Shosuke Ito

List of Publications by Year
in descending order

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320 papers	17,314 citations	10986 71 h-index	20358 116 g-index
330 all docs	330 docs citations	330 times ranked	11581 citing authors

#	Article	IF	Citations
1	A Chemist's View of Melanogenesis. Pigment Cell & Melanoma Research, 2003, 16, 230-236.	3.6	418
2	Chemistry of Mixed Melanogenesisâ€"Pivotal Roles of Dopaquinone^{â€}. Photochemistry and Photobiology, 2008, 84, 582-592.	2.5	393
3	Quantitative Analysis of Eumelanin and Pheomelanin in Humans, Mice, and Other Animals: a Comparative Review. Pigment Cell & Melanoma Research, 2003, 16, 523-531.	3.6	390
4	Microanalysis of eumelanin and pheomelanin in hair and melanomas by chemical degradation and liquid chromatography. Analytical Biochemistry, 1985, 144, 527-536.	2.4	388
5	Melanins and melanogenesis: methods, standards, protocols. Pigment Cell and Melanoma Research, 2013, 26, 616-633.	3.3	365
6	Melanins and melanogenesis: from pigment cells toÂhuman health and technological applications. Pigment Cell and Melanoma Research, 2015, 28, 520-544.	3.3	347
7	UVâ€induced DNA damage and melanin content in human skin differing in racial/ethnic origin. FASEB Journal, 2003, 17, 1177-1179.	0.5	344
8	Pael receptor induces death of dopaminergic neurons in the substantia nigra via endoplasmic reticulum stress and dopamine toxicity, which is enhanced under condition of parkin inactivation. Human Molecular Genetics, 2007, 16, 50-60.	2.9	339
9	Inactivation of Drosophila DJ-1 leads to impairments of oxidative stress response and phosphatidylinositol 3-kinase/Akt signaling. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13670-13675.	7.1	325
10	Current challenges in understanding melanogenesis: bridging chemistry, biological control, morphology, and function. Pigment Cell and Melanoma Research, 2009, 22, 563-579.	3.3	316
11	Topical drug rescue strategy and skin protection based on the role of Mc1r in UV-induced tanning. Nature, 2006, 443, 340-344.	27.8	302
12	Advanced Chemical Methods in Melanin Determination. Pigment Cell & Melanoma Research, 2002, 15, 174-183.	3.6	288
13	Pheomelanin as well as Eumelanin Is Present in Human Epidermis. Journal of Investigative Dermatology, 1991, 97, 340-344.	0.7	249
14	New melanic pigments in the human brain that accumulate in aging and block environmental toxic metals. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17567-17572.	7.1	213
15	Usefulness of alkaline hydrogen peroxide oxidation to analyze eumelanin and pheomelanin in various tissue samples: application to chemical analysis of human hair melanins. Pigment Cell and Melanoma Research, 2011, 24, 605-613.	3.3	206
16	The Usefulness of 4â€Aminoâ€3â€hydroxyphenylalanine as a Specific Marker of Pheomelanin. Pigment Cell & Melanoma Research, 2002, 15, 225-232.	3.6	198
17	Spectrophotometric Characterization of Eumelanin and Pheomelanin in Hair. Pigment Cell & Melanoma Research, 1996, 9, 265-270.	3.6	188
18	Regulation of human skin pigmentation and responses to ultraviolet radiation. Pigment Cell & Melanoma Research, 2007, 20, 2-13.	3.6	188

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19	Slc7a11 gene controls production of pheomelanin pigment and proliferation of cultured cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10964-10969.	7.1	186
20	Chemical Characterization of Hair Melanins in Various Coat-Color Mutants of Mice. Journal of Investigative Dermatology, 1995, 105, 361-366.	0.7	182
21	Humanmelanocortin 1 receptorvariants, receptor function and melanocyte response to UV radiation. Journal of Cell Science, 2002, 115, 2349-2355.	2.0	174
22	Melanin acts as a potent UVB photosensitizer to cause an atypical mode of cell death in murine skin. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15076-15081.	7.1	173
23	Identification of Glypican-3 as a Novel Tumor Marker for Melanoma. Clinical Cancer Research, 2004, 10, 6612-6621.	7.0	171
24	Direct chemical evidence for eumelanin pigment from the Jurassic period. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10218-10223.	7.1	166
25	Comparison of Structural and Chemical Properties of Black and Red Human Hair MelanosomesÂ¶. Photochemistry and Photobiology, 2005, 81, 135.	2.5	160
26	The structure of neuromelanin as studied by chemical degradative methods. Journal of Neurochemistry, 2003, 86, 1015-1023.	3.9	158
27	Chemical Analysis of Melanins and its Application to the Study of the Regulation of Melanogenesis. Pigment Cell & Melanoma Research, 2000, 13, 103-109.	3.6	157
28	Human melanocortin 1 receptor variants, receptor function and melanocyte response to UV radiation. Journal of Cell Science, 2002, 115, 2349-55.	2.0	150
29	Cutaneous Photobiology. The Melanocyte vs. the Sun: Who Will Win the Final Round?. Pigment Cell & Melanoma Research, 2003, 16, 434-447.	3.6	149
30	Ion-Exchange and Adsorption of Fe(III) by Sepia Melanin. Pigment Cell & Melanoma Research, 2004, 17, 262-269.	3.6	147
31	Influence of Î±â€melanocyteâ€stimulating hormone and of ultraviolet radiation on the transfer of melanosomes to keratinocytes. FASEB Journal, 2002, 16, 1-27.	0.5	135
32	Chemical Degradation of Melanins: Application to Identification of Dopamineâ€melanin. Pigment Cell & Melanoma Research, 1998, 11, 120-126.	3.6	121
33	The Melanocortin-1 Receptor is a Key Regulator of Human Cutaneous Pigmentation. Pigment Cell & Melanoma Research, 2000, 13, 156-162.	3.6	121
34	Melanin Biosynthesis in Cryptococcus neoformans. Journal of Bacteriology, 1998, 180, 1570-1572.	2.2	121
35	Human hair melanins: what we have learned and have not learned from mouse coat color pigmentation. Pigment Cell and Melanoma Research, 2011, 24, 63-74.	3.3	120
36	Quantitative Analysis of Eumelanin and Pheomelanin in Hair and Melanomas. Journal of Investigative Dermatology, 1983, 80, 268-272.	0.7	119

