

Megan L Porter

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,151
citations

430874

18
h-index

414414

32
g-index

39
all docs

39
docs citations

39
times ranked

1439
citing authors

#	ARTICLE	IF	CITATIONS
1	Instructional Models for Course-Based Research Experience (CRE) Teaching. <i>CBE Life Sciences Education</i> , 2022, 21, ar8.	2.3	7
2	Ultraviolet vision in larval <i>Neogonodactylus oerstedii</i> . <i>Journal of Experimental Biology</i> , 2022, , .	1.7	6
3	Complete mitochondrial genomes and phylogenetic analysis of the Hawaiian planthoppers <i>Iolania perkinsi</i> and <i>Oliarus</i> cf. <i>filicicola</i> (Hemiptera: Cixiidae). <i>Mitochondrial DNA Part B: Resources</i> , 2022, 7, 1015-1017.	0.4	1
4	Surf and turf vision: Patterns and predictors of visual acuity in compound eye evolution. <i>Arthropod Structure and Development</i> , 2021, 60, 101002.	1.4	14
5	Visual system characterization of the obligate bat ectoparasite <i>Trichobius frequens</i> (Diptera: Tj ETQq1 1 0.784314,rgBT /Overlock 10	1.4	2
6	Using larval barcoding to estimate stomatopod species richness at Lizard Island, Australia for conservation monitoring. <i>Scientific Reports</i> , 2020, 10, 10990.	3.3	11
7	Exceptional diversity of opsin expression patterns in <i>Neogonodactylus oerstedii</i> (Stomatopoda) retinas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8948-8957.	7.1	22
8	Light organ photosensitivity in deep-sea shrimp may suggest a novel role in counterillumination. <i>Scientific Reports</i> , 2020, 10, 4485.	3.3	14
9	Phenotypic plasticity as a mechanism of cave colonization and adaptation. <i>eLife</i> , 2020, 9, .	6.0	48
10	The Leopard Mantis Shrimp, <i>Ankersquilla pardus</i> , a new genus and species of euryquillid from Indo-West Pacific coral reefs. <i>Records of the Australian Museum</i> , 2020, 72, 1-8.	0.2	3
11	Molecular evolutionary trends and feeding ecology diversification in the Hemiptera, anchored by the millweed bug genome. <i>Genome Biology</i> , 2019, 20, 64.	8.8	114
12	Expression of extraocular opsin genes and light-dependent basal activity of blind cavefish. <i>PeerJ</i> , 2019, 7, e8148.	2.0	14
13	Sequence, Structure, and Expression of Opsins in the Monochromatic Stomatopod <i>Squilla empusa</i> . <i>Integrative and Comparative Biology</i> , 2018, 58, 386-397.	2.0	6
14	Evolution in the Dark: Unifying our Understanding of Eye Loss. <i>Integrative and Comparative Biology</i> , 2018, 58, 367-371.	2.0	15
15	Phototransduction in fan worm radiolar eyes. <i>Current Biology</i> , 2017, 27, R698-R699.	3.9	17
16	Melanization in response to wounding is ancestral in arthropods and conserved in albino cave species. <i>Scientific Reports</i> , 2017, 7, 17148.	3.3	38
17	Opsin Repertoire and Expression Patterns in Horseshoe Crabs: Evidence from the Genome of <i>Limulus polyphemus</i> (Arthropoda: Chelicerata). <i>Genome Biology and Evolution</i> , 2016, 8, 1571-1589.	2.5	50
18	Evolution under pressure and the adaptation of visual pigment compressibility in deep-sea environments. <i>Molecular Phylogenetics and Evolution</i> , 2016, 105, 160-165.	2.7	13

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19	Collecting and processing mysids, stygiomysids, and lophogastrids. <i>Journal of Crustacean Biology</i> , 2016, 36, 592-595.	0.8	2
20	Beyond the Eye: Molecular Evolution of Extraocular Photoreception. <i>Integrative and Comparative Biology</i> , 2016, 56, 842-852.	2.0	24
21	Ultraviolet filters in stomatopod crustaceans: diversity, ecology, and evolution. <i>Journal of Experimental Biology</i> , 2015, 218, 2055-66.	1.7	19
22	Taxonomic Review of the Orders Mysida and Stygiomysida (Crustacea, Peracarida). <i>PLoS ONE</i> , 2015, 10, e0124656.	2.5	30
23	Using phylogenetically-informed annotation (PIA) to search for light-interacting genes in transcriptomes from non-model organisms. <i>BMC Bioinformatics</i> , 2014, 15, 350.	2.6	62
24	Out of the blue: the evolution of horizontally polarized signals in <i>Haptosquilla</i> (Crustacea). <i>Trends in Ecology and Evolution</i> , 2014, 29, 50-55.	1.7	24
25	Visual pigments, oil droplets, lens, and cornea characterization in the whooping crane (<i>Grus</i>). <i>Trends in Ecology and Evolution</i> , 2014, 29, 10-13.	1.7	13
26	Biological Sunscreens Tune Polychromatic Ultraviolet Vision in Mantis Shrimp. <i>Current Biology</i> , 2014, 24, 1636-1642.	3.9	61
27	Animal Polarization Imaging and Implications for Optical Processing. <i>Proceedings of the IEEE</i> , 2014, 102, 1427-1434.	21.3	21
28	The Evolution of Invertebrate Photopigments and Photoreceptors. <i>Journal of Experimental Biology</i> , 2014, 217, 105-135.		26
29	The Evolution of Complexity in the Visual Systems of Stomatopods: Insights from Transcriptomics. <i>Integrative and Comparative Biology</i> , 2013, 53, 39-49.	2.0	45
30	Shedding new light on opsin evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3-14.	2.6	206
31	The molecular basis of mechanisms underlying polarization vision. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 627-637.	4.0	67
32	Molecular diversity of visual pigments in Stomatopoda (Crustacea). <i>Visual Neuroscience</i> , 2009, 26, 255-265.	1.0	55
33	Spectral sensitivity, visual pigments and screening pigments in two life history stages of the ontogenetic migrator <i>Gnathopausia ingens</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2009, 89, 119-129.	0.8	22
34	Exceptional Variation on a Common Theme: The Evolution of Crustacean Compound Eyes. <i>Evolution: Education and Outreach</i> , 2008, 1, 463-475.	0.8	25
35	Characterization of the Long-Wavelength Opsin from Mecoptera and Siphonaptera: Does a Flea See?. <i>Molecular Biology and Evolution</i> , 2005, 22, 1165-1174.	8.9	30