.2	96

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19	p63 and Brg1 control developmentally regulated higher-order chromatin remodelling at the epidermal differentiation complex locus in epidermal progenitor cells. Development (Cambridge), 2014, 141, 101-111.	2.5	81
20	Complex Changes in the Apoptotic and Cell Differentiation Programs during Initiation of the Hair Follicle Response to Chemotherapy. Journal of Investigative Dermatology, 2014, 134, 2873-2882.	0.7	12
21	Embryology of the Pilosebaceous Unit. , 2014, , 9-17.		0
22	Genome organizing function of SATB1 in tumor progression. Seminars in Cancer Biology, 2013, 23, 72-79.	9.6	117
23	Cbx4 regulates the proliferation of thymic epithelial cells and thymus function. Development (Cambridge), 2013, 140, 780-788.	2.5	64
24	Remodeling of Three-Dimensional Organization of the Nucleus during Terminal Keratinocyte Differentiation in the Epidermis. Journal of Investigative Dermatology, 2013, 133, 2191-2201.	0.7	60
25	Pathobiology of chemotherapy-induced hair loss. Lancet Oncology, The, 2013, 14, e50-e59.	10.7	222
26	Cbx4 regulates the proliferation of thymic epithelial cells and thymus function. Journal of Cell Science, 2013, 126, e1-e1.	2.0	0
27	Epigenetic Regulation of Gene Expression in Keratinocytes. Journal of Investigative Dermatology, 2012, 132, 2505-2521.	0.7	111
28	Lhx2 differentially regulates Sox9, Tcf4 and Lgr5 in hair follicle stem cells to promote epidermal regeneration after injury. Development (Cambridge), 2011, 138, 4843-4852.	2.5	104
29	Matrix Metalloproteinase-9 Is Involved in the Regulation of Hair Canal Formation. Journal of Investigative Dermatology, 2011, 131, 257-260.	0.7	19
30	p63 regulates <i>Satb1</i> to control tissue-specific chromatin remodeling during development of the epidermis. Journal of Cell Biology, 2011, 194, 825-839.	5.2	160
31	Nerve Growth Factor Partially Recovers Inflamed Skin from Stress-Induced Worsening in Allergic Inflammation. Journal of Investigative Dermatology, 2011, 131, 735-743.	0.7	47
32	BMP Signaling Induces Cell-Type-Specific Changes in Gene Expression Programs of Human Keratinocytes and Fibroblasts. Journal of Investigative Dermatology, 2010, 130, 398-404.	0.7	26
33	Neural Wiskott-Aldrich syndrome protein modulates Wnt signaling and is required for hair follicle cycling in mice. Journal of Clinical Investigation, 2010, 120, 446-456.	8.2	31
34	Bone Morphogenetic Protein Antagonist Noggin Promotes Skin Tumorigenesis via Stimulation of the Wnt and Shh Signaling Pathways. American Journal of Pathology, 2009, 175, 1303-1314.	3.8	37
35	Substance P as an Immunomodulatory Neuropeptide in a Mouse Model for Autoimmune Hair Loss (Alopecia Areata). Journal of Investigative Dermatology, 2007, 127, 1489-1497.	0.7	102
36	Oligonucleotide treatment increases eumelanogenesis, hair pigmentation and melanocortin-1 receptor expression in the hair follicle. Experimental Dermatology, 2007, 16, 671-677.	2.9	15

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37	Involvement of the Edar Signaling in the Control of Hair Follicle Involution (Catagen). American Journal of Pathology, 2006, 169, 2075-2084.	3.8	42
38	Neurotrophins in Skin Biology and Pathology. Journal of Investigative Dermatology, 2006, 126, 1719-1727.	0.7	154
39	Bone morphogenetic protein signaling regulates the size of hair follicles and modulates the expression of cell cycle-associated genes. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18166-18171.	7.1	90
40	Neurotrophins in Autoimmune Diseases: Possible Implications for Alopecia Areata. Journal of Investigative Dermatology Symposium Proceedings, 2005, 10, 282.	0.8	2
41	Changes in Different Melanocyte Populations During Hair Follicle Involution (Catagen). Journal of Investigative Dermatology, 2005, 125, 1259-1267.	0.7	39
42	Edar Signaling in the Control of Hair Follicle Development. Journal of Investigative Dermatology Symposium Proceedings, 2005, 10, 247-251.	0.8	68
43	Bone morphogenetic protein (BMP) signaling controls hair pigmentation by means of cross-talk with the melanocortin receptor-1 pathway. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 93-98.	7.1	68
44	Integration of Notch 1 and Calcineurin/NFAT Signaling Pathways in Keratinocyte Growth and Differentiation Control. Developmental Cell, 2005, 8, 665-676.	7.0	163
45	Fas Signaling Is Involved in the Control of Hair Follicle Response to Chemotherapy. Cancer Research, 2004, 64, 6266-6270.	0.9	32
46	Epithelial growth control by neurotrophins: leads and lessons from the hair follicle. Progress in Brain Research, 2004, 146, 493-513.	1.4	88
47	Neurotrophin-3 regulates mast cell functions in neonatal mouse skin. Experimental Dermatology, 2004, 13, 273-281.	2.9	29
48	BMP signaling in the control of skin development and hair follicle growth. Differentiation, 2004, 72, 512-526.	1.9	173
49	Molecular biology of hair morphogenesis: Development and cycling. The Journal of Experimental Zoology, 2003, 298B, 164-180.	1.4	144
50	Modulations of nerve growth factor and Bcl-2 in ultraviolet-irradiated human epidermis. Journal of Cutaneous Pathology, 2003, 30, 351-357.	1.3	40
51	Bone Morphogenetic Proteins and Their Antagonists in Skin and Hair Follicle Biology. Journal of Investigative Dermatology, 2003, 120, 36-47.	0.7	164
52	p75 Neurotrophin Receptor Antagonist Retards Apoptosis-driven Hair Follicle Involution (Catagen). Journal of Investigative Dermatology, 2003, 120, 168-169.	0.7	23
53	Fas and c-kit are Involved in the Control of Hair Follicle Melanocyte Apoptosis and Migration in Chemotherapy-Induced Hair Loss. Journal of Investigative Dermatology, 2003, 120, 27-35.	0.7	53
54	Molecular Control of Epithelialâ€"Mesenchymal Interactions During Hair Follicle Cycling. Journal of Investigative Dermatology Symposium Proceedings, 2003, 8, 46-55.	0.8	268

