Kazumasa Wakamatsu

List of Publications by Year
in descending order

380	19,768	9756 73	17546 121
papers	citations	h-index	g-index

394	394	394	14077
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thioredoxin Reductase 1 Modulates Pigmentation and Photobiology of Murine Melanocytes inÂvivo. Journal of Investigative Dermatology, 2022, 142, 1903-1911.e5.	0.3	6
2	Concerted variation in melanogenesis genes underlies emergent patterning of plumage in capuchino seedeaters. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212277.	1.2	7
3	A framework to mitigate the risk of chemical leukoderma: Consumer products. Regulatory Toxicology and Pharmacology, 2022, 131, 105157.	1.3	2
4	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.	1.5	3
5	Neuromelanin in Parkinsonâ€™s Disease: Tyrosine Hydroxylase and Tyrosinase. International Journal of Molecular Sciences, 2022, 23, 4176.	1.8	32
6	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.	2.2	10
7	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.	1.8	7
8	Obesity and Hyperphagia With Increased Defective ACTH: A Novel POMC Variant. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e3699-e3704.	1.8	6
9	Establishment of a mouse model for postâ€inflammatory hyperpigmentation. Pigment Cell and Melanoma Research, 2021, 34, 101-110.	1.5	7
10	Application of mid-infrared free-electron laser for structural analysis of biological materials. Journal of Synchrotron Radiation, 2021, 28, 28-35.	1.0	5
11	Melanins in Vertebrates. , 2021, , 45-89.		4
12	Chemical and biochemical control of skin pigmentation with special emphasis on mixed melanogenesis. Pigment Cell and Melanoma Research, 2021, 34, 730-747.	1.5	38
13	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.	1.8	5
14	Circadian clock protein BMAL1 regulates melanogenesis through MITF in melanoma cells. Pigment Cell and Melanoma Research, 2021, 34, 955-965.	1.5	15
15	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.	0.3	13
16	NNT mediates redox-dependent pigmentation via a UVB- and MITF-independent mechanism. Cell, 2021, 184, 4268-4283.e20.	13.5	35
17	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.	1.8	4
18	Photobleached Oxidative Degradation of Melanins: Chemical Characterization of Melanins Present in Alpaca Fiber. Photochemistry and Photobiology, 2021, , .	1.3	5

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19	Pheomelanin subunit non-destructive quantification by Raman spectroscopy and multivariate curve resolution-alternating least squares (MCR-ALS). Chemometrics and Intelligent Laboratory Systems, 2021, 217, 104406.	1.8	6
20	Utility of Melanin Degradation Products in the Nail for Diagnosing Nail Apparatus Melanoma. Acta Dermato-Venereologica, 2021, 101, adv00387.	0.6	1
21	Chemical Evaluation of Eumelanin Maturation by ToF-SIMS and Alkaline Peroxide Oxidation HPLC Analysis. International Journal of Molecular Sciences, 2021, 22, 161.	1.8	8
22	Oxidative Transformations of 3,4-Dihydroxyphenylacetaldehyde Generate Potential Reactive Intermediates as Causative Agents for Its Neurotoxicity. International Journal of Molecular Sciences, 2021, 22, 11751.	1.8	4
23	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.	1.5	10
24	Taphonomic experiments resolve controls on the preservation of melanosomes and keratinous tissues in feathers. Palaeontology, 2020, 63, 103-115.	1.0	22
25	The influence of iron on selected properties of synthetic pheomelanin. Cell Biochemistry and Biophysics, 2020, 78, 181-189.	0.9	7
26	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.	1.8	22
27	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.	1.8	72
28	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.	1.8	3
29	Nonenzymatic Spontaneous Oxidative Transformation of 5,6-Dihydroxyindole. International Journal of Molecular Sciences, 2020, 21, 7321.	1.8	14
30	Increase of the benzothiazole moiety content of pheomelanin pigment after endogenous free radical inducement. Dyes and Pigments, 2020, 180, 108516.	2.0	7
31	Kojic acid alters pheomelanin content in human induced pluripotent stem cellâ€derived melanocytes. Journal of Dermatology, 2020, 47, 435-436.	0.6	5
32	Significance of 5-S-Cysteinyldopa as a Marker for Melanoma. International Journal of Molecular Sciences, 2020, 21, 432.	1.8	15
33	The role of hydrogen peroxide and singlet oxygen in the photodegradation of melanin. Photochemical and Photobiological Sciences, 2020, 19, 654-667.	1.6	12
34	Effects of Aging on Hair Color, Melanosome Morphology, and Melanin Composition in Japanese Females. International Journal of Molecular Sciences, 2019, 20, 3739.	1.8	21
35	Fossil insect eyes shed light on trilobite optics and the arthropod pigment screen. Nature, 2019, 573, 122-125.	13.7	26
36	Tyrosinaseâ€catalyzed oxidation of resveratrol produces a highly reactive orthoâ€quinone: Implications for melanocyte toxicity. Pigment Cell and Melanoma Research, 2019, 32, 766-776.	1.5	18

