

Kazumasa Wakamatsu

List of Publications by Year in descending order

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380
papers

19,768
citations

9756

73
h-index

17546

121
g-index

394
all docs

394
docs citations

394
times ranked

14077
citing authors

#	ARTICLE	IF	CITATIONS
1	Okadaic acid: an additional non-phorbol-12-tetradecanoate-13-acetate-type tumor promoter. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 1768-1771.	3.3	602
2	Chemixcitation of melanin derivatives induces DNA photoproducts long after UV exposure. Science, 2015, 347, 842-847.	6.0	421
3	Chemistry of Mixed Melanogenesis—Pivotal Roles of Dopaquinone. Photochemistry and Photobiology, 2008, 84, 582-592.	1.3	393
4	Quantitative Analysis of Eumelanin and Pheomelanin in Humans, Mice, and Other Animals: a Comparative Review. Pigment Cell & Melanoma Research, 2003, 16, 523-531.	4.0	390
5	Melanins and melanogenesis: methods, standards, protocols. Pigment Cell and Melanoma Research, 2013, 26, 616-633.	1.5	365
6	Melanins and melanogenesis: from pigment cells to human health and technological applications. Pigment Cell and Melanoma Research, 2015, 28, 520-544.	1.5	347
7	UV-induced DNA damage and melanin content in human skin differing in racial/ethnic origin. FASEB Journal, 2003, 17, 1177-1179.	0.2	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.	1.4	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.	3.3	325
10	Current challenges in understanding melanogenesis: bridging chemistry, biological control, morphology, and function. Pigment Cell and Melanoma Research, 2009, 22, 563-579.	1.5	316
11	Topical drug rescue strategy and skin protection based on the role of Mc1r in UV-induced tanning. Nature, 2006, 443, 340-344.	13.7	302
12	Advanced Chemical Methods in Melanin Determination. Pigment Cell & Melanoma Research, 2002, 15, 174-183.	4.0	288
13	Pheomelanin as well as Eumelanin Is Present in Human Epidermis. Journal of Investigative Dermatology, 1991, 97, 340-344.	0.3	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.	3.3	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.	1.5	206
16	Melanosomal pH Controls Rate of Melanogenesis, Eumelanin/Phaeomelanin Ratio and Melanosome Maturation in Melanocytes and Melanoma Cells. Experimental Cell Research, 2001, 268, 26-35.	1.2	204
17	The Usefulness of 4-Amino-3-hydroxyphenylalanine as a Specific Marker of Pheomelanin. Pigment Cell & Melanoma Research, 2002, 15, 225-232.	4.0	198
18	Spectrophotometric Characterization of Eumelanin and Pheomelanin in Hair. Pigment Cell & Melanoma Research, 1996, 9, 265-270.	4.0	188

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19	Regulation of human skin pigmentation and responses to ultraviolet radiation. <i>Pigment Cell & Melanoma Research</i> , 2007, 20, 2-13.	4.0	188
20	Slc7a11 gene controls production of pheomelanin pigment and proliferation of cultured cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10964-10969.	3.3	186
21	Chemical Characterization of Hair Melanins in Various Coat-Color Mutants of Mice. <i>Journal of Investigative Dermatology</i> , 1995, 105, 361-366.	0.3	182
22	Human melanocortin 1 receptor variants, receptor function and melanocyte response to UV radiation. <i>Journal of Cell Science</i> , 2002, 115, 2349-2355.	1.2	174
23	Melanin acts as a potent UVB photosensitizer to cause an atypical mode of cell death in murine skin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15076-15081.	3.3	173
24	Identification of Glypican-3 as a Novel Tumor Marker for Melanoma. <i>Clinical Cancer Research</i> , 2004, 10, 6612-6621.	3.2	171
25	Direct chemical evidence for eumelanin pigment from the Jurassic period. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 10218-10223.	3.3	166
26	Characterisation of ACTH Peptides in Human Skin and Their Activation of the Melanocortin-1 Receptor. <i>Pigment Cell & Melanoma Research</i> , 1997, 10, 288-297.	4.0	162
27	Comparison of Structural and Chemical Properties of Black and Red Human Hair Melanosomes. <i>Photochemistry and Photobiology</i> , 2005, 81, 135.	1.3	160
28	The structure of neuromelanin as studied by chemical degradative methods. <i>Journal of Neurochemistry</i> , 2003, 86, 1015-1023.	2.1	158
29	Chemical Analysis of Melanins and its Application to the Study of the Regulation of Melanogenesis. <i>Pigment Cell & Melanoma Research</i> , 2000, 13, 103-109.	4.0	157
30	How feather colour reflects its melanin content. <i>Functional Ecology</i> , 2005, 19, 816-821.	1.7	152
31	Human melanocortin 1 receptor variants, receptor function and melanocyte response to UV radiation. <i>Journal of Cell Science</i> , 2002, 115, 2349-55.	1.2	150
32	Cutaneous Photobiology. The Melanocyte vs. the Sun: Who Will Win the Final Round?. <i>Pigment Cell & Melanoma Research</i> , 2003, 16, 434-447.	4.0	149
33	Ion-Exchange and Adsorption of Fe(III) by Sepia Melanin. <i>Pigment Cell & Melanoma Research</i> , 2004, 17, 262-269.	4.0	147
34	Influence of melanocyte-stimulating hormone and of ultraviolet radiation on the transfer of melanosomes to keratinocytes. <i>FASEB Journal</i> , 2002, 16, 1-27.	0.2	135
35	Corticosterone mediates the condition-dependent component of melanin-based coloration. <i>Animal Behaviour</i> , 2008, 75, 1351-1358.	0.8	135
36	Linking a mutation to survival in wild mice. <i>Science</i> , 2019, 363, 499-504.	6.0	126

