N Justin Marshall

List of Publications by Year
in descending order

210 papers	12,329 citations	22132 59 h-index	38368 95 g-index
223 all docs	223 docs citations	223 times ranked	8152 citing authors

#	Article	IF	Citations
1	Comparative brain structure and visual processing in octopus from different habitats. Current Biology, 2022, 32, 97-110.e4.	1.8	26
2	Colour discrimination thresholds vary throughout colour space in a reef fish (Rhinecanthus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	0.8	11
3	Colour vision in stomatopod crustaceans: more questions than answers. Journal of Experimental Biology, 2022, 225, .	0.8	2
4	Seeing Picasso: an investigation into the visual system of the triggerfish Rhinecanthus aculeatus. Journal of Experimental Biology, 2022, 225, .	0.8	8
5	The visual ecology of Holocentridae, a nocturnal coral reef fish family with a deep-sea-like multibank retina. Journal of Experimental Biology, 2021, 224, .	0.8	12
6	A fiveâ€channel LED display to investigate UV perception. Methods in Ecology and Evolution, 2021, 12, 602-607.	2.2	6
7	Thresholds of polarization vision in octopuses. Journal of Experimental Biology, 2021, 224, .	0.8	8
8	Molecular Evolution of Ultraviolet Visual Opsins and Spectral Tuning of Photoreceptors in Anemonefishes (Amphiprioninae). Genome Biology and Evolution, 2021, 13, .	1.1	13
9	CRISPR/Cas9-mediated generation of biallelic F0 anemonefish (Amphiprion ocellaris) mutants. PLoS ONE, 2021, 16, e0261331.	1.1	10
10	The reniform body: An integrative lateral protocerebral neuropil complex of Eumalacostraca identified in Stomatopoda and Brachyura. Journal of Comparative Neurology, 2020, 528, 1079-1094.	0.9	9
11	Quantitative Colour Pattern Analysis (QCPA): A comprehensive framework for the analysis of colour patterns in nature. Methods in Ecology and Evolution, 2020, 11, 316-332.	2.2	114
12	Underwater caustics disrupt prey detection by a reef fish. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192453.	1.2	9
13	Dynamic Courtship Signals and Mate Preferences in Sepia plangon. Frontiers in Physiology, 2020, 11, 845.	1.3	8
14	Does conspicuousness scale linearly with colour distance? A test using reef fish. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201456.	1.2	26
15	Lens eyes in protists. Current Biology, 2020, 30, R458-R459.	1.8	7
16	The exceptional diversity of visual adaptations in deep-sea teleost fishes. Seminars in Cell and Developmental Biology, 2020, 106, 20-30.	2.3	36
17	Visual system diversity in coral reef fishes. Seminars in Cell and Developmental Biology, 2020, 106, 31-42.	2.3	34
18	Microhabitat partitioning correlates with opsin gene expression in coral reef cardinalfishes (Apogonidae). Functional Ecology, 2020, 34, 1041-1052.	1.7	13