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37	Melanocortin 1 receptorgenotype: an important determinant of the damage response of melanocytes to ultraviolet radiation. FASEB Journal, 2010, 24, 3850-3860.	0.5	118
38	Covalent binding of catechols to proteins through the sulphydryl group. Biochemical Pharmacology, 1988, 37, 1707-1710.	4.4	116
39	Diversity of pigmentation in cultured human melanocytes is due to differences in the type as well as quantity of melanin. Pigment Cell & Melanoma Research, 2006, 19, 154-162.	3.6	115
40	Interaction of Major Coat Color Gene Functions in Mice as Studied by Chemical Analysis of Eumelanin and Pheomelanin. Pigment Cell & Melanoma Research, 2001, 14, 23-31.	3.6	114
41	Comparison of the Structural and Physical Properties of Human Hair Eumelanin Following Enzymatic or Acid/Base Extraction. Pigment Cell & Melanoma Research, 2003, 16, 355-365.	3.6	112
42	Melanin content and MC1R function independently affect UVRâ€induced DNA damage in cultured human melanocytes. Pigment Cell & Melanoma Research, 2006, 19, 303-314.	3.6	112
43	Characterization of melanin in human iridal and choroidal melanocytes from eyes with various colored irides. Pigment Cell and Melanoma Research, 2008, 21, 97-105.	3.3	111
44	Nle4DPhe7Î±-Melanocyte-Stimulating Hormone Increases the Eumelanin:Phaeomelanin Ratio in Cultured Human Melanocytes. Journal of Investigative Dermatology, 1995, 104, 83-85.	0.7	110
45	Predicting Phenotype from Genotype: Normal Pigmentation*. Journal of Forensic Sciences, 2010, 55, 315-322.	1.6	110
46	The Neuromelanin of Human Substantia Nigra: Physiological and Pathogenic Aspects. Pigment Cell & Melanoma Research, 2004, 17, 610-617.	3.6	109
47	Inactivation of Pmel Alters Melanosome Shape But Has Only a Subtle Effect on Visible Pigmentation. PLoS Genetics, 2011, 7, e1002285.	3.5	108
48	Eumelanin and pheomelanin concentrations in human epidermis before and after UVB irradiation. Pigment Cell & Melanoma Research, 2005, 18, 220-223.	3.6	104
49	Adaptive Melanin Response of the Soil Fungus Aspergillus niger to UV Radiation Stress at â€œEvolution Canyonâ€, Mount Carmel, Israel. PLoS ONE, 2008, 3, e2993.	2.5	104
50	Chemical analysis of late stages of pheomelanogenesis: conversion of dihydrobenzothiazine to a benzothiazole structure. Pigment Cell and Melanoma Research, 2009, 22, 474-486.	3.3	99
51	Chemical analysis of constitutive pigmentation of human epidermis reveals constant eumelanin to pheomelanin ratio. Pigment Cell and Melanoma Research, 2015, 28, 707-717.	3.3	97
52	An Improved Modification of Permanganate Oxidation of Eumelanin That Gives a Constant Yield of Pyrrole-2,3,5-Tricarboxylic Acid. Pigment Cell & Melanoma Research, 1994, 7, 141-144.	3.6	92
53	Interaction of Human Substantia Nigra Neuromelanin with Lipids and Peptides. Journal of Neurochemistry, 2002, 74, 1758-1765.	3.9	91
54	Evaluation of melanin-related metabolites as markers of melanoma progression. Cancer, 1994, 73, 629-636.	4.1	88

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55	Eumelanin and Phaeomelanin Contents of Human Epidermis and Cultured Melanocytes. Pigment Cell & Melanoma Research, 1995, 8, 202-208.	3.6	88
56	Unexpected Endocrine Features and Normal Pigmentation in a Young Adult Patient Carrying a Novel Homozygous Mutation in the POMC Gene. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 4955-4962.	3.6	86
57	Photodegradation of Eumelanin and Pheomelanin and Its Pathophysiological Implications. Photochemistry and Photobiology, 2018, 94, 409-420.	2.5	86
58	You Can't Judge a Pigment by its Color: Carotenoid and Melanin Content of Yellow and Brown Feathers in Swallows, Bluebirds, Penguins, and Domestic Chickens. Condor, 2004, 106, 390-395.	1.6	83
59	Quantitative Measures of the Effect of the Melanocortin 1 Receptor on Human Pigmentary Status11Presented in part at ESDR Geneva 2002, Naysmith L, Ha T, Waterston K, et al: Melanocortin 1 receptor accounts for 50% of variation in a Northern European dataset. J Invest Dermatol 119:758, 2002 (abstr).. Journal of Investigative Dermatology, 2004, 122, 423-428.	0.7	82
60	Combined Chemical and Electron Microscopic Studies of Pheomelanosomes in Human Red Hair. Journal of Investigative Dermatology, 1983, 81, 506-511.	0.7	81
61	Agouti protein, mahogunin, and attractin in pheomelanogenesis and melanoblastâ€like alteration of melanocytes: a cAMPâ€independent pathway. Pigment Cell and Melanoma Research, 2009, 22, 623-634.	3.3	81
62	Soft-tissue evidence for homeothermy and crypsis in a Jurassic ichthyosaur. Nature, 2018, 564, 359-365.	27.8	81
63	YOU CAN'T JUDGE A PIGMENT BY ITS COLOR: CAROTENOID AND MELANIN CONTENT OF YELLOW AND BROWN FEATHERS IN SWALLOWS, BLUEBIRDS, PENGUINS, AND DOMESTIC CHICKENS. Condor, 2004, 106, 390.	1.6	79
64	Comparisons of the Structural and Chemical Properties of Melanosomes Isolated from Retinal Pigment Epithelium, Iris and Choroid of Newborn and Mature Bovine EyesÂ¶. Photochemistry and Photobiology, 2005, 81, 510.	2.5	79
65	The Expression of Tyrosinase, Tyrosinase-Related Proteins 1 and 2 (TRP1 and TRP2), the Silver Protein, and a Melanogenic Inhibitor in Human Melanoma Cells of Differing Melanogenic Activities. Pigment Cell & Melanoma Research, 1995, 8, 97-104.	3.6	78
66	4-S-Cysteaminylphenol-loaded magnetite cationic liposomes for combination therapy of hyperthermia with chemotherapy against malignant melanoma. Cancer Science, 2007, 98, 424-430.	3.9	77
67	Tyrosinase-catalyzed binding of 3,4-dihydroxyphenylalanine with proteins through the sulfhydryl group. Biochimica Et Biophysica Acta - General Subjects, 1986, 881, 415-421.	2.4	75
68	Preparation of eumelanin-related metabolites 5,6-dihydroxyindole, 5,6-dihydroxyindole-2-carboxylic acid, and their O-methyl derivatives. Analytical Biochemistry, 1988, 170, 335-340.	2.4	75
69	Eumelanin Biosynthesis Is Regulated by Coordinate Expression of Tyrosinase and Tyrosinase-Related Protein-1 Genes. Experimental Cell Research, 1993, 207, 33-40.	2.6	75
70	Chemical Characterization of Eumelanins with Special Emphasis on 5,6-Dihydroxyindole-2-carboxylic Acid Content and Molecular Size. Analytical Biochemistry, 1997, 248, 149-157.	2.4	74
71	Does tyrosinase exist in neuromelanin-pigmented neurons in the human substantia nigra?. Neuroscience Letters, 1998, 253, 198-200.	2.1	74
72	Common anti-apoptotic roles of parkin and Î±-synuclein in human dopaminergic cells. Biochemical and Biophysical Research Communications, 2005, 332, 233-240.	2.1	74