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37	Diarrhetic Shellfish Toxin, Dinophysistoxin-1, Is a Potent Tumor Promoter on Mouse Skin. Japanese Journal of Cancer Research, 1988, 79, 1089-1093.	1.7	125
38	Chemical Degradation of Melanins: Application to Identification of Dopamine-melanin. Pigment Cell & Melanoma Research, 1998, 11, 120-126.	4.0	121
39	Melanin Biosynthesis in <i>Cryptococcus neoformans</i> . Journal of Bacteriology, 1998, 180, 1570-1572.	1.0	121
40	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.	1.5	120
41	Chronic exposure to low-dose radiation at Chernobyl favours adaptation to oxidative stress in birds. Functional Ecology, 2014, 28, 1387-1403.	1.7	119
42	<i>Melanocortin 1 receptor</i> genotype: an important determinant of the damage response of melanocytes to ultraviolet radiation. FASEB Journal, 2010, 24, 3850-3860.	0.2	118
43	Ptaquiloside, a novel norsesquiterpene glucoside from bracken, var.. Tetrahedron Letters, 1983, 24, 4117-4120.	0.7	117
44	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.	4.0	115
45	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.	4.0	114
46	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.	4.0	112
47	Melanin content and MC1R function independently affect UVR-induced DNA damage in cultured human melanocytes. Pigment Cell & Melanoma Research, 2006, 19, 303-314.	4.0	112
48	Characterization of melanin in human iridal and choroidal melanocytes from eyes with various colored irides. Pigment Cell and Melanoma Research, 2008, 21, 97-105.	1.5	111
49	α -Melanocyte-Stimulating Hormone Increases the Eumelanin:Pheomelanin Ratio in Cultured Human Melanocytes. Journal of Investigative Dermatology, 1995, 104, 83-85.	0.3	110
50	Predicting Phenotype from Genotype: Normal Pigmentation*. Journal of Forensic Sciences, 2010, 55, 315-322.	0.9	110
51	The Neuromelanin of Human Substantia Nigra: Physiological and Pathogenic Aspects. Pigment Cell & Melanoma Research, 2004, 17, 610-617.	4.0	109
52	Inactivation of Pmel Alters Melanosome Shape But Has Only a Subtle Effect on Visible Pigmentation. PLoS Genetics, 2011, 7, e1002285.	1.5	108
53	Strength and cost of an induced immune response are associated with a heritable melanin-based colour trait in female tawny owls. Journal of Animal Ecology, 2009, 78, 608-616.	1.3	107
54	Eumelanin and pheomelanin concentrations in human epidermis before and after UVB irradiation. Pigment Cell & Melanoma Research, 2005, 18, 220-223.	4.0	104