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19	Toward an MRI-Based Mesoscale Connectome of the Squid Brain. IScience, 2020, 23, 100816.	1.9	28
20	The astonishing diversity of vision: Introduction to an issue of Vision Research on animal vision. Vision Research, 2020, 172, 62-63.	0.7	0
21	Seeing the rainbow: mechanisms underlying spectral sensitivity in teleost fishes. Journal of Experimental Biology, 2020, 223, .	0.8	72
22	Differences in signal contrast and camouflage among different colour variations of a stomatopod crustacean, Neogonodactylus oerstedii. Scientific Reports, 2020, 10, 1236.	1.6	4
23	More than noise: Context-dependant luminance contrast discrimination in a coral reef fish (Rhinecanthus aculeatus). Journal of Experimental Biology, 2020, 223, .	0.8	13
24	Color discrimination thresholds in a cichlid fish: Metriaclima benetos. Journal of Experimental Biology, 2019, 222, .	0.8	15
25	Vision using multiple distinct rod opsins in deep-sea fishes. Science, 2019, 364, 588-592.	6.0	151
26	Cardinalfishes (Apogonidae) show visual system adaptations typical of nocturnally and diurnally active fish. Molecular Ecology, 2019, 28, 3025-3041.	2.0	24
27	Polarisation signals: a new currency for communication. Journal of Experimental Biology, 2019, 222, .	0.8	29
28	Population densities predict forebrain size variation in the cleaner fish Labroides dimidiatus. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20192108.	1.2	20
29	Visual system development of the spotted unicornfish, Naso brevirostris (Acanthuridae). Journal of Experimental Biology, 2019, 222, .	0.8	20
30	A detailed investigation of the visual system and visual ecology of the Barrier Reef anemonefish, Amphiprion akindynos. Scientific Reports, 2019, 9, 16459.	1.6	27
31	Neuroethology Meets Brain, Behavior and Evolution: Promoting the Study of the Neural Basis of Behavior. Brain, Behavior and Evolution, 2019, 94, 5-6.	0.9	0
32	An Ishihara-style test of animal colour vision. Journal of Experimental Biology, 2019, 222, .	0.8	33
33	Colours and colour vision in reef fishes: Past, present and future research directions. Journal of Fish Biology, 2019, 95, 5-38.	0.7	58
34	Underwater solar navigation using the in-water light field (Conference Presentation). , 2019, , .		0
35	Bioinspired polarization vision enables underwater geolocalization. Science Advances, 2018, 4, eaao6841.	4.7	95
36	Representation of the stomatopod's retinal midband in the optic lobes: Putative neural substrates for integrating chromatic, achromatic and polarization information. Journal of Comparative Neurology, 2018, 526, 1148-1165.	0.9	10

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37	Do not be distracted by pretty colors: a comment on Olsson et al.. Behavioral Ecology, 2018, 29, 286-287.	1.0	8
38	Morphological changes of the optic lobe from late embryonic to adult stages in oval squids Sepioteuthis lessoniana. Journal of Morphology, 2018, 279, 75-85.	0.6	12
39	Short term colour vision plasticity on the reef: Changes in opsin expression under varying light conditions differ between ecologically distinct reef fish species. Journal of Experimental Biology, 2018, 221, .	0.8	26
40	Toxicity and taste: unequal chemical defences in a mimicry ring. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180457.	1.2	34
41	Retinal specialization through spatially varying cell densities and opsin coexpression in cichlid fish. Journal of Experimental Biology, 2017, 220, 266-277.	0.8	40
42	Seeing in the deep-sea: visual adaptations in lanternfishes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160070.	1.8	34
43	Neural organization of afferent pathways from the stomatopod compound eye. Journal of Comparative Neurology, 2017, 525, 3010-3030.	0.9	18
44	Vision and lack of vision in the ocean. Current Biology, 2017, 27, R494-R502.	1.8	29
45	Fluorescence as a means of colour signal enhancement. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160335.	1.8	74
46	Behavioral color vision in a cichlid fish: Metriaclima benetos. Journal of Experimental Biology, 2017, 220, 2887-2899.	0.8	22
47	Disruptive colouration in reef fish: does matching the background reduce predation risk?. Journal of Experimental Biology, 2017, 220, 1962-1974.	0.8	20
48	Fish use colour to learn compound visual signals. Animal Behaviour, 2017, 125, 93-100.	0.8	24
49	Stabilizing selection on individual pattern elements of aposematic signals. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170926.	1.2	36
50	Intracellular Recordings of Spectral Sensitivities in Stomatopods: a Comparison across Species. Integrative and Comparative Biology, 2017, 57, 1117-1129.	0.9	9
51	The biology of color. Science, 2017, 357, .	6.0	509
52	Pushing the limits of photoreception in twilight conditions: The rod-like cone retina of the deep-sea pearlsides. Science Advances, 2017, 3, eaao4709.	4.7	55
53	Circularly polarized light detection in stomatopod crustaceans: a comparison of photoreceptors and possible function in six species. Journal of Experimental Biology, 2017, 220, 3222-3230.	0.8	11
54	Complex Visual Adaptations in Squid for Specific Tasks in Different Environments. Frontiers in Physiology, 2017, 8, 105.	1.3	22