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55	Molecular Mechanisms of Chemotherapy-Induced Hair Loss. Journal of Investigative Dermatology Symposium Proceedings, 2003, 8, 72-75.	0.8	75
56	Fate of Melanocytes During Development of the Hair Follicle Pigmentary Unit. Journal of Investigative Dermatology Symposium Proceedings, 2003, 8, 76-79.	0.8	65
57	Fas-Deficient C3.MRL-Tnfrsf6lpr Mice and Fas Ligand-Deficient C3H/HeJ-Tnfsf6gld Mice Are Relatively Resistant to the Induction of Alopecia Areata by Grafting of Alopecia Areata-Affected Skin from C3H/HeJ Mice. Journal of Investigative Dermatology Symposium Proceedings, 2003, 8, 104-108.	0.8	36
58	Kit Is Expressed by Epithelial Cells In Vivo. Journal of Investigative Dermatology, 2003, 121, 976-984.	0.7	50
59	Neurotrophins and Their Role in Pathogenesis of Alopecia Areata. Journal of Investigative Dermatology Symposium Proceedings, 2003, 8, 195-198.	0.8	22
60	Noggin overexpression inhibits eyelid opening by altering epidermal apoptosis and differentiation. EMBO Journal, 2003, 22, 2992-3003.	7.8	62
61	Stress and the Hair Follicle. American Journal of Pathology, 2003, 162, 709-712.	3.8	59
62	The Lysosomal Protease Cathepsin L Is an Important Regulator of Keratinocyte and Melanocyte Differentiation During Hair Follicle Morphogenesis and Cycling. American Journal of Pathology, 2002, 160, 1807-1821.	3.8	142
63	Developmental timing of hair follicle and dorsal skin innervation in mice. Journal of Comparative Neurology, 2002, 448, 28-52.	1.6	77
64	Modulation of BMP Signaling by Noggin is Required for Induction of the Secondary (Nontylotrich) Hair Follicles. Journal of Investigative Dermatology, 2002, 118, 3-10.	0.7	134
65	p53 Involvement in the Control of Murine Hair Follicle Regression. American Journal of Pathology, 2001, 158, 1913-1919.	3.8	73
66	Hair-Cycle-Associated Remodeling of the Peptidergic Innervation of Murine Skin, and Hair Growth Modulation by Neuropeptides. Journal of Investigative Dermatology, 2001, 116, 236-245.	0.7	96
67	SCF/câ€kit signaling is required for cyclic regeneration of the hair pigmentation unit. FASEB Journal, 2001, 15, 645-658.	0.5	219
68	Noggin is required for induction of the hair follicle growth phase in postnatal skin. FASEB Journal, 2001, 15, 2205-2214.	0.5	207
69	Distinct Roles for Nerve Growth Factor and Brain-Derived Neurotrophic Factor in Controlling the Rate of Hair Follicle Morphogenesis. Journal of Investigative Dermatology, 2000, 114, 314-320.	0.7	32
70	Control of murine hair follicle regression (catagen) by TGFâ€Î²1 <i>in vivo</i>. FASEB Journal, 2000, 14, 752-760.	0.5	301
71	A role for p75 neurotrophin receptor in the control of apoptosisâ€driven hair follicle regression. FASEB Journal, 2000, 14, 1931-1942.	0.5	94
72	Intercellular Adhesion Molecule-1 and Hair Follicle Regression. Journal of Histochemistry and Cytochemistry, 2000, 48, 557-568.	2.5	28