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37	Chemical characterization of pterosaur melanin challenges color inferences in extinct animals. Scientific Reports, 2019, 9, 15947.	1.6	15
38	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.	1.2	16
39	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.	3.3	32
40	Linking a mutation to survival in wild mice. Science, 2019, 363, 499-504.	6.0	126
41	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.	1.8	16
42	Pheomelanin pigment remnants mapped in fossils of an extinct mammal. Nature Communications, 2019, 10, 2250.	5.8	30
43	Eumelanin levels in rufous feathers explain plasma testosterone levels and survival in swallows. Ecology and Evolution, 2019, 9, 2755-2764.	0.8	12
44	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.	0.5	5
45	SOX10 regulates multiple genes to direct eumelanin versus pheomelanin production in domestic rock pigeon. Pigment Cell and Melanoma Research, 2019, 32, 634-642.	1.5	13
46	Ethanol induces skin hyperpigmentation in mice with aldehyde dehydrogenase 2 deficiency. Chemico-Biological Interactions, 2019, 302, 61-66.	1.7	7
47	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.	1.5	16
48	Serum concentrations of HGF are correlated with response to anti-PD-1 antibody therapy in patients with metastatic melanoma. Journal of Dermatological Science, 2019, 93, 33-40.	1.0	15
49	Visible light accelerates the ultraviolet Aâ€induced degradation of eumelanin and pheomelanin. Pigment Cell and Melanoma Research, 2019, 32, 441-447.	1.5	12
50	One-year pilot study on the effects of nitisinone on melanin in patients with OCA-1B. JCI Insight, 2019, 4, .	2.3	25
51	Redness Variation in the Eurasian Scops-Owl Otus scops is Due to Pheomelanin But is Not Associated with Variation in the Melanocortin-1 Receptor Gene (MC1R). Ardeola, 2019, 67, 3.	0.4	8
52	Usefulness of serum 5ï¼Šï¼cysteinyldopa as a biomarker in targeted therapy for metastatic melanoma. Skin Cancer, 2019, 34, 10-16.	0.1	0
53	The potent proâ€oxidant activity of rhododendrolâ€“eumelanin is enhanced by ultraviolet A radiation. Pigment Cell and Melanoma Research, 2018, 31, 523-528.	1.5	4
54	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.	1.4	5

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55	Sex allocation based on maternal body size in Japanese barn swallows. Ethology Ecology and Evolution, 2018, 30, 156-167.	0.6	1
56	Sex-Dependent Expression and Fitness Consequences of Sunlight-Derived Color Phenotypes. American Naturalist, 2018, 191, 726-743.	1.0	20
57	Characterization of melanosomes and melanin in Japanese patients with Hermanskyâ€“Pudlak syndrome types 1, 4, 6, and 9. Pigment Cell and Melanoma Research, 2018, 31, 267-276.	1.5	24
58	Photodegradation of Eumelanin and Pheomelanin and Its Pathophysiological Implications. Photochemistry and Photobiology, 2018, 94, 409-420.	1.3	86
59	Insect cuticular melanins are distinctly different from those of mammalian epidermal melanins. Pigment Cell and Melanoma Research, 2018, 31, 384-392.	1.5	37
60	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.	1.5	27
61	Mammalian pigmentation is regulated by a distinct cAMP-dependent mechanism that controls melanosome pH. Science Signaling, 2018, 11, .	1.6	28
62	Adaptive response of a soil fungus,Aspergillus niger, to changed environmental conditions in a soil transplant experiment at â€˜Evolution Canyonâ€™ I, Mount Carmel, Israel. Biological Journal of the Linnean Society, 2018, 125, 821-826.	0.7	5
63	Males with More Pheomelanin Have a Lower Oxidative Balance in Asian Barn Swallows (Hirundo) Tj ETQq1 1 0.784314 rgBT /Overl	0.8	6
64	Soft-tissue evidence for homeothermy and crypsis in a Jurassic ichthyosaur. Nature, 2018, 564, 359-365.	13.7	81
65	Differential gene regulation underlies variation in melanic plumage coloration in the darkâ€eyed junco (Junco hyemalis). Molecular Ecology, 2018, 27, 4501-4515.	2.0	41
66	Frontiers in pigment cell and melanoma research. Pigment Cell and Melanoma Research, 2018, 31, 728-735.	1.5	10
67	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.	1.8	31
68	Molecular vibration as a novel explanatory mechanism for the expression of animal colouration. Integrative Biology (United Kingdom), 2018, 10, 464-473.	0.6	5
69	Non-integumentary melanosomes can bias reconstructions of the colours of fossil vertebrates. Nature Communications, 2018, 9, 2878.	5.8	22
70	Biochemical Mechanism of Rhododendrol-Induced Leukoderma. International Journal of Molecular Sciences, 2018, 19, 552.	1.8	29
71	Raman spectroscopy quantification of eumelanin subunits in natural unaltered pigments. Pigment Cell and Melanoma Research, 2018, 31, 673-682.	1.5	13
72	Serum 5â€Sâ€cysteinyldopa behavior in the early phase of nivolumab treatment of 12 melanoma patients. Journal of Dermatology, 2018, 45, 1340-1344.	0.6	7