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55	Adaptive Melanin Response of the Soil Fungus <i>Aspergillus niger</i> to UV Radiation Stress at a Canyon, Mount Carmel, Israel. <i>PLoS ONE</i> , 2008, 3, e2993.	1.1	104
56	A melanin-based trait reflects environmental growth conditions of nestling male Eurasian kestrels. <i>Evolutionary Ecology</i> , 2007, 21, 157-171.	0.5	102
57	Chemical analysis of late stages of pheomelanogenesis: conversion of dihydrobenzothiazine to a benzothiazole structure. <i>Pigment Cell and Melanoma Research</i> , 2009, 22, 474-486.	1.5	99
58	Diversity of human hair pigmentation as studied by chemical analysis of eumelanin and pheomelanin. <i>Journal of the European Academy of Dermatology and Venereology</i> , 2011, 25, 1369-1380.	1.3	99
59	Chemical analysis of constitutive pigmentation of human epidermis reveals constant eumelanin to pheomelanin ratio. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 707-717.	1.5	97
60	An Improved Modification of Permanganate Oxidation of Eumelanin That Gives a Constant Yield of Pyrrole-2,3,5-Tricarboxylic Acid. <i>Pigment Cell & Melanoma Research</i> , 1994, 7, 141-144.	4.0	92
61	Evaluation of melanin-related metabolites as markers of melanoma progression. <i>Cancer</i> , 1994, 73, 629-636.	2.0	88
62	Eumelanin and Pheomelanin Contents of Human Epidermis and Cultured Melanocytes. <i>Pigment Cell & Melanoma Research</i> , 1995, 8, 202-208.	4.0	88
63	Unexpected Endocrine Features and Normal Pigmentation in a Young Adult Patient Carrying a Novel Homozygous Mutation in the POMC Gene. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 4955-4962.	1.8	86
64	Photodegradation of Eumelanin and Pheomelanin and Its Pathophysiological Implications. <i>Photochemistry and Photobiology</i> , 2018, 94, 409-420.	1.3	86
65	Ptaquiloside, a potent carcinogen isolated from bracken fern var. : structure elucidation based on chemical and spectral evidence, and reactions with amino acids, nucleosides, and nucleotides. <i>Tetrahedron</i> , 1987, 43, 5261-5274.	1.0	84
66	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. <i>Condor</i> , 2004, 106, 390-395.	0.7	83
67	Melanin-based coloration predicts aggressiveness and boldness in captive eastern Hermann's tortoises. <i>Animal Behaviour</i> , 2011, 81, 859-863.	0.8	83
68	Quantitative Measures of the Effect of the Melanocortin 1 Receptor on Human Pigmentary Status Presented 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. <i>J Invest Dermatol</i> 119:758, 2002 (abstr).. <i>Journal of Investigative Dermatology</i> , 2004, 122, 423-428.	0.3	82
69	Agouti protein, mahogunin, and attractin in pheomelanogenesis and melanoblast-like alteration of melanocytes: a cAMP-independent pathway. <i>Pigment Cell and Melanoma Research</i> , 2009, 22, 623-634.	1.5	81
70	Soft-tissue evidence for homeothermy and crypsis in a Jurassic ichthyosaur. <i>Nature</i> , 2018, 564, 359-365.	13.7	81
71	Halicholactone and neohalicholactone, two novel fatty acid metabolites from the marine sponge <i>kadota</i> . <i>Tetrahedron Letters</i> , 1989, 30, 4543-4546.	0.7	80
72	YOU CAN'T JUDGE A PIGMENT BY ITS COLOR: CAROTENOID AND MELANIN CONTENT OF YELLOW AND BROWN FEATHERS IN SWALLOWES, BLUEBIRDS, PENGUINS, AND DOMESTIC CHICKENS. <i>Condor</i> , 2004, 106, 390.	0.7	79