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73	Regulation of eumelanin/pheomelanin synthesis and visible pigmentation in melanocytes by ligands of the melanocortin 1 receptor. Pigment Cell and Melanoma Research, 2008, 21, 477-486.	3.3	73
74	UVAâ€induced oxidative degradation of melanins: fission of indole moiety in eumelanin and conversion to benzothiazole moiety in pheomelanin. Pigment Cell and Melanoma Research, 2012, 25, 434-445.	3.3	73
75	Chemical Reactivities of ortho-Quinones Produced in Living Organisms: Fate of Quinonoid Products Formed by Tyrosinase and Phenoloxidase Action on Phenols and Catechols. International Journal of Molecular Sciences, 2020, 21, 6080.	4.1	72
76	Catecholamine Oxidative Products, but Not Melanin, Are Produced byCryptococcus neoformansduring Neuropathogenesis in Mice. Infection and Immunity, 1999, 67, 108-112.	2.2	68
77	Synthesis and antitumor activity of cysteinyl-3,4-dihydroxyphenylalonines and related compounds. Journal of Medicinal Chemistry, 1981, 24, 673-677.	6.4	67
78	Optimization of Conditions for Preparing Synthetic Pheomelanin. Pigment Cell & Melanoma Research, 1989, 2, 53-56.	3.6	67
79	Cysteine Deprivation Promotes Eumelanogenesis in Human Melanoma Cells. Journal of Investigative Dermatology, 1996, 107, 698-702.	0.7	67
80	Pigmentation effects of solarâ€simulated radiation as compared with UVA and UVB radiation. Pigment Cell and Melanoma Research, 2008, 21, 487-491.	3.3	67
81	Chemical characterization of pheomelanogenesis starting from dihydroxyphenylalanine or tyrosine and cysteine.. Biochimica Et Biophysica Acta - General Subjects, 1997, 1336, 539-548.	2.4	66
82	Mutations in dopachrome tautomerase (Dct) affect eumelanin/pheomelanin synthesis, but do not affect intracellular trafficking of the mutant protein. Biochemical Journal, 2005, 391, 249-259.	3.7	66
83	Tyrosinaseâ€catalyzed oxidation of rhododendrol produces 2â€methylchromaneâ€6,7â€dione, the putative ultimate toxic metabolite: implications for melanocyte toxicity. Pigment Cell and Melanoma Research, 2014, 27, 744-753.	3.3	66
84	Neuromelanins of Human Brain Have Soluble and Insoluble Components with Dolichols Attached to the Melanic Structure. PLoS ONE, 2012, 7, e48490.	2.5	65
85	Highly Sensitive Detection of Melanoma at an Early Stage Based on the Increased Serum Secreted Protein Acidic and Rich in Cysteine and Glypican-3 Levels. Clinical Cancer Research, 2005, 11, 8079-8088.	7.0	63
86	Interaction of Hermansky-Pudlak Syndrome Genes in the Regulation of Lysosome-Related Organelles. Traffic, 2006, 7, 779-792.	2.7	62
87	Encapsulation of a reactive core in neuromelanin. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14647-14648.	7.1	60
88	Neutral p<scp>H</scp> and copper ions promote eumelanogenesis after the dopachrome stage. Pigment Cell and Melanoma Research, 2013, 26, 817-825.	3.3	60
89	Norepinephrine and its metabolites are involved in the synthesis of neuromelanin derived from the locus coeruleus. Journal of Neurochemistry, 2015, 135, 768-776.	3.9	58
90	Agaritine purified from Agaricus blazei Murrill exerts anti-tumor activity against leukemic cells. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 669-673.	2.4	54

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91	Melanin Monomers Within Coated Vesicles and Premelanosomes in Melanin Synthesizing Cells. Journal of Investigative Dermatology, 1988, 91, 181-184.	0.7	52
92	Tyrosinase-related proteins suppress tyrosinase-mediated cell death of melanocytes and melanoma cells. Experimental Cell Research, 2004, 298, 317-328.	2.6	52
93	Biosynthetic pathway to neuromelanin and its aging process. Pigment Cell and Melanoma Research, 2012, 25, 792-803.	3.3	51
94	Agouti Protein Inhibits the Production of Eumelanin and Phaeomelanin in the Presence and Absence of Î±-Melanocyte Stimulating Hormone. Pigment Cell & Melanoma Research, 1997, 10, 298-303.	3.6	50
95	High-performance liquid chromatography estimation of cross-linking of dihydroxyindole moiety in eumelanin. Analytical Biochemistry, 2013, 434, 221-225.	2.4	50
96	Photoaging of human retinal pigment epithelium is accompanied by oxidative modifications of its eumelanin. Pigment Cell and Melanoma Research, 2013, 26, 357-366.	3.3	50
97	Levels of tyrosinase and its mRNA in coat-color mutants of C57Bl/10J congenic mice: Effects of genic substitution at theagouti, brown, albino, dilute, andpink-eyed dilution loci. The Journal of Experimental Zoology, 1989, 250, 304-311.	1.4	49
98	Chemical Characterization of Melanins in Sheep Wool and Human Hair. Pigment Cell & Melanoma Research, 1996, 9, 51-57.	3.6	49
99	Effects of Melanogenesisâ€Inducing Nitric Oxide and Histamine on the Production of Eumelanin and Pheomelanin in Cultured Human Melanocytes. Pigment Cell & Melanoma Research, 2003, 16, 81-84.	3.6	49
100	Aerobic photoreactivity of synthetic eumelanins and pheomelanins: generation of singlet oxygen and superoxide anion. Pigment Cell and Melanoma Research, 2016, 29, 669-678.	3.3	49
101	Determination of DOPA, dopamine, and 5-S-cysteinyl-DOPA in plasma, urine, and tissue samples by high-performance liquid chromatography with electrochemical detection. Biomedical Applications, 1984, 311, 154-159.	1.7	48
102	Cysteine Transport in Melanosomes from Murine Melanocytes. Pigment Cell & Melanoma Research, 1999, 12, 4-12.	3.6	46
103	Dihydro-1,4-benzothiazine-6,7-dione, the ultimate toxic metabolite of 4-S-Cysteaminylphenol and 4-S-Cysteaminylcatechol. Biochemical Pharmacology, 1997, 53, 1435-1444.	4.4	45
104	Impact of diagenesis and maturation on the survival of eumelanin in the fossil record. Organic Geochemistry, 2013, 64, 29-37.	1.8	45
105	Isolation of oligomers of 5,6-dihydroxyindole-2-carboxylic acid from the eye of the catfish. Biochemical Journal, 1974, 143, 207-217.	3.7	44
106	Short- and Long-Term Effects of UV Radiation on the Pigmentation of Human Skin. Journal of Investigative Dermatology Symposium Proceedings, 2009, 14, 32-35.	0.8	44
107	Elemental characterisation of melanin in feathers via synchrotron X-ray imaging and absorption spectroscopy. Scientific Reports, 2016, 6, 34002.	3.3	44
108	Dysplastic Melanocytic Nevi Contain High Levels of Pheomelanin: Quantitative Comparison of Pheomelanin/Eumelanin Levels Between Normal Skin, Common Nevi, and Dysplastic Nevi. Pigment Cell & Melanoma Research, 1991, 4, 172-179.	3.6	43

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109	Influences of Sex, Castration, and Androgens on the Eumelanin and Pheomelanin Contents of Different Feathers in Wild Mallards. Pigment Cell & Melanoma Research, 1995, 8, 164-170.	3.6	43
110	Cystinosin is a melanosomal protein that regulates melanin synthesis. FASEB Journal, 2012, 26, 3779-3789.	0.5	41
111	Cysteinyldopamine is not incorporated into neuromelanin. Neuroscience Letters, 1991, 131, 57-60.	2.1	40
112	Cutaneous photoprotection and melanoma susceptibility: reaching beyond melanin content to the frontiers oF DNA repair. Frontiers in Bioscience - Landmark, 2006, 11, 2157.	3.0	40
113	Pael receptor is involved in dopamine metabolism in the nigrostriatal system. Neuroscience Research, 2007, 59, 413-425.	1.9	39
114	N-Propionyl-Cysteaminylphenol-Magnetite Conjugate (NPrCAP/M) Is a Nanoparticle for the Targeted Growth Suppression of Melanoma Cells. Journal of Investigative Dermatology, 2009, 129, 2233-2241.	0.7	39
115	Isomeric cysteinyldopas provide a (photo)degradable bulk component and a robust structural element in red human hair pheomelanin. Pigment Cell and Melanoma Research, 2009, 22, 319-327.	3.3	39
116	The Underwhite (uw) Locus Acts Autonomously and Reduces the Production of Melanin. Journal of Investigative Dermatology, 2000, 115, 601-606.	0.7	38
117	Roles of reactive oxygen species in <scp>UVA</scp>â€induced oxidation of 5,6â€dihydroxyindoleâ€2â€carboxylic acidâ€melanin as studied by differential spectrophotometric method. Pigment Cell and Melanoma Research, 2016, 29, 340-351.	3.3	38
118	Chemical and biochemical control of skin pigmentation with special emphasis on mixed melanogenesis. Pigment Cell and Melanoma Research, 2021, 34, 730-747.	3.3	38
119	Independent regulation of hair and skin color by two G proteinâ€coupled pathways. Pigment Cell and Melanoma Research, 2009, 22, 819-826.	3.3	37
120	Tyrosinaseâ€catalyzed metabolism of rhododendrol (RD) in B16 melanoma cells: production of RDâ€pheomelanin and covalent binding with thiol proteins. Pigment Cell and Melanoma Research, 2015, 28, 295-306.	3.3	37
121	Insect cuticular melanins are distinctly different from those of mammalian epidermal melanins. Pigment Cell and Melanoma Research, 2018, 31, 384-392.	3.3	37
122	Molecular and Phenotypic Analysis of 25 Recessive, Homozygous-Viable Alleles at the Mouse agouti Locus. Genetics, 2002, 160, 659-674.	2.9	37
123	Growth Inhibition of Re-Challenge B16 Melanoma Transplant by Conjugates of Melanogenesis Substrate and Magnetite Nanoparticles as the Basis for Developing Melanoma-Targeted Chemo-Thermo-Immunotherapy. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-13.	3.0	36
124	Protection against UVR Involves MC1R-Mediated Non-Pigmentary and Pigmentary Mechanisms In Vivo. Journal of Investigative Dermatology, 2010, 130, 1904-1913.	0.7	36
125	Pigmentâ€independent <scp>cAMP</scp>â€mediated epidermal thickening protects against cutaneous <scp>UV</scp> injury by keratinocyte proliferation. Experimental Dermatology, 2012, 21, 771-777.	2.9	36
126	Human tyrosinase is able to oxidize both enantiomers of rhododendrol. Pigment Cell and Melanoma Research, 2014, 27, 1149-1153.	3.3	36