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73	Nevus depigmentosus with yellow hair colour due to an excess amount of benzothiazine-type pheomelanin. European Journal of Dermatology, 2018, 28, 126-128.	0.3	2
74	Decreased benzothiazole-type pheomelanin in regrown brown hair in alopecia areata. European Journal of Dermatology, 2018, 28, 130-131.	0.3	1
75	The potent proâ€oxidant activity of rhododendrolâ€“eumelanin induces cysteine depletion in B16 melanoma cells. Pigment Cell and Melanoma Research, 2017, 30, 63-67.	1.5	17
76	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.	1.7	22
77	Pheomelanogenesis is promoted at a weakly acidic <scp>pH</scp>. Pigment Cell and Melanoma Research, 2017, 30, 372-377.	1.5	26
78	A novel locus on chromosome 1 underlies the evolution of a melanic plumage polymorphism in a wild songbird. Royal Society Open Science, 2017, 4, 160805.	1.1	29
79	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.	3.3	30
80	Physiological conditions and genetic controls of phaeomelanin pigmentation in nestling barn swallows. Behavioral Ecology, 2017, 28, 706-716.	1.0	23
81	<scp>MC</scp>1R variants affect the expression of melanocortin and melanogenic genes and the association between melanocortin genes and coloration. Molecular Ecology, 2017, 26, 259-276.	2.0	30
82	Melanic variation underlies aposematic color variation in two hymenopteran mimicry systems. PLoS ONE, 2017, 12, e0182135.	1.1	26
83	Serum 5-s-cysteinyldopa for identifying non-responders to nivolumab treatment of melanoma.. Journal of Clinical Oncology, 2017, 35, e21068-e21068.	0.8	0
84	The Metabolic Fate of ortho-Quinones Derived from Catecholamine Metabolites. International Journal of Molecular Sciences, 2016, 17, 164.	1.8	21
85	Circulating melanoma cells as a potential biomarker to detect metastasis and evaluate prognosis. Australasian Journal of Dermatology, 2016, 57, 145-149.	0.4	14
86	Scalp nevus depigmentosus with dermoscopy-detectable diverse hair colour. European Journal of Dermatology, 2016, 26, 622-623.	0.3	1
87	High brood patch temperature of less colourful, less pheomelanic female Barn Swallows Hirundo rustica. Ibis, 2016, 158, 808-820.	1.0	13
88	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.	1.5	6
89	Aerobic photoreactivity of synthetic eumelanins and pheomelanins: generation of singlet oxygen and superoxide anion. Pigment Cell and Melanoma Research, 2016, 29, 669-678.	1.5	49
90	Color measurement of the animal integument predicts the content of specific melanin forms. RSC Advances, 2016, 6, 79135-79142.	1.7	61