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73	Comparisons of the Structural and Chemical Properties of Melanosomes Isolated from Retinal Pigment Epithelium, Iris and Choroid of Newborn and Mature Bovine Eyes. <i>Photochemistry and Photobiology</i> , 2005, 81, 510.	1.3	79
74	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. <i>Pigment Cell & Melanoma Research</i> , 1995, 8, 97-104.	4.0	78
75	4-S-Cysteaminyphenol-loaded magnetite cationic liposomes for combination therapy of hyperthermia with chemotherapy against malignant melanoma. <i>Cancer Science</i> , 2007, 98, 424-430.	1.7	77
76	Preparation of eumelanin-related metabolites 5,6-dihydroxyindole, 5,6-dihydroxyindole-2-carboxylic acid, and their O-methyl derivatives. <i>Analytical Biochemistry</i> , 1988, 170, 335-340.	1.1	75
77	Eumelanin Biosynthesis Is Regulated by Coordinate Expression of Tyrosinase and Tyrosinase-Related Protein-1 Genes. <i>Experimental Cell Research</i> , 1993, 207, 33-40.	1.2	75
78	Chemical Characterization of Eumelanins with Special Emphasis on 5,6-Dihydroxyindole-2-carboxylic Acid Content and Molecular Size. <i>Analytical Biochemistry</i> , 1997, 248, 149-157.	1.1	74
79	Regulation of eumelanin/pheomelanin synthesis and visible pigmentation in melanocytes by ligands of the melanocortin 1 receptor. <i>Pigment Cell and Melanoma Research</i> , 2008, 21, 477-486.	1.5	73
80	UVA-induced oxidative degradation of melanins: fission of indole moiety in eumelanin and conversion to benzothiazole moiety in pheomelanin. <i>Pigment Cell and Melanoma Research</i> , 2012, 25, 434-445.	1.5	73
81	Chemical Reactivities of ortho-Quinones Produced in Living Organisms: Fate of Quinonoid Products Formed by Tyrosinase and Phenoloxidase Action on Phenols and Catechols. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6080.	1.8	72
82	Regulation of DHICA-mediated antioxidation by dopachrome tautomerase: Implication for skin photoprotection against UVA radiation. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1144-1151.	1.3	71
83	TRP-1 expression correlates with eumelanogenesis in human pigment cells in culture. <i>FEBS Letters</i> , 1993, 327, 307-310.	1.3	70
84	Evaluation of 5-S-cysteinyl-dopa as a marker of melanoma progression: 10 years' experience. <i>Melanoma Research</i> , 2002, 12, 245-253.	0.6	69
85	Raman spectroscopy as a non-invasive technique for the quantification of melanins in feathers and hairs. <i>Pigment Cell and Melanoma Research</i> , 2013, 26, 917-923.	1.5	68
86	Catecholamine Oxidative Products, but Not Melanin, Are Produced by <i>Cryptococcus neoformans</i> during Neuropathogenesis in Mice. <i>Infection and Immunity</i> , 1999, 67, 108-112.	1.0	68
87	Cysteine Deprivation Promotes Eumelanogenesis in Human Melanoma Cells. <i>Journal of Investigative Dermatology</i> , 1996, 107, 698-702.	0.3	67
88	Rate Constants for the First Two Chemical Steps of Eumelanogenesis. <i>Pigment Cell & Melanoma Research</i> , 2003, 16, 487-493.	4.0	67
89	Pigmentation effects of solar-simulated radiation as compared with UVA and UVB radiation. <i>Pigment Cell and Melanoma Research</i> , 2008, 21, 487-491.	1.5	67
90	Chemical characterization of pheomelanogenesis starting from dihydroxyphenylalanine or tyrosine and cysteine.. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1997, 1336, 539-548.	1.1	66