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127	Comparative Analysis of Hair Melanins by Chemical and Electron Spin Resonance Methods. Pigment Cell & Melanoma Research, 1991, 4, 30-34.	3.6	35
128	High-Performance Liquid Chromatography (HPLC) Analysis of Eu- and Pheomelanin in Melanogenesis Control. Journal of Investigative Dermatology, 1993, 100, S166-S171.	0.7	35
129	A convenient screening method to differentiate phenolic skin whitening tyrosinase inhibitors from leukoderma-inducing phenols. Journal of Dermatological Science, 2015, 80, 18-24.	1.9	35
130	NNT mediates redox-dependent pigmentation via a UVB- and MITF-independent mechanism. Cell, 2021, 184, 4268-4283.e20.	28.9	35
131	Establishment of a mouse melanocyte clone which synthesizes both eumelanin and pheomelanin.. Cell Structure and Function, 1985, 10, 421-425.	1.1	35
132	Tyrosinase Depletion Prevents the Maturation of Melanosomes in the Mouse Hair Follicle. PLoS ONE, 2015, 10, e0143702.	2.5	35
133	Chemistry of Melanins. , 0, , 282-310.		34
134	Characterization of Melanogenesis in Mouse and Guinea Pig Hair by Chemical Analysis of Melanins and of Free and Bound Dopa and 5-S-Cysteinyldopa. Journal of Investigative Dermatology, 1984, 83, 12-14.	0.7	33
135	Determination of natural thiols by liquid chromatography after derivatization with 3,5-di-tert.-butyl-1,2-benzoquinone. Biomedical Applications, 1987, 420, 404-410.	1.7	33
136	Possible Oxidative Polymerization Mechanism of 5,6-Dihydroxyindole from ab Initio Calculations. Journal of Physical Chemistry A, 2008, 112, 11213-11222.	2.5	33
137	Human Iridal Stroma Melanosomes of Varying Pheomelanin Contents Possess a Common Eumelanic Outer Surface. Journal of Physical Chemistry B, 2009, 113, 11346-11351.	2.6	33
138	Prolonged treatment of fairâ€skinned mice with topical forskolin causes persistent tanning and UV protection. Pigment Cell and Melanoma Research, 2009, 22, 219-229.	3.3	33
139	Melanomaâ€targeted chemoâ€thermoâ€immuno (CTI)â€therapy using Nâ€propionylâ€4â€Sâ€cysteaminylphenolâ€magnetite nanoparticles elicits CTL response via heat shock proteinâ€peptide complex release. Cancer Science, 2010, 101, 1939-1946.	3.9	33
140	Identification of 5-S- and 2-S-cysteinyldopamine and 5-S-glutathionyldopamine formed from dopamine by high-performance liquid chromatography with electrochemical detection. Biomedical Applications, 1986, 375, 134-140.	1.7	32
141	Stimulation of the proliferation and differentiation of mouse pink-eyed dilution epidermal melanocytes by excess tyrosine in serum-free primary culture. Journal of Cellular Physiology, 2002, 191, 162-172.	4.1	32
142	An Insect with Selective Control of Egg Coloration. Current Biology, 2015, 25, 2007-2011.	3.9	32
143	Effects of rhododendrol and its metabolic products on melanocytic cell growth. Journal of Dermatological Science, 2015, 80, 142-149.	1.9	32
144	Tissue-specific geometry and chemistry of modern and fossilized melanosomes reveal internal anatomy of extinct vertebrates. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17880-17889.	7.1	32

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145	Neuromelanin in Parkinsonâ€™s Disease: Tyrosine Hydroxylase and Tyrosinase. International Journal of Molecular Sciences, 2022, 23, 4176.	4.1	32
146	Incorporation of sulfhydryl compounds into melanins in vitro. Biochimica Et Biophysica Acta - General Subjects, 1988, 964, 1-7.	2.4	31
147	Noise-induced hearing loss: the effect of melanin in the stria vascularis. Hearing Research, 2001, 154, 116-123.	2.0	31
148	Comparison of eumelanin and pheomelanin content between cultured uveal melanoma cells and normal uveal melanocytes. Melanoma Research, 2009, 19, 75-79.	1.2	31
149	The Pro-Oxidant Activity of Pheomelanin is Significantly Enhanced by UVA Irradiation: Benzothiazole Moieties Are More Reactive than Benzothiazine Moieties. International Journal of Molecular Sciences, 2018, 19, 2889.	4.1	31
150	Characterization of Structural Properties for Morphologic Differentiation of Melanosomes. III. Free and Protein-bound Dopa and 5-S-Cysteinyldopa in B16 and Harding-Passey Melanomas. Journal of Investigative Dermatology, 1983, 80, 207-209.	0.7	30
151	Thein vivo antimelanoma effect of 4-S-cysteaminylphenol and its N-acetyl derivative. International Journal of Cancer, 1990, 46, 931-934.	5.1	30
152	Effects of genic substitution at the pink-eyed dilution locus on the proliferation and differentiation of mouse epidermal melanocytes in vivo and in vitro. The Journal of Experimental Zoology, 2002, 292, 351-366.	1.4	30
153	An oxygen transporter hemocyanin can act on the late pathway of melanin synthesis. Pigment Cell & Melanoma Research, 2005, 18, 214-219.	3.6	30
154	The histological analysis, colorimetric evaluation, and chemical quantification of melanin content in 'suntanned' fish. Pigment Cell & Melanoma Research, 2005, 18, 050913023553003.	3.6	30
155	Dominant Red Coat Color in Holstein Cattle Is Associated with a Missense Mutation in the Coatomer Protein Complex, Subunit Alpha (COPA) Gene. PLoS ONE, 2015, 10, e0128969.	2.5	30
156	CK1Î± ablation in keratinocytes induces p53-dependent, sunburn-protective skin hyperpigmentation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8035-E8044.	7.1	30
157	Pheomelanin pigment remnants mapped in fossils of an extinct mammal. Nature Communications, 2019, 10, 2250.	12.8	30
158	Antimelanoma Activity of Chloroquine, an Antimalarial Agent With High Affinity for Melanin. Pigment Cell & Melanoma Research, 1993, 6, 354-358.	3.6	29
159	Effects of genic substitution at the agouti, brown, albino, dilute, and pink-eyed dilution loci on the proliferation and differentiation of mouse epidermal melanocytes in serum-free culture. European Journal of Cell Biology, 1998, 75, 184-191.	3.6	29
160	Biochemical Mechanism of Rhododendrol-Induced Leukoderma. International Journal of Molecular Sciences, 2018, 19, 552.	4.1	29
161	Depigmentation of black Guinea Pig Skin by Topical Application of Cysteaminylphenol, Cysteinylphenol, and Related Compounds. Journal of Investigative Dermatology, 1987, 88, 77-82.	0.7	28
162	The Presence of Tyrosinase and Related Proteins in Human Epidermis and Their Relationship to Melanin Type. Pigment Cell & Melanoma Research, 1994, 7, 204-209.	3.6	28