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91	Elemental characterisation of melanin in feathers via synchrotron X-ray imaging and absorption spectroscopy. Scientific Reports, 2016, 6, 34002.	1.6	44
92	Quantifying variation in human scalp hair fiber shape and pigmentation. American Journal of Physical Anthropology, 2016, 160, 341-352.	2.1	22
93	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.	1.5	38
94	Rhododenol-induced leukoderma in a mouse model mimicking Japanese skin. Journal of Dermatological Science, 2016, 81, 35-43.	1.0	27
95	Identification of Shell Colour Pigments in Marine Snails Clanculus pharaonius and C. margaritarius (Trochoidea; Gastropoda). PLoS ONE, 2016, 11, e0156664.	1.1	45
96	Melanins and melanogenesis: from pigment cells toÂhuman health and technological applications. Pigment Cell and Melanoma Research, 2015, 28, 520-544.	1.5	347
97	Lowâ€quality birds do not display highâ€quality signals: The cysteineâ€pheomelanin mechanism of honesty. Evolution; International Journal of Organic Evolution, 2015, 69, 26-38.	1.1	32
98	Norepinephrine and its metabolites are involved in the synthesis of neuromelanin derived from the locus coeruleus. Journal of Neurochemistry, 2015, 135, 768-776.	2.1	58
99	Molecular composition and ultrastructure of Jurassic paravian feathers. Scientific Reports, 2015, 5, 13520.	1.6	42
100	Effect of the <scp>MC</scp>1R gene on sexual dimorphism in melaninâ€based colorations. Molecular Ecology, 2015, 24, 2794-2808.	2.0	32
101	Insects synthesize pheomelanin. Pigment Cell and Melanoma Research, 2015, 28, 599-602.	1.5	34
102	Chemical analysis of constitutive pigmentation of human epidermis reveals constant eumelanin to pheomelanin ratio. Pigment Cell and Melanoma Research, 2015, 28, 707-717.	1.5	97
103	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.	1.1	30
104	Chemiexcitation of melanin derivatives induces DNA photoproducts long after UV exposure. Science, 2015, 347, 842-847.	6.0	421
105	Effect of infrared radiation <scp>A</scp> on photoaged hairless mice harboring eumelanin and pheomelanin in the epidermis. Journal of Dermatology, 2015, 42, 382-390.	0.6	11
106	An Insect with Selective Control of Egg Coloration. Current Biology, 2015, 25, 2007-2011.	1.8	32
107	A convenient screening method to differentiate phenolic skin whitening tyrosinase inhibitors from leukoderma-inducing phenols. Journal of Dermatological Science, 2015, 80, 18-24.	1.0	35
108	Male pheomelanin pigmentation and breeding onset in Barn Swallows Hirundo rustica gutturalis. Journal of Ornithology, 2015, 156, 419-427.	0.5	24

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109	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.	1.5	37
110	Effects of rhododendrol and its metabolic products on melanocytic cell growth. Journal of Dermatological Science, 2015, 80, 142-149.	1.0	32
111	Tyrosinase Depletion Prevents the Maturation of Melanosomes in the Mouse Hair Follicle. PLoS ONE, 2015, 10, e0143702.	1.1	35
112	Effects of Aloe-emodin and Emodin on Proliferation of the MKN45 Human Gastric Cancer Cell Line. Asian Pacific Journal of Cancer Prevention, 2015, 16, 3887-3891.	0.5	40
113	Abstract LB-104: Excited electrons in melanin induce cyclobutane dimers in the dark. , 2015, , .		0
114	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.	1.7	22
115	Variants in melanogenesisâ€related genes associate with skin cancer risk among <scp>J</scp>apanese populations. Journal of Dermatology, 2014, 41, 296-302.	0.6	13
116	Degree of polymerization of 5,6â€dihydroxyindoleâ€derived eumelanin from chemical degradation study. Pigment Cell and Melanoma Research, 2014, 27, 664-667.	1.5	23
117	Mineralized rods and cones suggest colour vision in a 300â€‰Myr-old fossil fish. Nature Communications, 2014, 5, 5920.	5.8	22
118	Inhibitory Effects of Low-Dose Aloe-Emodin on the Development of Colorectal Tumors in Min Mice. Asian Pacific Journal of Cancer Prevention, 2014, 15, 5587-5592.	0.5	10
119	Black bib size is associated with feather content of pheomelanin in male house sparrows. Pigment Cell and Melanoma Research, 2014, 27, 1159-1161.	1.5	7
120	Human tyrosinase is able to oxidize both enantiomers of rhododendrol. Pigment Cell and Melanoma Research, 2014, 27, 1149-1153.	1.5	36
121	Buthionine sulfoximine diverts the melanogenesis pathway toward the production of more soluble and degradable pigments. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2150-2154.	1.0	7
122	Chronic exposure to lowâ€dose radiation at <scp>C</scp>hernobyl favours adaptation to oxidative stress in birds. Functional Ecology, 2014, 28, 1387-1403.	1.7	119
123	TLR4 and NLRP3 inflammasome activation in monocytes by N-propionyl cysteaminylphenol-maleimide-dextran (NPCMD). Journal of Dermatological Science, 2014, 73, 209-215.	1.0	5
124	The MouseBrown(b/Tyrp1^b) Allele Does Not Affect Pheomelanin Synthesis in Mice. Zoological Science, 2014, 31, 53-63.	0.3	3
125	Nevus depigmentosus with pale skin, yellow-brown hair and a light brown iris. European Journal of Dermatology, 2014, 24, 406-407.	0.3	3
126	Sexual plumage dichromatism in a size monomorphic seabird. Wilson Journal of Ornithology, 2014, 126, 417-428.	0.1	11