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91	Mutations in dopachrome tautomerase (Dct) affect eumelanin/pheomelanin synthesis, but do not affect intracellular trafficking of the mutant protein. <i>Biochemical Journal</i> , 2005, 391, 249-259.	1.7	66
92	Tyrosinase-catalyzed oxidation of rhododendrol produces 2-methylchromane-6,7-dione, the putative ultimate toxic metabolite: implications for melanocyte toxicity. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 744-753.	1.5	66
93	Neuromelanins of Human Brain Have Soluble and Insoluble Components with Dolichols Attached to the Melanic Structure. <i>PLoS ONE</i> , 2012, 7, e48490.	1.1	65
94	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. <i>Clinical Cancer Research</i> , 2005, 11, 8079-8088.	3.2	63
95	Melanin Concentrations in Feathers from Wild and Domestic Pigeons. <i>Journal of Heredity</i> , 1992, 83, 64-67.	1.0	62
96	Interaction of Hermansky-Pudlak Syndrome Genes in the Regulation of Lysosome-Related Organelles. <i>Traffic</i> , 2006, 7, 779-792.	1.3	62
97	Color measurement of the animal integument predicts the content of specific melanin forms. <i>RSC Advances</i> , 2016, 6, 79135-79142.	1.7	61
98	Separation of carcinogenic fraction of bracken fern. <i>Cancer Letters</i> , 1984, 21, 239-246.	3.2	60
99	Neutral p _H and copper ions promote eumelanogenesis after the dopachrome stage. <i>Pigment Cell and Melanoma Research</i> , 2013, 26, 817-825.	1.5	60
100	Norepinephrine and its metabolites are involved in the synthesis of neuromelanin derived from the <i>locus coeruleus</i> . <i>Journal of Neurochemistry</i> , 2015, 135, 768-776.	2.1	58
101	Spectrophotometric Assay of Eumelanin in Tissue Samples. <i>Analytical Biochemistry</i> , 1993, 215, 273-277.	1.1	57
102	Sexual Dimorphism in Melanin Pigmentation, Feather Coloration and Its Heritability in the Barn Swallow (<i>Hirundo rustica</i>). <i>PLoS ONE</i> , 2013, 8, e58024.	1.1	55
103	Agaritine purified from <i>Agaricus blazei</i> Murrill exerts anti-tumor activity against leukemic cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 669-673.	1.1	54
104	Tyrosinase-related proteins suppress tyrosinase-mediated cell death of melanocytes and melanoma cells. <i>Experimental Cell Research</i> , 2004, 298, 317-328.	1.2	52
105	European barn swallows use melanin pigments to color their feathers brown. <i>Behavioral Ecology</i> , 2004, 15, 889-891.	1.0	51
106	Biosynthetic pathway to neuromelanin and its aging process. <i>Pigment Cell and Melanoma Research</i> , 2012, 25, 792-803.	1.5	51
107	Agouti Protein Inhibits the Production of Eumelanin and Pheomelanin in the Presence and Absence of α -Melanocyte Stimulating Hormone. <i>Pigment Cell & Melanoma Research</i> , 1997, 10, 298-303.	4.0	50
108	High-performance liquid chromatography estimation of cross-linking of dihydroxyindole moiety in eumelanin. <i>Analytical Biochemistry</i> , 2013, 434, 221-225.	1.1	50

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109	Photoaging of human retinal pigment epithelium is accompanied by oxidative modifications of its eumelanin. <i>Pigment Cell and Melanoma Research</i> , 2013, 26, 357-366.	1.5	50
110	Levels of tyrosinase and its mRNA in coat-color mutants of C57Bl/10J congenic mice: Effects of genic substitution at theagouti, brown, albino, dilute, and pink-eyed dilution loci. <i>The Journal of Experimental Zoology</i> , 1989, 250, 304-311.	1.4	49
111	Chemical Characterization of Melanins in Sheep Wool and Human Hair. <i>Pigment Cell & Melanoma Research</i> , 1996, 9, 51-57.	4.0	49
112	Effects of Melanogenesis-Inducing Nitric Oxide and Histamine on the Production of Eumelanin and Pheomelanin in Cultured Human Melanocytes. <i>Pigment Cell & Melanoma Research</i> , 2003, 16, 81-84.	4.0	49
113	Aerobic photoreactivity of synthetic eumelanins and pheomelanins: generation of singlet oxygen and superoxide anion. <i>Pigment Cell and Melanoma Research</i> , 2016, 29, 669-678.	1.5	49
114	Stereochemistry of ptaquiloside, a novel norsesquiterpene glucoside from bracken, <i>Pteridium aquilinum</i> var. <i>latiusculum</i> . <i>Tetrahedron Letters</i> , 1983, 24, 5371-5372.	0.7	47
115	Stereocontrolled total synthesis of (-)-anisatin: a neurotoxic sesquiterpenoid possessing a novel spiro .beta.-lactone. <i>Journal of the American Chemical Society</i> , 1990, 112, 9001-9003.	6.6	47
116	Cysteine Transport in Melanosomes from Murine Melanocytes. <i>Pigment Cell & Melanoma Research</i> , 1999, 12, 4-12.	4.0	46
117	Serum levels of sICAM-1 and 5-S-cysteinyldopa as markers of melanoma progression. <i>Melanoma Research</i> , 1997, 7, 58-62.	0.6	45
118	Dihydro-1,4-benzothiazine-6,7-dione, the ultimate toxic metabolite of 4-S-Cysteaminyphenol and 4-S-Cysteaminy catechol. <i>Biochemical Pharmacology</i> , 1997, 53, 1435-1444.	2.0	45
119	Impact of diagenesis and maturation on the survival of eumelanin in the fossil record. <i>Organic Geochemistry</i> , 2013, 64, 29-37.	0.9	45
120	Identification of Shell Colour Pigments in Marine Snails <i>Clanculus pharaonius</i> and <i>C. margaritarius</i> (Trochoidea; Gastropoda). <i>PLoS ONE</i> , 2016, 11, e0156664.	1.1	45
121	Stereocontrolled total synthesis (-)-picrotoxinin and (+)-coriamyrtin via a common isotwistane intermediate. <i>Journal of the American Chemical Society</i> , 1984, 106, 4547-4552.	6.6	44
122	Short- and Long-Term Effects of UV Radiation on the Pigmentation of Human Skin. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 2009, 14, 32-35.	0.8	44
123	Elemental characterisation of melanin in feathers via synchrotron X-ray imaging and absorption spectroscopy. <i>Scientific Reports</i> , 2016, 6, 34002.	1.6	44
124	Influences of Sex, Castration, and Androgens on the Eumelanin and Pheomelanin Contents of Different Feathers in Wild Mallards. <i>Pigment Cell & Melanoma Research</i> , 1995, 8, 164-170.	4.0	43
125	Molecular composition and ultrastructure of Jurassic paravian feathers. <i>Scientific Reports</i> , 2015, 5, 13520.	1.6	42
126	Cystinosin is a melanosomal protein that regulates melanin synthesis. <i>FASEB Journal</i> , 2012, 26, 3779-3789.	0.2	41