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55	Dynamic Skin Patterns in Cephalopods. Frontiers in Physiology, 2017, 8, 393.	1.3	41
56	Insect-Like Organization of the Stomatopod Central Complex: Functional and Phylogenetic Implications. Frontiers in Behavioral Neuroscience, 2017, 11, 12.	1.0	33
57	Triggerfish uses chromaticity and lightness for object segregation. Royal Society Open Science, 2017, 4, 171440.	1.1	14
58	An insect-like mushroom body in a crustacean brain. ELife, 2017, 6, .	2.8	43
59	Depthâ€dependent plasticity in opsin gene expression varies between damselfish (Pomacentridae) species. Molecular Ecology, 2016, 25, 3645-3661.	2.0	53
60	Multimodal signals: ultraviolet reflectance and chemical cues in stomatopod agonistic encounters. Royal Society Open Science, 2016, 3, 160329.	1.1	13
61	Modelling fish colour constancy, and the implications for vision and signalling in water. Journal of Experimental Biology, 2016, 219, 1884-92.	0.8	27
62	Comparative visual ecology of cephalopods from different habitats. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161346.	1.2	21
63	Polarization vision seldom increases the sighting distance of silvery fish. Current Biology, 2016, 26, R752-R754.	1.8	14
64	Comment on â€œOpen-ocean fish reveal an omnidirectional solution to camouflage in polarized environmentsâ€• Science, 2016, 353, 552-552.	6.0	3
65	Dynamic polarization vision in mantis shrimps. Nature Communications, 2016, 7, 12140.	5.8	78
66	Coral reef fish perceive lightness illusions. Scientific Reports, 2016, 6, 35335.	1.6	18
67	Can chromatic aberration enable color vision in natural environments?. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6908-E6909.	3.3	13
68	From crypsis to mimicry: changes in colour and the configuration of the visual system during ontogenetic habitat transitions in a coral reef fish. Journal of Experimental Biology, 2016, 219, 2545-58.	0.8	42
69	Justin Marshall. Current Biology, 2016, 26, R395-R397.	1.8	1
70	Modeling the Impact of Australiaâ€™s Mining Boom on Tourism. Journal of Travel Research, 2016, 55, 233-245.	5.8	20
71	Multiple Genetic Mechanisms Contribute to Visual Sensitivity Variation in the Labridae. Molecular Biology and Evolution, 2016, 33, 201-215.	3.5	34
72	Spectral Tuning in the Eyes of Deep-Sea Lanternfishes (Myctophidae): A Novel Sexually Dimorphic Intra-Ocular Filter. Brain, Behavior and Evolution, 2015, 85, 77-93.	0.9	17