#	Article	IF	Citations
163	Mammalian pigmentation is regulated by a distinct cAMP-dependent mechanism that controls melanosome pH. Science Signaling, 2018, 11, .	3.6	28
164	Rhododenol-induced leukoderma in a mouse model mimicking Japanese skin. Journal of Dermatological Science, 2016, 81, 35-43.	1.9	27
165	Acid hydrolysis reveals a low but constant level of pheomelanin in human black to brown hair. Pigment Cell and Melanoma Research, 2018, 31, 393-403.	3.3	27
166	Pheomelanogenesis is promoted at a weakly acidic <scp>pH</scp>. Pigment Cell and Melanoma Research, 2017, 30, 372-377.	3.3	26
167	Fossil insect eyes shed light on trilobite optics and the arthropod pigment screen. Nature, 2019, 573, 122-125.	27.8	26
168	The mechanism of toxicity of 5-S-cysteinyldopa to tumour cells. Biochemical Pharmacology, 1983, 32, 2079-2081.	4.4	25
169	Melanin Chemistry and Melanin Precursors in Melanoma.. Journal of Investigative Dermatology, 1989, 92, 261S-265S.	0.7	25
170	One-year pilot study on the effects of nitisinone on melanin in patients with OCA-1B. JCI Insight, 2019, 4, .	5.0	25
171	Formation of cysteine conjugates from dihydroxyphenylalanine and its S-cysteinyl derivatives by peroxidase-catalyzed oxidation. Biochimica Et Biophysica Acta - General Subjects, 1981, 672, 151-157.	2.4	23
172	One-step Synthesis of (2-Amino-2-carboxyethylthio)dopas (Cys-dopas) from Dopa and Cysteine by Hydrogen Peroxide in the Presence of Ironâ€“EDTA Complex. Bulletin of the Chemical Society of Japan, 1983, 56, 365-366.	3.2	23
173	Oxygen-dependent conjugation of dopa with cysteine catalysed by iron-edta complex. Biochemical Pharmacology, 1984, 33, 2193-2197.	4.4	23
174	Pigment Types of Various Color Genotypes of Horses. Pigment Cell & Melanoma Research, 1988, 1, 410-413.	3.6	23
175	Seasonal Variation in Serum Concentration of 5-S-Cysteinyldopa and 6-Hydroxy-5-Methoxyindole-2-Carboxylic Acid in Healthy Japanese. Pigment Cell & Melanoma Research, 1995, 8, 132-134.	3.6	23
176	Childhood malnutrition is associated with a reduction in the total melanin content of scalp hair. British Journal of Nutrition, 2007, 98, 159-164.	2.3	23
177	Degree of polymerization of 5,6â€dihydroxyindoleâ€derived eumelanin from chemical degradation study. Pigment Cell and Melanoma Research, 2014, 27, 664-667.	3.3	23
178	Insect Melanogenesis. II. Inability of Manduca Phenoloxidase to Act on 5, 6-Dihydroxyindole-2-Carboxylic Acid1. Pigment Cell & Melanoma Research, 1999, 12, 118-125.	3.6	22
179	Reduction of the Nitro Group to Amine by Hydroiodic Acid to Synthesize o-Aminophenol Derivatives as Putative Degradative Markers of Neuromelanin. Molecules, 2014, 19, 8039-8050.	3.8	22
180	Mineralized rods and cones suggest colour vision in a 300â€‰Myr-old fossil fish. Nature Communications, 2014, 5, 5920.	12.8	22

#	Article	IF	Citations
181	Quantifying variation in human scalp hair fiber shape and pigmentation. American Journal of Physical Anthropology, 2016, 160, 341-352.	2.1	22
182	Tyrosinase-Catalyzed Oxidation of the Leukoderma-Inducing Agent Raspberry Ketone Produces (E)-4-(3-Oxo-1-butenyl)-1,2-benzoquinone: Implications for Melanocyte Toxicity. Chemical Research in Toxicology, 2017, 30, 859-868.	3.3	22
183	Non-integumentary melanosomes can bias reconstructions of the colours of fossil vertebrates. Nature Communications, 2018, 9, 2878.	12.8	22
184	Taphonomic experiments resolve controls on the preservation of melanosomes and keratinous tissues in feathers. Palaeontology, 2020, 63, 103-115.	2.2	22
185	Improved HPLC Conditions to Determine Eumelanin and Pheomelanin Contents in Biological Samples Using an Ion Pair Reagent. International Journal of Molecular Sciences, 2020, 21, 5134.	4.1	22
186	The Metabolic Fate of ortho-Quinones Derived from Catecholamine Metabolites. International Journal of Molecular Sciences, 2016, 17, 164.	4.1	21
187	Effects of Aging on Hair Color, Melanosome Morphology, and Melanin Composition in Japanese Females. International Journal of Molecular Sciences, 2019, 20, 3739.	4.1	21
188	Spiny Mice Modulate Eumelanin to Pheomelanin Ratio to Achieve Cryptic Coloration in â€œEvolution Canyon,â€•Israel. PLoS ONE, 2010, 5, e8708.	2.5	21
189	Phenolic Melanin Precursors Provide a Rational Approach to the Design of Antitumor Agents for Melanoma. Pigment Cell & Melanoma Research, 1989, 2, 34-39.	3.6	20
190	Mechanism of growth inhibition of melanoma cells by 4-S-cysteaminylphenol and its analogues. Biochemical Pharmacology, 1990, 39, 1077-1083.	4.4	20
191	Mechanism of antiinflammatory and antithermal burn action of CPase fromAloe arborescens Miller var.natalensis Berger in rats and mice. Phytotherapy Research, 1993, 7, S30-S33.	5.8	20
192	Comparison of Structural and Chemical Properties of Black and Red Human Hair Melanosomes^{Â¶}. Photochemistry and Photobiology, 2005, 81, 135-144.	2.5	20
193	T-cell receptor repertoires of tumor-infiltrating lymphocytes after hyperthermia using functionalized magnetite nanoparticles. Nanomedicine, 2013, 8, 891-902.	3.3	20
194	High-Performance Liquid Chromatography (HPLC) Analysis of Eu- and Pheomelanin in Melanogenesis Control. Journal of Investigative Dermatology, 1993, 100, 166S-171S.	0.7	20
195	Pigment Types in Sheep, Goats, and Llamas. Pigment Cell & Melanoma Research, 1988, 1, 414-418.	3.6	19
196	Mid-infrared absorption spectrum of 5,6-dihydroxyindole-2-carboxylic acid. Chemical Physics Letters, 2007, 433, 355-359.	2.6	19
197	Pigment Types in Selected Color Genotypes of Asiatic Sheep. Pigment Cell & Melanoma Research, 1990, 3, 177-180.	3.6	18
198	Biochemical properties of carboxypeptidase fromAloe arborescens Miller var.natalensis Berger. Phytotherapy Research, 1993, 7, S26-S29.	5.8	18