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127	Differential gene regulation underlies variation in melanic plumage coloration in the dark-eyed junco (<i>Junco hyemalis</i>). <i>Molecular Ecology</i> , 2018, 27, 4501-4515.	2.0	41
128	Cysteinyldopamine is not incorporated into neuromelanin. <i>Neuroscience Letters</i> , 1991, 131, 57-60.	1.0	40
129	Cutaneous photoprotection and melanoma susceptibility: reaching beyond melanin content to the frontiers of DNA repair. <i>Frontiers in Bioscience - Landmark</i> , 2006, 11, 2157.	3.0	40
130	Effects of Aloe-emodin and Emodin on Proliferation of the MKN45 Human Gastric Cancer Cell Line. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 3887-3891.	0.5	40
131	Pael receptor is involved in dopamine metabolism in the nigrostriatal system. <i>Neuroscience Research</i> , 2007, 59, 413-425.	1.0	39
132	N-Propionyl-Cysteaminylphenol-Magnetite Conjugate (NPrCAP/M) Is a Nanoparticle for the Targeted Growth Suppression of Melanoma Cells. <i>Journal of Investigative Dermatology</i> , 2009, 129, 2233-2241.	0.3	39
133	Isomeric cysteinyldopas provide a (photo)degradable bulk component and a robust structural element in red human hair pheomelanin. <i>Pigment Cell and Melanoma Research</i> , 2009, 22, 319-327.	1.5	39
134	The Underwhite (uw) Locus Acts Autonomously and Reduces the Production of Melanin. <i>Journal of Investigative Dermatology</i> , 2000, 115, 601-606.	0.3	38
135	Roles of reactive oxygen species in UVA-induced oxidation of 5,6-dihydroxyindole-2-carboxylic acid-melanin as studied by differential spectrophotometric method. <i>Pigment Cell and Melanoma Research</i> , 2016, 29, 340-351.	1.5	38
136	Chemical and biochemical control of skin pigmentation with special emphasis on mixed melanogenesis. <i>Pigment Cell and Melanoma Research</i> , 2021, 34, 730-747.	1.5	38
137	Monotypic Angiomyolipoma of the Nasal Cavity: A Heretofore Undescribed Occurrence. <i>International Journal of Surgical Pathology</i> , 2001, 9, 309-315.	0.4	37
138	Independent regulation of hair and skin color by two G protein-coupled pathways. <i>Pigment Cell and Melanoma Research</i> , 2009, 22, 819-826.	1.5	37
139	Age-dependent changes in eumelanin composition in hairs of various ethnic origins. <i>International Journal of Cosmetic Science</i> , 2012, 34, 102-107.	1.2	37
140	Viability Is Associated with Melanin-Based Coloration in the Barn Swallow (<i>Hirundo rustica</i>). <i>PLoS ONE</i> , 2013, 8, e60426.	1.1	37
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