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73	An Integrative Framework for the Appraisal of Coloration in Nature. American Naturalist, 2015, 185, 705-724.	1.0	206
74	Phenotypic Plasticity Confers Multiple Fitness Benefits to a Mimic. Current Biology, 2015, 25, 949-954.	1.8	45
75	Ancestral duplications and highly dynamic opsin gene evolution in percomorph fishes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1493-1498.	3.3	129
76	Colour vision in marine organisms. Current Opinion in Neurobiology, 2015, 34, 86-94.	2.0	80
77	Target Detection Is Enhanced by Polarization Vision in a Fiddler Crab. Current Biology, 2015, 25, 3069-3073.	1.8	41
78	Circularly Polarized Light as a Communication Signal in Mantis Shrimps. Current Biology, 2015, 25, 3074-3078.	1.8	65
79	The Dutch Disease effects on tourism â€“ The case of Australia. Tourism Management, 2015, 46, 610-622.	5.8	31
80	Spectral Sensitivities and Color Signals in a Polymorphic Damselfly. PLoS ONE, 2014, 9, e87972.	1.1	35
81	The Influence of Photoreceptor Size and Distribution on Optical Sensitivity in the Eyes of Lanternfishes (Myctophidae). PLoS ONE, 2014, 9, e99957.	1.1	31
82	A dynamic broadband reflector built from microscopic silica spheres in the â€˜discoâ€™ clam Ctenoides ales. Journal of the Royal Society Interface, 2014, 11, 20140407.	1.5	12
83	Unconventional colour vision. Current Biology, 2014, 24, R1150-R1154.	1.8	56
84	Evolution of Neural Computations: Mantis Shrimp and Human Color Decoding. I-Perception, 2014, 5, 492-496.	0.8	27
85	Retinal Ganglion Cell Distribution and Spatial Resolving Power in Deep-Sea Lanternfishes (Myctophidae). Brain, Behavior and Evolution, 2014, 84, 262-276.	0.9	26
86	Polarization distance: a framework for modelling object detection by polarization vision systems. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20131632.	1.2	43
87	Out of the blue: the evolution of horizontally polarized signals inHaptosquilla(Crustacea,) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	24
88	Response to â€˜The importance of accurate CO2 dosing and measurement in ocean acidification studiesâ€™. Journal of Experimental Biology, 2014, 217, 1828-1829.	0.8	14
89	Filtering and polychromatic vision in mantis shrimps: themes in visible and ultraviolet vision. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130032.	1.8	33
90	Visual Acuity in a Species of Coral Reef Fish:Rhinecanthus aculeatus. Brain, Behavior and Evolution, 2014, 83, 31-42.	0.9	37

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91	A Different Form of Color Vision in Mantis Shrimp. Science, 2014, 343, 411-413.	6.0	196
92	Null point of discrimination in crustacean polarisation vision. Journal of Experimental Biology, 2014, 217, 2462-7.	0.8	23
93	Range-finding in squid using retinal deformation and image blur. Current Biology, 2014, 24, R64-R65.	1.8	24
94	The eyes of lanternfishes (Myctophidae, Teleostei): Novel ocular specializations for vision in dim light. Journal of Comparative Neurology, 2014, 522, 1618-1640.	0.9	24
95	Ocean acidification slows retinal function in a damselfish through interference with GABAA receptors. Journal of Experimental Biology, 2014, 217, 323-326.	0.8	113
96	Animal Polarization Imaging and Implications for Optical Processing. Proceedings of the IEEE, 2014, 102, 1427-1434.	16.4	21
97	Mistaken identity? Visual similarities of marine debris to natural prey items of sea turtles. BMC Ecology, 2014, 14, 14.	3.0	118
98	Bioinspired Polarization Imaging Sensors: From Circuits and Optics to Signal Processing Algorithms and Biomedical Applications. Proceedings of the IEEE, 2014, 102, 1450-1469.	16.4	94
99	Polarisation Signals. , 2014, , 407-442.		9
100	Polarisation Vision of Crustaceans. , 2014, , 171-216.		8
101	Light and the Optical Environment. , 2014, , .		3
102	Color Vision. , 2014, , .		2
103	A fish-eye view of cuttlefish camouflage usingin situspectrometry. Biological Journal of the Linnean Society, 2013, 109, 535-551.	0.7	15
104	Colour vision and response bias in a coral reef fish. Journal of Experimental Biology, 2013, 216, 2967-73.	0.8	49
105	Eye-Size Variability in Deep-Sea Lanternfishes (Myctophidae): An Ecological and Phylogenetic Study. PLoS ONE, 2013, 8, e58519.	1.1	49
106	Lanternfish (Myctophidae) Zoogeography off Eastern Australia: A Comparison with Physicochemical Biogeography. PLoS ONE, 2013, 8, e80950.	1.1	16
107	A novel function for a carotenoid: astaxanthin used as a polarizer for visual signalling in a mantis shrimp. Journal of Experimental Biology, 2012, 215, 584-589.	0.8	35
108	CoralWatch: education, monitoring, and sustainability through citizen science. Frontiers in Ecology and the Environment, 2012, 10, 332-334.	1.9	98

