

Laura B Porro

List of Publications by Year in descending order

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30
papers

761
citations

471509

17
h-index

526287

27
g-index

30
all docs

30
docs citations

30
times ranked

591
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo bone strain and finite-element modeling of the craniofacial haft in catarrhine primates. <i>Journal of Anatomy</i> , 2011, 218, 112-141.	1.5	83
2	Free body analysis, beam mechanics, and finite element modeling of the mandible of <i>Alligator mississippiensis</i> . <i>Journal of Morphology</i> , 2011, 272, 910-937.	1.2	73
3	Lower limits of ornithischian dinosaur body size inferred from a new Upper Jurassic heterodontosaurid from North America. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 375-381.	2.6	70
4	In vivo bone strain and finite element modeling of the mandible of <i>Alligator mississippiensis</i> . <i>Journal of Anatomy</i> , 2013, 223, 195-227.	1.5	50
5	Digital preparation and osteology of the skull of <i>Lesothosaurus diagnosticus</i> (Ornithischia). <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	2.0	44
6	Descriptive Anatomy and Three-Dimensional Reconstruction of the Skull of the Early Tetrapod <i>Acanthostega gunnari</i> Jarvik, 1952. <i>PLoS ONE</i> , 2015, 10, e0118882.	2.5	39
7	The impact of bone and suture material properties on mandibular function in <i>Alligator mississippiensis</i> : testing theoretical phenotypes with finite element analysis. <i>Journal of Anatomy</i> , 2011, 218, 59-74.	1.5	37
8	A juvenile skull of the primitive ornithischian dinosaur <i>Heterodontosaurus tucki</i> from the Stormberg of southern Africa. <i>Journal of Vertebrate Paleontology</i> , 2008, 28, 702-711.	1.0	36
9	Anatomy and Cranial Functional Morphology of the Small-Bodied Dinosaur <i>Fruitadens haagarorum</i> from the Upper Jurassic of the USA. <i>PLoS ONE</i> , 2012, 7, e31556.	2.5	35
10	Convergence and functional evolution of longirostry in crocodylomorphs. <i>Palaeontology</i> , 2019, 62, 867-887.	2.2	32
11	Inverse dynamic modelling of jumping in the red-legged running frog <i>Kassina maculata</i> . <i>Journal of Experimental Biology</i> , 2017, 220, 1882-1893.	1.7	30
12	Digital dissection of the model organism <i>Xenopus laevis</i> using contrast-enhanced computed tomography. <i>Journal of Anatomy</i> , 2017, 231, 169-191.	1.5	25
13	The Lower Jurassic ornithischian dinosaur <i>Heterodontosaurus tucki</i> Crompton & Charig, 1962: cranial anatomy, functional morphology, taxonomy, and relationships. <i>Zoological Journal of the Linnean Society</i> , 2011, , no-no.	2.3	23
14	Homology of the palpebral and origin of supraorbital ossifications in ornithischian dinosaurs. <i>Lethaia</i> , 2010, 43, 95-111.	1.4	22
15	Computed tomography, anatomical description and three-dimensional reconstruction of the lower jaw of <i>Eusthenopteron foordi</i> <i>Whiteaves</i> , 1881 from the Upper Devonian of Canada. <i>Palaeontology</i> , 2015, 58, 1031-1047.	2.2	21
16	Digital dissection of the head of the rock dove (<i>Columba livia</i>) using contrast-enhanced computed tomography. <i>Zoological Letters</i> , 2019, 5, 17.	1.3	21
17	New heterodontosaurid specimens from the Lower Jurassic of southern Africa and the early ornithischian dinosaur radiation. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2010, 101, 351-366.	0.3	19
18	Kinematic control of extreme jump angles in the red leg running frog (<i>Kassina maculata</i>). <i>Journal of Experimental Biology</i> , 2017, 220, 1894-1904.	1.7	13

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19	<i>In vivo</i> cranial bone strain and bite force in the agamid lizard <i>Uromastix geyri</i> . Journal of Experimental Biology, 2014, 217, 1983-92.	1.7	10
20	Bite force and cranial bone strain in four species of lizards. Journal of Experimental Biology, 2018, 221, .	1.7	10
21	Ontogenetic plasticity in cranial morphology is associated with a change in the food processing behavior in Alpine newts. Frontiers in Zoology, 2020, 17, 34.	2.0	10
22	Descriptive anatomy of the largest known specimen of <i>Protoichthyosaurus prostaxalis</i> (Reptilia: Tj ETQq0 0 0 rgBT /Overlock 10 T skull. PeerJ, 2019, 7, e6112.	2.0	10
23	A digital dissection of two teleost fishes: comparative functional anatomy of the cranial musculoskeletal system in pike (<i>Esox lucius</i>) and eel (<i>Anguilla anguilla</i>). Journal of Anatomy, 2019, 235, 189-204.	1.5	8
24	Tooth replacement in <i>Manidens condorensis</i> : baseline study to address the replacement pattern in dentitions of early ornithischians. Papers in Palaeontology, 2021, 7, 1167-1193.	1.5	7
25	A <i>Crassigyrinus</i> -like jaw from the Tournaisian (Early Mississippian) of Scotland. Earth and Environmental Science Transactions of the Royal Society of Edinburgh, 2017, 108, 37-46.	0.3	6
26	A novel kinematics analysis method using quaternion interpolation—a case study in frog jumping. Journal of Theoretical Biology, 2018, 454, 410-424.	1.7	6
27	Unravelling the structural variation of lizard osteoderms. Acta Biomaterialia, 2022, 146, 306-316.	8.3	6
28	The impact of pelvic lateral rotation on hindlimb kinematics and stride length in the red-legged running frog, <i>Kassina maculata</i> . Royal Society Open Science, 2019, 6, 190060.	2.4	5
29	Osteology and digital reconstruction of the skull of the early tetrapod <i>Whatcheeria deltae</i> . Journal of Vertebrate Paleontology, 2021, 41, .	1.0	5
30	Cranial functional morphology of the pseudosuchian <i>Effigia</i> and implications for its ecological role in the Triassic. Anatomical Record, 2022, 305, 2435-2462.	1.4	5