

# L Patricia Hernandez

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

994  
citations

471061

17  
h-index

454577

30  
g-index

36  
all docs

36  
docs citations

36  
times ranked

751  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distinct mechanisms regulate slow-muscle development. <i>Current Biology</i> , 2001, 11, 1432-1438.	1.8	109
2	Origins, Innovations, and Diversification of Suction Feeding in Vertebrates. <i>Integrative and Comparative Biology</i> , 2015, 55, 134-145.	0.9	97
3	Intraspecific scaling of feeding mechanics in an ontogenetic series of zebrafish, <i>Danio rerio</i> . <i>Journal of Experimental Biology</i> , 2000, 203, 3033-43.	0.8	64
4	The development of muscle fiber type identity in zebrafish cranial muscles. <i>Anatomy and Embryology</i> , 2005, 209, 323-334.	1.5	63
5	Functional Morphology and Developmental Biology of Zebrafish: Reciprocal Illumination from an Unlikely Couple. <i>Integrative and Comparative Biology</i> , 2002, 42, 222-231.	0.9	61
6	Independently evolved upper jaw protrusion mechanisms show convergent hydrodynamic function in teleost fishes. <i>Journal of Experimental Biology</i> , 2012, 215, 1456-1463.	0.8	43
7	Flexibility in starting posture drives flexibility in kinematic behavior of the kinethmoid-mediated premaxillary protrusion mechanism in a cyprinid fish, <i>Cyprinus carpio</i> . <i>Journal of Experimental Biology</i> , 2012, 215, 2262-2272.	0.8	42
8	Premaxillary movements in cyprinodontiform fishes: An unusual protrusion mechanism facilitates "picking" prey capture. <i>Zoology</i> , 2008, 111, 455-466.	0.6	38
9	Morphological variation in the Weberian apparatus of Cypriniformes. <i>Journal of Morphology</i> , 2007, 268, 739-757.	0.6	36
10	Trophic apparatus in cyprinodontiform fishes: Functional specializations for picking and scraping behaviors. <i>Journal of Morphology</i> , 2009, 270, 645-661.	0.6	36
11	Using zebrafish to investigate cypriniform evolutionary novelties: functional development and evolutionary diversification of the kinethmoid. <i>Journal of Experimental Zoology Part B: Molecular and Developmental Evolution</i> , 2007, 308B, 625-641.	0.6	35
12	Morphology of a picky eater: A novel mechanism underlies premaxillary protrusion and retraction within cyprinodontiforms. <i>Zoology</i> , 2008, 111, 442-454.	0.6	31
13	Development of the cypriniform protrusible jaw complex in <i>Danio rerio</i> : Constructional insights for evolution. <i>Journal of Morphology</i> , 2010, 271, 814-825.	0.6	27
14	Anatomical Assessment of the Adult Skeleton of Zebrafish Reared Under Different Thyroid Hormone Profiles. <i>Anatomical Record</i> , 2019, 302, 1754-1769.	0.8	26
15	Suction power output and the inertial cost of rotating the neurocranium to generate suction in fish. <i>Journal of Theoretical Biology</i> , 2015, 372, 159-167.	0.8	22
16	Fishes can use axial muscles as anchors or motors for powerful suction feeding. <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	22
17	Functional significance of intramandibular bending in Poeciliid fishes. <i>Environmental Biology of Fishes</i> , 2008, 83, 507-519.	0.4	21
18	Building trophic specializations that result in substantial niche partitioning within a young adaptive radiation. <i>Journal of Anatomy</i> , 2018, 232, 173-185.	0.9	21

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19	Unusual kinematics and jaw morphology associated with piscivory in the poeciliid, <i>Belonesox belizanus</i> . <i>Zoology</i> , 2010, 113, 140-147.	0.6	20
20	Comparative kinematics of cypriniform premaxillary protrusion. <i>Zoology</i> , 2012, 115, 65-77.	0.6	20
21	Channel catfish use higher coordination to capture prey than to swallow. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190507.	1.2	20
22	Making a master filterer: Ontogeny of specialized filtering plates in silver carp ( <i>Hypophthalmichthys molitrix</i> ). <i>Journal of Morphology</i> , 2018, 279, 925-935.	0.6	19
23	Building an evolutionary innovation: Differential growth in the modified vertebral elements of the zebrafish Weberian apparatus. <i>Zoology</i> , 2009, 112, 97-112.	0.6	15
24	Bottom Feeding and Beyond: How the Premaxillary Protrusion of Cypriniforms Allowed for a Novel Kind of Suction Feeding. <i>Integrative and Comparative Biology</i> , 2015, 55, 74-84.	0.9	14
25	Knowing when to stick: touch receptors found in the remora adhesive disc. <i>Royal Society Open Science</i> , 2020, 7, 190990.	1.1	13
26	Sucker with a fat lip: The soft tissues underlying the viscoelastic grip of remora adhesion. <i>Journal of Anatomy</i> , 2020, 237, 643-654.	0.9	13
27	Thyroid hormone shapes craniofacial bones during postembryonic zebrafish development. <i>Evolution &amp; Development</i> , 2022, 24, 61-76.	1.1	12
28	Channeling vorticity: Modeling the filter-feeding mechanism in silver carp using $\mu$ CT and 3D PIV. <i>Journal of Experimental Biology</i> , 2018, 221, .	0.8	11
29	An XROMM Study of Food Transport and Swallowing in Channel Catfish. <i>Integrative Organismal Biology</i> , 2020, 2, obaa018.	0.9	10
30	The complex trophic anatomy of silver carp, <i>Hypophthalmichthys molitrix</i> , highlighting a novel type of epibranchial organ. <i>Journal of Morphology</i> , 2018, 279, 1615-1628.	0.6	9
31	Morphological and functional maturity of the oral jaws covary with offspring size in Trinidadian guppies. <i>Scientific Reports</i> , 2017, 7, 5771.	1.6	7
32	The Role of Developmental Integration and Historical Contingency in the Origin and Evolution of Cypriniform Trophic Novelty. <i>Integrative and Comparative Biology</i> , 2019, 59, 473-488.	0.9	6
33	Multiple Degrees of Freedom in the Fish Skull and Their Relation to Hydraulic Transport of Prey in Channel Catfish. <i>Integrative Organismal Biology</i> , 2020, 2, obaa031.	0.9	5
34	Developmental ecomorphology of the epibranchial organ of the silver carp, <i>Hypophthalmichthys molitrix</i> . <i>Journal of Fish Biology</i> , 2020, 97, 527-536.	0.7	3
35	The role of heterotopy and heterochrony during morphological diversification of otocephalan epibranchial organs. <i>Evolution &amp; Development</i> , 2022, 24, 79-91.	1.1	3
36	Integrative Organismal Biology – A Journal We Want and Need. <i>Integrative Organismal Biology</i> , 2019, 1, .	0.9	0