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73	Cathepsin L deficiency as molecular defect offurless:hyperproliferation of keratinocytes and pertubation of hair follicle cycling. FASEB Journal, 2000, 14, 2075-2086.	0.5	290
74	New Roles for Glial Cell Line-Derived Neurotrophic Factor and Neurturin. American Journal of Pathology, 2000, 156, 1041-1053.	3.8	50
75	A new role for neurotrophins: involvement of brainâ€derived neurotrophic factor and neurotrophinâ€4 in hair cycle control. FASEB Journal, 1999, 13, 395-410.	0.5	93
76	Retardation of Hair Follicle Development by the Deletion of TrkC, High-Affinity Neurotrophin-3 Receptor. Journal of Investigative Dermatology, 1999, 113, 425-427.	0.7	13
77	Overexpression of Brain-Derived Neurotrophic Factor Increases Merkel Cell Number in Murine Skin. Journal of Investigative Dermatology, 1999, 113, 691-692.	0.7	14
78	Hair Cycle-Dependent Changes in Adrenergic Skin Innervation, and Hair Growth Modulation by Adrenergic Drugs. Journal of Investigative Dermatology, 1999, 113, 878-887.	0.7	90
79	Noggin is a mesenchymally derived stimulator of hair-follicle induction. Nature Cell Biology, 1999, 1, 158-164.	10.3	360
80	The Fate of Hair Follicle Melanocytes During the Hair Growth Cycle. Journal of Investigative Dermatology Symposium Proceedings, 1999, 4, 323-332.	0.8	99
81	Chronobiology of the Hair Follicle: Hunting the â€œHair Cycle Clockâ€. Journal of Investigative Dermatology Symposium Proceedings, 1999, 4, 338-345.	0.8	82
82	Abundant Production of Brain-Derived Neurotrophic Factor by Adult Visceral Epithelia. American Journal of Pathology, 1999, 155, 1183-1193.	3.8	245
83	A Role for p75 Neurotrophin Receptor in the Control of Hair Follicle Morphogenesis. Developmental Biology, 1999, 216, 135-153.	2.0	59
84	Cutaneous Expression of CRH and CRHâ€R: Is There a â€œSkin Stress Response System?â€. Annals of the New York Academy of Sciences, 1999, 885, 287-311.	3.8	132
85	The Skin POMC System (SPS): Leads and Lessons from the Hair Follicle. Annals of the New York Academy of Sciences, 1999, 885, 350-363.	3.8	63
86	ACTH Production in C57BL/6 Mouse Skin. Annals of the New York Academy of Sciences, 1999, 885, 448-450.	3.8	10
87	Role of nerve growth factor in a mouse model of allergic airway inflammation and asthma. European Journal of Immunology, 1998, 28, 3240-3251.	2.9	231
88	Intact hair follicle innervation is not essential for anagen induction and development. Archives of Dermatological Research, 1998, 290, 574-578.	1.9	43
89	BDNF overexpression induces differential increases among subsets of sympathetic innervation in murine back skin. European Journal of Neuroscience, 1998, 10, 3276-3283.	2.6	26
90	Neurotrophin-3 Involvement in the Regulation of Hair Follicle Morphogenesis. Journal of Investigative Dermatology, 1998, 111, 279-285.	0.7	55

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91	Do Hair Bulb Melanocytes Undergo Apotosis During Hair Follicle Regression (Catagen)?. Journal of Investigative Dermatology, 1998, 111, 941-947.	0.7	126
92	Hair cycle-dependent production of ACTH in mouse skin. Biochimica Et Biophysica Acta - Molecular Cell Research, 1998, 1448, 147-152.	4.1	48
93	A New Role for Neurotrophin-3. American Journal of Pathology, 1998, 153, 785-799.	3.8	81
94	Distinct Patterns of NCAM Expression Are Associated with Defined Stages of Murine Hair Follicle Morphogenesis and Regression. Journal of Histochemistry and Cytochemistry, 1998, 46, 1401-1409.	2.5	57
95	Role of nerve growth factor in a mouse model of allergic airway inflammation and asthma. European Journal of Immunology, 1998, 28, 3240-3251.	2.9	1
96	Neural Mechanisms of Hair Growth Control. Journal of Investigative Dermatology Symposium Proceedings, 1997, 2, 61-68.	0.8	99
97	A simple immunofluorescence technique for simultaneous visualization of mast cells and nerve fibers reveals selectivity and hair cycle - dependent changes in mast cell - nerve fiber contacts in murine skin. Archives of Dermatological Research, 1997, 289, 292-302.	1.9	114
98	Hair cycle-dependent plasticity of skin and hair follicle innervation in normal murine skin. , 1997, 386, 379-395.		127
99	Hair cycle-dependent changes in mast cell histochemistry in murine skin. Archives of Dermatological Research, 1995, 287, 683-686.	1.9	23