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109	High e-vector acuity in the polarisation vision system of the fiddler crabUca vomeris. Journal of Experimental Biology, 2012, 215, 2128-2134.	0.8	48
110	High levels of reflectivity and pointillist structural color in fish, cephalopods, and beetles. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3387; author reply E3388.	3.3	9
111	Corneal microprojections in coleoid cephalopods. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2012, 198, 849-856.	0.7	6
112	Opsin Evolution in Damselfish: Convergence, Reversal, and Parallel Evolution Across Tuning Sites. Journal of Molecular Evolution, 2012, 75, 79-91.	0.8	39
113	High-resolution polarisation vision in a cuttlefish. Current Biology, 2012, 22, R121-R122.	1.8	74
114	Changes in light-reflecting properties of signalling appendages alter mate choice behaviour in a stomatopod crustaceanHaptosquilla trispinosa. Marine and Freshwater Behaviour and Physiology, 2011, 44, 1-11.	0.4	38
115	To Be Seen or to Hide: Visual Characteristics of Body Patterns for Camouflage and Communication in the Australian Giant CuttlefishSepia apama. American Naturalist, 2011, 177, 681-690.	1.0	61
116	Behavioural evidence for colour vision in an elasmobranch. Journal of Experimental Biology, 2011, 214, 4186-4192.	0.8	33
117	Camouflage in marine fish. , 2011, , 186-211.		48
118	Polarisation vision. Current Biology, 2011, 21, R101-R105.	1.8	53
119	Behavioural relevance of polarization sensitivity as a target detection mechanism in cephalopods and fishes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 734-741.	1.8	66
120	Dramatic colour changes in a bird of paradise caused by uniquely structured breast feather barbules. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2098-2104.	1.2	109
121	Patterns and properties of polarized light in air and water. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 619-626.	1.8	90
122	New directions in the detection of polarized light. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 615-616.	1.8	5
123	Polarization sensitivity as a contrast enhancer in pelagic predators: lessons fromin situpolarization imaging of transparent zooplankton. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 655-670.	1.8	57
124	Vertical Distribution and Migration Patterns of Nautilus pompilius. PLoS ONE, 2011, 6, e16311.	1.1	64
125	Nautilus pompilius Life History and Demographics at the Osprey Reef Seamount, Coral Sea, Australia. PLoS ONE, 2011, 6, e16312.	1.1	36
126	Nautilus at Risk â€“ Estimating Population Size and Demography of Nautilus pompilius. PLoS ONE, 2011, 6, e16716.	1.1	25

