Shoji Kawamura

List of Publications by Year
in descending order

84 papers	3,842 citations	117625 34 h-index	144013 57 g-index
85 all docs	85 docs citations	85 times ranked	2162 citing authors

#	Article	IF	Citations
1	Gene Duplication and Spectral Diversification of Cone Visual Pigments of Zebrafish. Genetics, 2003, 163, 663-675.	2.9	246
2	Cone photoreceptor types in zebrafish are generated by symmetric terminal divisions of dedicated precursors. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15109-15114.	7.1	197
3	Temporal and spatial changes in the expression pattern of multiple red and green subtype opsin genes during zebrafish development. Journal of Experimental Biology, 2005, 208, 1337-1345.	1.7	146
4	Effects of colour vision phenotype on insect capture by a free-ranging population of white-faced capuchins, Cebus capucinus. Animal Behaviour, 2007, 73, 205-214.	1.9	141
5	Ontogeny of cone photoreceptor mosaics in zebrafish. Journal of Comparative Neurology, 2010, 518, 4182-4195.	1.6	131
6	Functional characterization of visual opsin repertoire in Medaka (Oryzias latipes). Gene, 2006, 371, 268-278.	2.2	129
7	Ancestral Loss of Short Wave-Sensitive Cone Visual Pigment in Lorisiform Prosimians, Contrasting with Its Strict Conservation in Other Prosimians. Journal of Molecular Evolution, 2004, 58, 314-321.	1.8	112
8	Functional characterization of visual and nonvisual pigments of American chameleon (Anolis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	1.4	110
9	Fluorescence visualization of ultraviolet-sensitive cone photoreceptor development in living zebrafish. FEBS Letters, 2003, 553, 90-94.	2.8	101
10	Importance of Achromatic Contrast in Short-Range Fruit Foraging of Primates. PLoS ONE, 2008, 3, e3356.	2.5	91
11	Why Ayeâ€Ayes See Blue. American Journal of Primatology, 2012, 74, 185-192.	1.7	91
12	Bipolar cellâ€“photoreceptor connectivity in the zebrafish (<i>Danio rerio</i>) retina. Journal of Comparative Neurology, 2012, 520, 3786-3802.	1.6	86
13	An Explicit Signature of Balancing Selection for Color-Vision Variation in New World Monkeys. Molecular Biology and Evolution, 2010, 27, 453-464.	8.9	84
14	Advantage of dichromats over trichromats in discrimination of color-camouflaged stimuli in nonhuman primates. American Journal of Primatology, 2005, 67, 425-436.	1.7	78
15	Expression of visual and nonvisual opsins in American chameleon. Vision Research, 1997, 37, 1867-1871.	1.4	76
16	Visualization of rod photoreceptor development using GFP-transgenic zebrafish. Genesis, 2002, 34, 215-220.	1.6	74
17	Fig Foraging by Dichromatic and Trichromatic Cebus capucinus in a Tropical Dry Forest. International Journal of Primatology, 2009, 30, 753-775.	1.9	73
18	Evolutionary renovation of <scp>L</scp>/<scp>M</scp> opsin polymorphism confers a fruit discrimination advantage to ateline <scp>N</scp>ew <scp>W</scp>orld monkeys. Molecular Ecology, 2014, 23, 1799-1812.	3.9	72