#	Article	IF	Citations
199	Ultraviolet Absorption Coefficients of Melanosomes Containing Eumelanin As Related to the Relative Content of DHI and DHICA. Journal of Physical Chemistry Letters, 2010, 1, 2391-2395.	4.6	18
200	Tyrosinaseâ€catalyzed oxidation of resveratrol produces a highly reactive orthoâ€quinone: Implications for melanocyte toxicity. Pigment Cell and Melanoma Research, 2019, 32, 766-776.	3.3	18
201	Isolation and characterization of adenochrome, a unique iron(III)-binding peptide from Octopus vulgaris. Journal of the Chemical Society Perkin Transactions 1, 1979, , 2617.	0.9	17
202	Melaninâ€related Metabolites as Markers of Melanoma: A Review. Journal of Dermatology, 1992, 19, 802-805.	1.2	17
203	HPLC Analysis of Pheomelanin Degradation Products in Human Urine. Pigment Cell & Melanoma Research, 2003, 16, 480-486.	3.6	17
204	Comparison of phaeomelanin and its precursor 5-S-cysteinyldopa in the serum of melanoma patients. Melanoma Research, 2003, 13, 357-363.	1.2	17
205	The mouse pinkâ€eyed dilution allele of the Pâ€gene greatly inhibits eumelanin but not pheomelanin synthesis. Pigment Cell and Melanoma Research, 2011, 24, 241-246.	3.3	17
206	The potent proâ€oxidant activity of rhododendrolâ€“eumelanin induces cysteine depletion in B16 melanoma cells. Pigment Cell and Melanoma Research, 2017, 30, 63-67.	3.3	17
207	Growth inhibition of melanoma cells by N-protected dopa derivatives. Biochemical Pharmacology, 1987, 36, 3537-3540.	4.4	16
208	Specific Incorporation of 4-S-Cysteinylphenol into Human Melanoma Cells. Journal of Investigative Dermatology, 1988, 90, 725-728.	0.7	16
209	4-S-Cysteaminylphenol and its Analogues as Substrates for Tyrosinase and Monoamine Oxidase. Pigment Cell & Melanoma Research, 1990, 3, 146-149.	3.6	16
210	Changes in the Proliferation and Differentiation of Neonatal Mouse Pink-Eyed Dilution Melanocytes in the Presence of Excess Tyrosine. Pigment Cell & Melanoma Research, 2003, 16, 619-628.	3.6	16
211	The slaty mutation affects eumelanin and pheomelanin synthesis in mouse melanocytes. European Journal of Cell Biology, 2006, 85, 537-549.	3.6	16
212	Stem cell factor rescues tyrosinase expression and pigmentation in discreet anatomic locations in albino mice. Pigment Cell and Melanoma Research, 2009, 22, 827-838.	3.3	16
213	N-propionyl-4-S-cysteaminylphenol induces apoptosis in B16F1 cells and mediates tumor-specific T-cell immune responses in a mouse melanoma model. Journal of Dermatological Science, 2012, 67, 51-60.	1.9	16
214	Synchrotron X-ray absorption spectroscopy of melanosomes in vertebrates and cephalopods: implications for the affinity of Tullimonstrum. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191649.	2.6	16
215	The Oxidative Pathway to Dopamineâ€“Protein Conjugates and Their Pro-Oxidant Activities: Implications for the Neurodegeneration of Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2019, 20, 2575.	4.1	16
216	Photobleaching of pheomelanin increases its phototoxic potential: Physicochemical studies of synthetic pheomelanin subjected to aerobic photolysis. Pigment Cell and Melanoma Research, 2019, 32, 359-372.	3.3	16

#	Article	IF	Citations
217	High-Performance Liquid Chromatography (HPLC) Analysis of Eu- and Pheomelanin in Melanogenesis Control.. Journal of Investigative Dermatology, 1993, 100, 166S-171S.	0.7	16
218	The Cytotoxicity of Cysteinylcatechols and Related Compounds to Human Melanoma Cells In Vitro. Journal of Investigative Dermatology, 1987, 88, 538-540.	0.7	15
219	Serum 5â€Šâ€Cysteinyldopa (5â€Šâ€CD) as a Marker of Melanoma Progression. Journal of Dermatology, 1992, 19, 809-813.	1.2	15
220	Mechanism of putative neo-antigen formation from N-propionyl-4-S-cysteaminylphenol, a tyrosinase substrate, in melanoma models. Biochemical Pharmacology, 2012, 84, 646-653.	4.4	15
221	Chemical characterization of pterosaur melanin challenges color inferences in extinct animals. Scientific Reports, 2019, 9, 15947.	3.3	15
222	Melanin Chemistry and Melanin Precursors in Melanoma. Journal of Investigative Dermatology, 1989, 92, S261-S265.	0.7	15
223	Synthesis of 2-S-cysteinylhistidine and 2-mercaptohistidine via bromolactone derivative of histidine. Journal of Organic Chemistry, 1985, 50, 3636-3638.	3.2	14
224	Tissue Factor Expression and Serum Level in Patients with Melanoma does not Correlate with Disease Progression. Pigment Cell & Melanoma Research, 2001, 14, 195-200.	3.6	14
225	Serum Levels of Pigmentation Markers Are Elevated in Patients Undergoing Hemodialysis. Blood Purification, 2007, 25, 483-489.	1.8	14
226	Nonenzymatic Spontaneous Oxidative Transformation of 5,6-Dihydroxyindole. International Journal of Molecular Sciences, 2020, 21, 7321.	4.1	14
227	Chemical Analysis of Melanin Pigments in Feather Germs of Japanese Quail Bh (Black at Hatch) Mutants. Pigment Cell & Melanoma Research, 1999, 12, 259-265.	3.6	13
228	Ultrafast absorption and photothermal studies of decarboxytrichochrome C in solutionDedicated to Professor Silvia Braslavsky, to mark her great contribution to photochemistry and photobiology particularly in the field of photothermal methods.. Photochemical and Photobiological Sciences, 2003, 2, 821.	2.9	13
229	Determination of eumelanin in human urine. Pigment Cell & Melanoma Research, 2006, 19, 163-169.	3.6	13
230	High levels of melanin-related metabolites in plasma from pink-eyed dilution mice. Pigment Cell & Melanoma Research, 2007, 20, 222-224.	3.6	13
231	Estrogen Increases Hair Pigmentation in Female Recessive Yellow Mice. Zoological Science, 2010, 27, 470-476.	0.7	13
232	Melanoma-Targeted Chemothermotherapy andIn SituPeptide Immunotherapy through HSP Production by Using Melanogenesis Substrate, NPrCAP, and Magnetite Nanoparticles. Journal of Skin Cancer, 2013, 2013, 1-12.	1.2	13
233	Variants in melanogenesisâ€related genes associate with skin cancer risk among <scp>J</scp>apanese populations. Journal of Dermatology, 2014, 41, 296-302.	1.2	13
234	High brood patch temperature of less colourful, less pheomelanic female Barn Swallows Hirundo rustica. Ibis, 2016, 158, 808-820.	1.9	13