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127	The relationship between lens transmission and opsin gene expression in cichlids from Lake Malawi. Vision Research, 2010, 50, 357-363.	0.7	32
128	Morphological characterization of retinal bipolar cells in the marine teleost Rhinecanthus aculeatus. Journal of Comparative Neurology, 2010, 518, 3117-3129.	0.9	6
129	The fish eye view: are cichlids conspicuous?. Journal of Experimental Biology, 2010, 213, 2243-2255.	0.8	45
130	A spitting image: specializations in archerfish eyes for vision at the interface between air and water. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2607-2615.	1.2	81
131	Double cones are used for colour discrimination in the reef fish,Rhinecanthus aculeatus. Biology Letters, 2010, 6, 537-539.	1.0	81
132	Polarization sensitivity and retinal topography of the striped pyjama squid (Sepioloidea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	0.8	16
133	Polarization sensitivity in two species of cuttlefish â€“Sepia plangon(Gray 1849) andSepia mestus(Gray 1849) â€“ demonstrated with polarized optomotor stimuli. Journal of Experimental Biology, 2010, 213, 3364-3370.	0.8	26
134	Coral health monitoring: linking coral colour and remote sensing techniques. Canadian Journal of Remote Sensing, 2009, 35, 276-286.	1.1	19
135	The Eyes Have It: Regulatory and Structural Changes Both Underlie Cichlid Visual Pigment Diversity. PLoS Biology, 2009, 7, e1000266.	2.6	148
136	Mimicry in coral reef fish: how accurate is this deception in terms of color and luminance?. Behavioral Ecology, 2009, 20, 459-468.	1.0	67
137	Mimicry, colour forms and spectral sensitivity of the bluestriped fangblenny,Plagiotremus rhinorhynchos. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1565-1573.	1.2	25
138	Blue and Yellow Signal Cleaning Behavior in Coral Reef Fishes. Current Biology, 2009, 19, 1283-1287.	1.8	72
139	The comparative morphology of pit organs in elasmobranchs. Journal of Morphology, 2009, 270, 688-701.	0.6	20
140	Ultraviolet polarisation sensitivity in the stomatopod crustacean Odontodactylus scyllarus. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2009, 195, 1153-1162.	0.7	15
141	A biological quarter-wave retarder with excellent achromaticity in the visible wavelength region. Nature Photonics, 2009, 3, 641-644.	15.6	90
142	Are avian eggshell colours effective intraspecific communication signals in the Muscicapoidea? A perceptual modelling approach. Ibis, 2009, 151, 689-698.	1.0	48
143	Mechanisms and behavioural functions of structural coloration in cephalopods. Journal of the Royal Society Interface, 2009, 6, S149-63.	1.5	248
144	Polarization signals in mantis shrimps. , 2009, , .		18

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145	Eggshell colour does not predict measures of maternal investment in eggs of Turdus thrushes. Die Naturwissenschaften, 2008, 95, 713-721.	0.6	74
146	Visual ecology of the Australian lungfish (Neoceratodus forsteri). BMC Ecology, 2008, 8, 21.	3.0	28
147	Circular Polarization Vision in a Stomatopod Crustacean. Current Biology, 2008, 18, 429-434.	1.8	241
148	Giant Deep-Sea Protist Produces Bilaterian-like Traces. Current Biology, 2008, 18, 1849-1854.	1.8	72
149	Facultative mimicry: cues for colour change and colour accuracy in a coral reef fish. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 117-122.	1.2	38
150	Stomatopod eye structure and function: A review. Arthropod Structure and Development, 2007, 36, 420-448.	0.8	116
151	Potential ultraviolet vision in pre-settlement larvae and settled reef fishâ€"A comparison across 23 families. Vision Research, 2007, 47, 2337-2352.	0.7	51
152	Theft of bower decorations among male Satin Bowerbirds (Ptilonorhynchus violaceus): why are some decorations more popular than others?. Emu, 2006, 106, 175-180.	0.2	11
153	Are Corals Colorful?. Photochemistry and Photobiology, 2006, 82, 345.	1.3	79
154	Monitoring coral bleaching using a colour reference card. Coral Reefs, 2006, 25, 453-460.	0.9	274
155	Electrophysiological evidence for linear polarization sensitivity in the compound eyes of the stomatopod crustacean Gonodactylus chiragra. Journal of Experimental Biology, 2006, 209, 4262-4272.	0.8	36
156	The variable colours of the fiddler crab Uca vomeris and their relation to background and predation. Journal of Experimental Biology, 2006, 209, 4140-4153.	0.8	82
157	Biological polarized light reflectors in stomatopod crustaceans. , 2005, , .		9
158	Photoreceptor projection and termination pattern in the lamina of gonodactyloid stomatopods (mantis shrimp). Cell and Tissue Research, 2005, 321, 273-284.	1.5	22
159	Multiple cone visual pigments and the potential for trichromatic colour vision in two species of elasmobranch. Journal of Experimental Biology, 2004, 207, 4587-4594.	0.8	80
160	Fluorescent Enhancement of Signaling in a Mantis Shrimp. Science, 2004, 303, 51-51.	6.0	87
161	Conspicuous males suffer higher predation risk: visual modelling and experimental evidence from lizards. Animal Behaviour, 2003, 66, 541-550.	0.8	246
162	The Design of Color Signals and Color Vision in Fishes. , 2003, , 194-222.		43