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19	Identification of a locus control region for quadruplicated green-sensitive opsin genes in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12813-12818.	7.1	70
20	A Single Enhancer Regulating the Differential Expression of Duplicated Red-Sensitive Opsin Genes in Zebrafish. PLoS Genetics, 2010, 6, e1001245.	3.5	70
21	Interplay of olfaction and vision in fruit foraging of spider monkeys. Animal Behaviour, 2009, 77, 1421-1426.	1.9	69
22	Color-vision polymorphism in wild capuchins (Cebus capucinus) and spider monkeys (Ateles geoffroyi) in Costa Rica. American Journal of Primatology, 2005, 67, 447-461.	1.7	67
23	Polymorphic color vision in white-faced capuchins (Cebus capucinus): Is there foraging niche divergence among phenotypes?. Behavioral Ecology and Sociobiology, 2008, 62, 659-670.	1.4	57
24	Can color vision variation explain sex differences in invertebrate foraging by capuchin monkeys?. Environmental Epigenetics, 2010, 56, 300-312.	1.8	57
25	Trichromacy increases fruit intake rates of wild capuchins (<i>Cebus capucinus imitator</i>). Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10402-10407.	7.1	55
26	Identification of cis-Acting Elements Repressing Blue Opsin Expression in Zebrafish UV Cones and Pineal Cells. Journal of Biological Chemistry, 2008, 283, 31625-31632.	3.4	54
27	Female sociality and sexual conflict shape offspring survival in a Neotropical primate. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1892-1897.	7.1	54
28	Reconstitution of Ancestral Green Visual Pigments of Zebrafish and Molecular Mechanism of Their Spectral Differentiation. Molecular Biology and Evolution, 2005, 22, 1001-1010.	8.9	53
29	Genetic Analyses of Visual Pigments of the Pigeon (Columba livia). Genetics, 1999, 153, 1839-1850.	2.9	51
30	Retinoic Acid Signaling Regulates Differential Expression of the Tandemly-Duplicated Long Wavelength-Sensitive Cone Opsin Genes in Zebrafish. PLoS Genetics, 2015, 11, e1005483.	3.5	50
31	Mutagenesis and reconstitution of middle-to-long-wave-sensitive visual pigments of New World monkeys for testing the tuning effect of residues at sites 229 and 233. Vision Research, 2004, 44, 2225-2231.	1.4	49
32	A genetically explicit model of speciation by sensory drive within a continuous population in aquatic environments. BMC Evolutionary Biology, 2007, 7, 99.	3.2	43
33	Demonstration of a genotype-phenotype correlation in the polymorphic color vision of a non-callitrichine New World monkey, capuchin (Cebus apella). American Journal of Primatology, 2005, 67, 471-485.	1.7	41
34	Nok plays an essential role in maintaining the integrity of the outer nuclear layer in the zebrafish retina. Experimental Eye Research, 2006, 83, 31-44.	2.6	41
35	Endocrine regulation of multichromatic color vision. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16882-16891.	7.1	39
36	Spectral Differentiation of Blue Opsins between Phylogenetically Close but Ecologically Distant Goldfish and Zebrafish. Journal of Biological Chemistry, 2005, 280, 9460-9466.	3.4	35

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37	Genomic and spectral analyses of long to middle wavelength-sensitive visual pigments of common marmoset (Callithrix jacchus). Gene, 2001, 269, 45-51.	2.2	34
38	Inferred L/M cone opsin polymorphism of ancestral tarsiers sheds dim light on the origin of anthropoid primates. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130189.	2.6	34
39	Fruit scent and observer colour vision shape food-selection strategies in wild capuchin monkeys. Nature Communications, 2019, 10, 2407.	12.8	34
40	The genomics of ecological flexibility, large brains, and long lives in capuchin monkeys revealed with fecalFACS. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	34
41	Color vision diversity and significance in primates inferred from genetic and field studies. Genes and Genomics, 2016, 38, 779-791.	1.4	33
42	Polymorphic Color Vision in Primates: Evolutionary Considerations. Primatology Monographs, 2012, , 93-120.	0.8	33
43	Spectral sensitivity of guppy visual pigments reconstituted in vitro to resolve association of opsins with cone cell types. Vision Research, 2016, 127, 67-73.	1.4	32
44	Gene conversion and purifying selection shape nucleotide variation in gibbon L/M opsin genes. BMC Evolutionary Biology, 2011, 11, 312.	3.2	31
45	Color Vision Variation as Evidenced by Hybrid L/M Opsin Genes in Wild Populations of Trichromatic Alouatta New World Monkeys. International Journal of Primatology, 2014, 35, 71-87.	1.9	30
46	The effect of male parallel dispersal on the kin composition of groups in white-faced capuchins. Animal Behaviour, 2014, 96, 9-17.	1.9	30
47	Molecular and functional characterization of opsins in barfin flounder (Verasper moseri). Gene, 2015, 556, 182-191.	2.2	30
48	Molecular characterization of the red visual pigment gene of the American chameleon (Anolis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	2.8	29
49	Evolution of the primate glutamate taste sensor from a nucleotide sensor. Current Biology, 2021, 31, 4641-4649.e5.	3.9	28
50	Effects of light environment during growth on the expression of cone opsin genes and behavioral spectral sensitivities in guppiesÂ(Poecilia reticulata). BMC Evolutionary Biology, 2016, 16, 106.	3.2	24
51	Inbreeding avoidance and female mate choice shape reproductive skew in capuchin monkeys (<i>Cebus) Tj ETQq1 1 0.784314 rgBT /Ov	3.9	24
52	The Heterozygote Superiority Hypothesis for Polymorphic Color Vision Is Not Supported by Long-Term Fitness Data from Wild Neotropical Monkeys. PLoS ONE, 2014, 9, e84872.	2.5	23
53	Euarchontan Opsin Variation Brings New Focus to Primate Origins. Molecular Biology and Evolution, 2016, 33, 1029-1041.	8.9	22
54	Howler monkey foraging ecology suggests convergent evolution of routine trichromacy as an adaptation for folivory. Ecology and Evolution, 2017, 7, 1421-1434.	1.9	22