#	Article	IF	Citations
235	Measurement of Melanin Metabolism in Live Cells by [U-13C]-L-Tyrosine Fate Tracing Using Liquid Chromatography-Mass Spectrometry. Journal of Investigative Dermatology, 2021, 141, 1810-1818.e6.	0.7	13
236	Excess tyrosine rescues the reduced activity of proliferation and differentiation of cultured recessive yellow melanocytes derived from neonatal mouse epidermis. European Journal of Cell Biology, 2007, 86, 315-330.	3.6	12
237	Adaptation of Pelage Color and Pigment Variations in Israeli Subterranean Blind Mole Rats, Spalax Ehrenbergi. PLoS ONE, 2013, 8, e69346.	2.5	12
238	Eumelanin levels in rufous feathers explain plasma testosterone levels and survival in swallows. Ecology and Evolution, 2019, 9, 2755-2764.	1.9	12
239	Visible light accelerates the ultraviolet Aâ€induced degradation of eumelanin and pheomelanin. Pigment Cell and Melanoma Research, 2019, 32, 441-447.	3.3	12
240	The role of hydrogen peroxide and singlet oxygen in the photodegradation of melanin. Photochemical and Photobiological Sciences, 2020, 19, 654-667.	2.9	12
241	Rhododendrolâ€induced leukoderma update I: Clinical findings and treatment. Journal of Dermatology, 2021, 48, 961-968.	1.2	12
242	2,5-S,S-Dicysteinyldopa: A new amino acid in the eye of the gar and its enzymic synthesis. Tetrahedron Letters, 1975, 16, 3287-3290.	1.4	11
243	5-S-Cysteinyldopa as Diagnostic Tumor Marker for Uveal Malignant Melanoma. Japanese Journal of Ophthalmology, 2001, 45, 538-542.	1.9	11
244	Comparisons of the Structural and Chemical Properties of Melanosomes Isolated from Retinal Pigment Epithelium, Iris and Choroid of Newborn and Mature Bovine Eyes^{Â¶}. Photochemistry and Photobiology, 2005, 81, 510-516.	2.5	11
245	A close relationship between androgen levels and eumelanogenesis in the teleost red seabream (Pagrus major): Quantitative analysis of its seasonal variation and effects of oral treatment with methyl-testosterone. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2010, 156, 184-189.	1.8	11
246	Identification of ester glucuronide and sulfate conjugates of 5-hydroxy-6-methoxyindole-2-carboxylic acid and 6-hydroxy-5-methoxyindole-2-carboxylic acid in melanoma urine. Journal of Dermatological Science, 1990, 1, 253-259.	1.9	10
247	Î³ -Glutamyl Transpeptidase and its Role in Melanogenesis: Redox Reactions and Regulation of Tyrosinase. Pigment Cell & Melanoma Research, 2002, 15, 420-425.	3.6	10
248	Evaluation of melanin-related metabolites as markers of solar ultraviolet-B radiation. Pigment Cell & Melanoma Research, 2006, 19, 460-464.	3.6	10
249	The eumelanin and pheomelanin contents in dorsal hairs of female recessive yellow mice are greater than in male. Journal of Dermatological Science, 2007, 45, 55-62.	1.9	10
250	Cutaneous pharmacologic cAMP induction induces melanization of the skin and improves recovery from ultraviolet injury in melanocortin 1 receptorâ€intact or heterozygous skin. Pigment Cell and Melanoma Research, 2020, 33, 30-40.	3.3	10
251	Rhododendrolâ€induced leukoderma update II: Pathophysiology, mechanisms, risk evaluation, and possible mechanismâ€based treatments in comparison with vitiligo. Journal of Dermatology, 2021, 48, 969-978.	1.2	10
252	Differential Induction of Reactive Oxygen Species and Expression of Antioxidant Enzymes in Human Melanocytes Correlate with Melanin Content: Implications on the Response to Solar UV and Melanoma Susceptibility. Antioxidants, 2022, 11, 1204.	5.1	10

#	Article	IF	Citations
253	Quantitative trait loci that modify the sootiness of yellow pigmentation in KK-A y /a mice. Mammalian Genome, 2000, 11, 639-644.	2.2	9
254	A novel RFP-RET transgenic mouse model with abundant eumelanin in the cochlea. Hearing Research, 2004, 195, 35-40.	2.0	9
255	Excess Tyrosine Stimulates Eumelanin and Pheomelanin Synthesis in Cultured Slaty Melanocytes from Neonatal Mouse Epidermis. Zoological Science, 2007, 24, 209-217.	0.7	9
256	Melanins seem to be everywhere in the body, but for what?. Pigment Cell and Melanoma Research, 2009, 22, 12-13.	3.3	9
257	Mid-infrared vibrational spectroscopic characterization of 5,6-dihydroxyindole and eumelanin derived from it. Chemical Physics Letters, 2011, 517, 211-216.	2.6	9
258	Density Functional Theory-Based Calculation Shed New Light on the Bizarre Addition of Cysteine Thiol to Dopaquinone. International Journal of Molecular Sciences, 2021, 22, 1373.	4.1	9
259	Pigment Cells Representing Polychromatic Colony Color in Botrylloides simodensis (Ascidiacea,) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	8
260	Chemical Evaluation of Eumelanin Maturation by ToF-SIMS and Alkaline Peroxide Oxidation HPLC Analysis. International Journal of Molecular Sciences, 2021, 22, 161.	4.1	8
261	Effect of long-term melatonin administration on school-phobic children and adolescents with sleep disturbances. Current Therapeutic Research, 1999, 60, 607-612.	1.2	7
262	Cyclic Oscillations in Melanin Composition within Hairs of Baboons. Pigment Cell & Melanoma Research, 2001, 14, 180-184.	3.6	7
263	Purification and growth of melanocortin 1 receptor (Mc1r)-defective primary murine melanocytes is dependent on stem cell factor (SFC) from keratinocyte-conditioned media. In Vitro Cellular and Developmental Biology - Animal, 2009, 45, 577-583.	1.5	7
264	Increased cysteinyldopa plasma levels hint to melanocyte as stress sensor in psoriasis. Experimental Dermatology, 2011, 20, 288-290.	2.9	7
265	The mouse rubyâ€eye 2^d (ru2^d/scp>H</scp>ps5^{ru2â€d}) allele inhibits eumelanin but not pheomelanin synthesis. Pigment Cell and Melanoma Research, 2013, 26, 723-726.	3.3	7
266	Ethanol induces skin hyperpigmentation in mice with aldehyde dehydrogenase 2 deficiency. Chemico-Biological Interactions, 2019, 302, 61-66.	4.0	7
267	The influence of iron on selected properties of synthetic pheomelanin. Cell Biochemistry and Biophysics, 2020, 78, 181-189.	1.8	7
268	Establishment of a mouse model for postâ€inflammatory hyperpigmentation. Pigment Cell and Melanoma Research, 2021, 34, 101-110.	3.3	7
269	Pigment Cells Representing Polychromatic Colony Color in Botrylloides simodensis (Ascidiacea,) Tj ETQq1 1 0.784314 rgBT /Overlock	0.7	7
270	Concerted variation in melanogenesis genes underlies emergent patterning of plumage in capuchino seedeaters. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212277.	2.6	7

#	Article	IF	Citations
271	Immunomodulation of Melanoma by Chemo-Thermo-Immunotherapy Using Conjugates of Melanogenesis Substrate NPrCAP and Magnetite Nanoparticles: A Review. International Journal of Molecular Sciences, 2022, 23, 6457.	4.1	7
272	Synthesis and selective in vitro anti-melanoma effect of enantiomeric ??-methyl- and ??-ethyl-4-S-cysteaminylphenol. Melanoma Research, 2003, 13, 603-609.	1.2	6
273	Pheomelanin Production in the Epidermis from Newborn Agouti Mice is Induced by the Expression of the Agouti Gene in the Dermis. Pigment Cell & Melanoma Research, 2004, 17, 506-514.	3.6	6
274	Regioselectivity on the cooxidation of 5,6-dihydroxyindole and its 2-carboxy derivative from the quantum chemical calculations. Chemical Physics Letters, 2010, 490, 226-229.	2.6	6
275	The slaty (slt/Dct^{slt}) allele decreases the content of eumelanin, but not pheomelanin in the mouse hair. Pigment Cell and Melanoma Research, 2016, 29, 110-112.	3.3	6
276	Males with More Pheomelanin Have a Lower Oxidative Balance in Asian Barn Swallows (Hirundo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	6
277	Thioredoxin Reductase 1 Modulates Pigmentation and Photobiology of Murine Melanocytes inÂvivo. Journal of Investigative Dermatology, 2022, 142, 1903-1911.e5.	0.7	6
278	Obesity and Hyperphagia With Increased Defective ACTH: A Novel POMC Variant. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e3699-e3704.	3.6	6
279	In vivo antimelanoma effects of 4-S-cysteaminylphenol, a newly synthesized therapeutic agent specific to melanoma. Journal of Cancer Research and Clinical Oncology, 1993, 119, 470-474.	2.5	5
280	Inhibition of Transglutaminase by Synthetic Tyrosine Melanin. Bioscience, Biotechnology and Biochemistry, 2002, 66, 1412-1414.	1.3	5
281	TLR4 and NLRP3 inflammasome activation in monocytes by N-propionyl cysteaminylphenol-maleimide-dextran (NPCMD). Journal of Dermatological Science, 2014, 73, 209-215.	1.9	5
282	4â€(4â€Hydroxyphenyl)â€2â€butanol (rhododendrol)â€induced melanocyte cytotoxicity is enhanced by <scp>UVB</scp> exposure through generation of oxidative stress. Experimental Dermatology, 2018, 27, 754-762.	2.9	5
283	Evolution of short tails and breakdown of honest signaling system during a severe winter in the Pacific swallow Hirundo tahitica. Evolutionary Ecology, 2019, 33, 403-416.	1.2	5
284	Kojic acid alters pheomelanin content in human induced pluripotent stem cellâ€derived melanocytes. Journal of Dermatology, 2020, 47, 435-436.	1.2	5
285	Application of mid-infrared free-electron laser for structural analysis of biological materials. Journal of Synchrotron Radiation, 2021, 28, 28-35.	2.4	5
286	Photoreactivity of Hair Melanin from Different Skin Phototypesâ€”Contribution of Melanin Subunits to the Pigments Photoreactive Properties. International Journal of Molecular Sciences, 2021, 22, 4465.	4.1	5
287	Photobleached Oxidative Degradation of Melanins: Chemical Characterization of Melanins Present in Alpaca Fiber. Photochemistry and Photobiology, 2021, , .	2.5	5
288	Detection of thiols on thin-layer chromatograms with 3,5-di-tert.-butyl-1,2-benzoquinone-iron(III) chloride. Journal of Chromatography A, 1980, 187, 418-420.	3.7	4