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127	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.	1.5	66
128	Sex-specific phenotypic integration: endocrine profiles, coloration, and behavior in fledgling boobies. Behavioral Ecology, 2014, 25, 76-87.	1.0	30
129	Heterospecific female mimicry in <scp>F</scp>icedula flycatchers. Journal of Evolutionary Biology, 2014, 27, 660-666.	0.8	12
130	Raman spectroscopy as a nonâ€invasive technique for the quantification of melanins in feathers and hairs. Pigment Cell and Melanoma Research, 2013, 26, 917-923.	1.5	68
131	Melanins and melanogenesis: methods, standards, protocols. Pigment Cell and Melanoma Research, 2013, 26, 616-633.	1.5	365
132	Melanin characterisation suggests that the â€œbrownâ€•phenotype in alpaca (Vicugna pacos) is predominantly pheomelanic. Small Ruminant Research, 2013, 114, 240-246.	0.6	5
133	Impact of diagenesis and maturation on the survival of eumelanin in the fossil record. Organic Geochemistry, 2013, 64, 29-37.	0.9	45
134	Vibrational characterization of pheomelanin and trichochrome F by Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 110, 55-59.	2.0	35
135	Sexually dimorphic melanin-based colour polymorphism, feather melanin content, and wing feather structure in the barn owl (Tyto alba). Biological Journal of the Linnean Society, 2013, 109, 562-573.	0.7	27
136	High-performance liquid chromatography estimation of cross-linking of dihydroxyindole moiety in eumelanin. Analytical Biochemistry, 2013, 434, 221-225.	1.1	50
137	Reptiles Produce Pheomelanin: Evidence in the Eastern Hermann's Tortoise (Eurotestudo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	0.2	24
138	T-cell receptor repertoires of tumor-infiltrating lymphocytes after hyperthermia using functionalized magnetite nanoparticles. Nanomedicine, 2013, 8, 891-902.	1.7	20
139	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.	0.5	13
140	Photoaging of human retinal pigment epithelium is accompanied by oxidative modifications of its eumelanin. Pigment Cell and Melanoma Research, 2013, 26, 357-366.	1.5	50
141	Neutral p<scp>H</scp> and copper ions promote eumelanogenesis after the dopachrome stage. Pigment Cell and Melanoma Research, 2013, 26, 817-825.	1.5	60
142	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.	1.5	7
143	Viability Is Associated with Melanin-Based Coloration in the Barn Swallow (Hirundo rustica). PLoS ONE, 2013, 8, e60426.	1.1	37
144	Adaptation of Pelage Color and Pigment Variations in Israeli Subterranean Blind Mole Rats, Spalax Ehrenbergi. PLoS ONE, 2013, 8, e69346.	1.1	12

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145	Sexual Dimorphism in Melanin Pigmentation, Feather Coloration and Its Heritability in the Barn Swallow (Hirundo rustica). PLoS ONE, 2013, 8, e58024.	1.1	55
146	Analysis of Eumelanin and Pheomelanin by Ion-pair High Performance Liquid Chromatography. Journal of Society of Cosmetic Chemists of Japan, 2013, 47, 221-225.	0.0	1
147	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.	1.4	36
148	Lack of red hair phenotype in a Northâ€African obese child homozygous for a novel POMC null mutation: nonsenseâ€mediated decay RNA evaluation and hair pigment chemical analysis. British Journal of Dermatology, 2012, 167, 1393-1395.	1.4	21
149	Abrogating effect of a xanthophyll carotenoid astaxanthin on the stem cell factor-induced stimulation of human epidermal pigmentation. Archives of Dermatological Research, 2012, 304, 803-816.	1.1	24
150	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.	0.3	2
151	Cystinosin is a melanosomal protein that regulates melanin synthesis. FASEB Journal, 2012, 26, 3779-3789.	0.2	41
152	Mechanism of putative neo-antigen formation from N-propionyl-4-S-cysteaminylphenol, a tyrosinase substrate, in melanoma models. Biochemical Pharmacology, 2012, 84, 646-653.	2.0	15
153	Biosynthetic pathway to neuromelanin and its aging process. Pigment Cell and Melanoma Research, 2012, 25, 792-803.	1.5	51
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