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163	Visual Biology of Hawaiian Coral Reef Fishes. II. Colors of Hawaiian Coral Reef Fish. Copeia, 2003, 2003, 455-466.	1.4	60
164	Visual Biology of Hawaiian Coral Reef Fishes. I. Ocular Transmission and Visual Pigments. Copeia, 2003, 2003, 433-454.	1.4	147
165	Neuroarchitecture of the color and polarization vision system of the Stomatopod haptosquilla. Journal of Comparative Neurology, 2003, 467, 326-342.	0.9	33
166	Visual Biology of Hawaiian Coral Reef Fishes. III. Environmental Light and an Integrated Approach to the Ecology of Reef Fish Vision. Copeia, 2003, 2003, 467-480.	1.4	106
167	Polarization Vision and Its Role in Biological Signaling. Integrative and Comparative Biology, 2003, 43, 549-558.	0.9	186
168	Ultraviolet signals in birds are special. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 61-67.	1.2	145
169	Occlusable corneas in toadfishes: light transmission, movement and ultrastruture of pigment during light- and dark-adaptation. Journal of Experimental Biology, 2003, 206, 2177-2190.	0.8	26
170	Rapid colour changes in multilayer reflecting stripes in the paradise whiptail, Pentapodus paradiseus. Journal of Experimental Biology, 2003, 206, 3607-3613.	0.8	144
171	Retinal specializations in the blue marlin: eyes designed for sensitivity to low light levels. Marine and Freshwater Research, 2003, 54, 333.	0.7	79
172	Visual Adaptations in Crustaceans: Chromatic, Developmental, and Temporal Aspects. , 2003, , 343-372.		18
173	Polarization signals in the marine environment. , 2003, 5158, 85.		19
174	Fluorescent Signaling in Parrots. Science, 2002, 295, 92-92.	6.0	146
175	Spectral sensitivity in a sponge larva. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2002, 188, 199-202.	0.7	90
176	Independent and conjugate eye movements during optokinesis in teleost fish. Journal of Experimental Biology, 2002, 205, 1241-1252.	0.8	34
177	Ocular media transmission of coral reef fish â€" can coral reef fish see ultraviolet light?. Vision Research, 2001, 41, 133-149.	0.7	161
178	Parallel Processing and Image Analysis in the Eyes of Mantis Shrimps. Biological Bulletin, 2001, 200, 177-183.	0.7	41
179	Colourful objects through animal eyes. Color Research and Application, 2001, 26, S214-S217.	0.8	61
180	Tunable colour vision in a mantis shrimp. Nature, 2001, 411, 547-548.	13.7	82

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181	NO EVIDENCE OF FEMALE CHOICE FOR A CONDITION-DEPENDENT TRAIT IN THE AGAMID LIZARD, CTENOPHORUS ORNATUS. Behaviour, 2001, 138, 965-980.	0.4	42
182	Colourful objects through animal eyes. Color Research and Application, 2001, 26, S214-S217.	0.8	13
183	Eye Design and Color Signaling in a Stomatopod Crustacean Gonodactylus smithii. Brain, Behavior and Evolution, 2000, 56, 107-122.	0.9	38
184	The role of colour in signalling and male choice in the agamid lizardCtenophorus ornatus. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 445-452.	1.2	167
185	The pit organs of elasmobranchs: a review. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1131-1134.	1.8	20
186	Communication and camouflage with the same â€˜brightâ€™ colours in reef fishes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1243-1248.	1.8	241
187	Colour vision in billfish. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1253-1256.	1.8	34
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