#	Article	IF	Citations
289	Comparison of in vivo anti-melanoma effect of enantiomeric Î±-methyl- and Î±-ethyl-4-S-cysteaminylphenol. Melanoma Research, 2004, 14, 115-120.	1.2	4
290	A Novel Deletion Mutation of Mouse ruby-eye 2 Namedru2d/Hps5ru2-dInhibits Melanocyte Differentiation and Its Impaired Differentiation is Rescued by L-tyrosine. Zoological Science, 2011, 28, 790-801.	0.7	4
291	The potent proâ€oxidant activity of rhododendrolâ€“eumelanin is enhanced by ultraviolet A radiation. Pigment Cell and Melanoma Research, 2018, 31, 523-528.	3.3	4
292	Skin Pigmentation: Is the Control of Melanogenesis a Target within Reach?. International Journal of Molecular Sciences, 2018, 19, 4040.	4.1	4
293	Melanins in Vertebrates. , 2021, , 45-89.		4
294	The Oxidation of Equol by Tyrosinase Produces a Unique Di-ortho-Quinone: Possible Implications for Melanocyte Toxicity. International Journal of Molecular Sciences, 2021, 22, 9145.	4.1	4
295	Fluctuation of serum 5-S-CD(5-S-cysteinyldopa) and prognosis of malignant melanoma.. Skin Cancer, 1991, 6, 304-308.	0.0	4
296	Oxidative Transformations of 3,4-Dihydroxyphenylacetaldehyde Generate Potential Reactive Intermediates as Causative Agents for Its Neurotoxicity. International Journal of Molecular Sciences, 2021, 22, 11751.	4.1	4
297	Accumulation of N-methyl-4-phenylpyridinium ion (MPP+) in human melanoma cell line, HMV-I and -II. Neuroscience Letters, 1988, 87, 57-62.	2.1	3
298	Case of Hermanskyâ€“Pudlak syndrome 1 patient with milder symptoms in Japanese. Journal of Dermatology, 2014, 41, 268-270.	1.2	3
299	The MouseBrown(b/Tyrp1^b) Allele Does Not Affect Pheomelanin Synthesis in Mice. Zoological Science, 2014, 31, 53-63.	0.7	3
300	Oxidative Oligomerization of DBL Catechol, a potential Cytotoxic Compound for Melanocytes, Reveals the Occurrence of Novel Ionic Diels-Alder Type Additions. International Journal of Molecular Sciences, 2020, 21, 6774.	4.1	3
301	Impact of a SLC24A5 variant on the retinal pigment epithelium of a Japanese patient with oculocutaneous albinism type 6. Pigment Cell and Melanoma Research, 2022, 35, 212-219.	3.3	3
302	Comparison of High Performance Liquid Chromatography and Stereological Image Analysis for the Quantitation of Eumelanins and Pheomelanins in Melanoma Cells*. Pigment Cell & Melanoma Research, 1998, 11, 86-93.	3.6	2
303	Serum Levels of 5-S-Cysteinyldopa Are Correlated with Skin Colors in Hemodialysis Patients but Not in Peritoneal Dialysis Patients. Blood Purification, 2009, 28, 209-215.	1.8	2
304	Imaging, Chemical and Spectroscopic Studies of the Methylationâ€induced Decomposition of Melanosomes^{â€}. Photochemistry and Photobiology, 2010, 86, 765-771.	2.5	2
305	1-(2,4-Dihydroxyphenyl)-3-(2,4-dimethoxy-3-methylpheny)propane inhibits melanin synthesis by dual mechanisms. Journal of Dermatological Science, 2011, 63, 115-21.	1.9	2
306	A New Mutation of Mouse Ruby-eye 2,ru2^d/Hps5^{ru2-d}Inhibits Eumelanin Synthesis but Stimulates Pheomelanin Synthesis in Melanocytes. Zoological Science, 2012, 29, 652-661.	0.7	2

#	Article	IF	Citations
307	Structure and Function of Neuromelanin. Advances in Behavioral Biology, 2002, , 269-272.	0.2	2
308	A framework to mitigate the risk of chemical leukoderma: Consumer products. Regulatory Toxicology and Pharmacology, 2022, 131, 105157.	2.7	2
309	Alteration of Melanoma Melanogenesis by Phenotypic Modifiers. Journal of Dermatology, 1992, 19, 814-817.	1.2	1
310	Sex allocation based on maternal body size in Japanese barn swallows. Ethology Ecology and Evolution, 2018, 30, 156-167.	1.4	1
311	Utility of Melanin Degradation Products in the Nail for Diagnosing Nail Apparatus Melanoma. Acta Dermato-Venereologica, 2021, 101, adv00387.	1.3	1
312	Human hair melanins: what we have learned and have not learned from mouse coat color pigmentation. Pigment Cell and Melanoma Research, 2011, 24, no-no.	3.3	1
313	Analysis of Eumelanin and Pheomelanin by Ion-pair High Performance Liquid Chromatography. Journal of Society of Cosmetic Chemists of Japan, 2013, 47, 221-225.	0.1	1
314	The effect of a topical vitamin D3 analog on repigmentation in mice with rhododendrol-induced leukoderma. Journal of Dermatological Science, 2022, 106, 127-129.	1.9	1
315	[81] Isolation of S-adenosyl-3-thiopropylamine. Methods in Enzymology, 1983, 94, 463-464.	1.0	0
316	Black mammary tissues of male soft-furred rat, Millardia meltada. Lipofuscin and iron deposition.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1987, 63, 158-160.	3.8	0
317	Development of novel NPrCAP-magnetite nanoparticles and evaluation of the therapeutic effect by chemo-thermo-immunotherapy for melanoma. Journal of Dermatological Science, 2013, 69, e90.	1.9	0
318	Tyrosine peptides provide a color palette upon tyrosinase oxidation: nanosize does matter. Pigment Cell and Melanoma Research, 2017, 30, 4-5.	3.3	0
319	A Case of Menkes' Disease.. Nishinihon Journal of Dermatology, 1992, 54, 473-479.	0.0	0
320	Remembering Keisuke Fujita, MD, PhD, President and Founder of Fujita Health University.. , 2022, 8, 1-2.		0