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55	Primate life history, social dynamics, ecology, and conservation: Contributions from longâ€term research in Ãrea de ConservaciÃ³n Guanacaste, Costa Rica. Biotropica, 2020, 52, 1041-1064.	1.6	22
56	Allonursing in white-faced capuchins (Cebus capucinus) provides evidence for cooperative care of infants. Behaviour, 2015, 152, 1841-1869.	0.8	21
57	Male philopatry in spider monkeys revisited. American Journal of Physical Anthropology, 2013, 152, 86-95.	2.1	19
58	Medaka: a promising model animal for comparative population genomics. BMC Research Notes, 2009, 2, 88.	1.4	18
59	Genetic differentiation among local populations of medaka fish (Oryzias latipes) evaluated through grid- and deme-based sampling. Gene, 2009, 443, 170-177.	2.2	18
60	Spatially differentiated expression of quadruplicated green-sensitive RH2 opsin genes in zebrafish is determined by proximal regulatory regions and gene order to the locus control region. BMC Genetics, 2015, 16, 130.	2.7	17
61	Genetic and plastic variation in opsin gene expression, light sensitivity, and female response to visual signals in the guppy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12247-12252.	7.1	17
62	Paralogous origin of the rhodopsinlike opsin genes in lizards. Journal of Molecular Evolution, 1995, 40, 594-600.	1.8	16
63	Infant mortality in whiteâ€faced capuchins: The impact of alpha male replacements. American Journal of Primatology, 2017, 79, e22725.	1.7	15
64	Characterization of transgenic zebrafish lines that express GFP in the retina, pineal gland, olfactory bulb, hatching gland, and optic tectum. Gene Expression Patterns, 2013, 13, 150-159.	0.8	14
65	Paternal kin recognition and infant care in whiteâ€faced capuchins (<i>Cebus capucinus</i>). American Journal of Primatology, 2016, 78, 659-668.	1.7	14
66	Y-chromosomal red-green opsin genes of nocturnal New World monkey1. FEBS Letters, 2002, 530, 70-72.	2.8	13
67	The IgE gene in primates exhibits extraordinary evolutionary diversity. Immunogenetics, 2012, 64, 279-287.	2.4	13
68	Evolution of Genes for Color Vision and the Chemical Senses in Primates. Evolutionary Studies, 2017, , 181-216.	0.1	13
69	Variation in ligand responses of the bitter taste receptors TAS2R1 and TAS2R4 among New World monkeys. BMC Evolutionary Biology, 2016, 16, 208.	3.2	11
70	Coupling and decoupling of evolutionary mode between X- and Y-chromosomal red-green opsin genes in owl monkeys. Gene, 2005, 352, 82-91.	2.2	8
71	Evolutionarily conserved and divergent regulatory sequences in the fish rod opsin promoter. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 141, 391-399.	1.6	8
72	Infanticides during periods of social stability: kinship, resumption of ovarian cycling, and mating access in white-faced capuchins (<i>Cebus capucinus</i>). Neotropical Primates, 2014, 21, 192-196.	0.1	8

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73	Absorption spectra of reconstituted visual pigments of a nocturnal prosimian, Otolemur crassicaudatus. Gene, 2003, 321, 131-135.	2.2	7
74	Polymorphism and Adaptation of Primate Colour Vision. , 2012, , 225-241.		7
75	The Effects of Dispersal and Reproductive Patterns on the Evolution of Male Sociality in White-Faced Capuchins. Developments in Primatology, 2018, , 117-132.	0.1	7
76	Orthologous Divergence and Paralogous Anticonvergence in Molecular Evolution of Triplicated Green Opsin Genes in Medaka Fish, Genus Oryzias. Genome Biology and Evolution, 2020, 12, 911-923.	2.5	6
77	Infant cannibalism in wild whiteâ€faced capuchin monkeys. Ecology and Evolution, 2020, 10, 12679-12684.	1.9	5
78	Evolutionary Diversification of Visual Opsin Genes in Fish and Primates. Primatology Monographs, 2011, , 329-349.	0.8	5
79	Variation and heritability of retinal cone ratios in a freeâ€ranging population of rhesus macaques. Evolution; International Journal of Organic Evolution, 2022, 76, 1776-1789.	2.3	5
80	Color vision and niche partitioning in a diverse neotropical primate community in lowland Amazonian Ecuador. Ecology and Evolution, 2021, 11, 5742-5758.	1.9	4
81	Mutagenesis and reconstitution of middle-to-long-wave-sensitive visual pigments of New World monkeys for testing the tuning effect of residues at sites 229 and 233. Vision Research, 2004, 44, 2225-2231.	1.4	3
82	Should I stay or should I go now: dispersal decisions and reproductive success in male white-faced capuchins (Cebus imitator). Behavioral Ecology and Sociobiology, 2022, 76, .	1.4	2
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84	Colour Vision Genetics Learned from New World Monkeys in Santa Rosa, Costa Rica. Developments in Primatology, 2018, , 257-277.	0.1	1