Diego Pol

List of Publications by Year
in descending order

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124 papers	5,551 citations	66343 42 h-index	98798 67 g-index
128 all docs	128 docs citations	128 times ranked	2513 citing authors

#	Article	IF	Citations
1	A Basal Dromaeosaurid and Size Evolution Preceding Avian Flight. Science, 2007, 317, 1378-1381.	12.6	293
2	Unstable taxa in cladistic analysis: identification and the assessment of relevant characters. Cladistics, 2009, 25, 515-527.	3.3	203
3	A pug-nosed crocodyliform from the Late Cretaceous of Madagascar. Nature, 2000, 405, 941-944.	27.8	185
4	Homeotic effects, somitogenesis and the evolution of vertebral numbers in recent and fossil amniotes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2118-2123.	7.1	173
5	Skull anatomy ofDakosaurus andiniensis(Thalattosuchia: Crocodylomorpha) and the phylogenetic position of Thalattosuchia. Journal of Systematic Palaeontology, 2009, 7, 163-197.	1.5	131
6	High-precision Uâ€“Pb geochronology and a new chronostratigraphy for the CaÃ±adÃ³n Asfalto Basin, Chubut, central Patagonia: Implications for terrestrial faunal and floral evolution in Jurassic. Gondwana Research, 2013, 24, 1267-1275.	6.0	130
7	Splendid and Seldom Isolated: The Paleobiogeography of Patagonia. Annual Review of Earth and Planetary Sciences, 2013, 41, 561-603.	11.0	120
8	A New Notosuchian from the Late Cretaceous of Brazil and the Phylogeny of Advanced Notosuchians. PLoS ONE, 2014, 9, e93105.	2.5	120
9	New remains ofSphagesaurus huenei(Crocodylomorpha: Mesoeucrocodylia) from the Late Cretaceous of Brazil. Journal of Vertebrate Paleontology, 2003, 23, 817-831.	1.0	119
10	A Complete Skull of an Early Cretaceous Sauropod and the Evolution of Advanced Titanosaurians. PLoS ONE, 2011, 6, e16663.	2.5	117
11	A bizarre Cretaceous theropod dinosaur from Patagonia and the evolution of Gondwanan dromaeosaurids. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1101-1107.	2.6	108
12	A Middle Jurassic abelisaurid from Patagonia and the early diversification of theropod dinosaurs. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3170-3175.	2.6	107
13	Untangling the dinosaur family tree. Nature, 2017, 551, E1-E3.	27.8	99
14	A new giant titanosaur sheds light on body mass evolution among sauropod dinosaurs. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171219.	2.6	98
15	New evidence on deinonychosaurian dinosaurs from the Late Cretaceous of Patagonia. Nature, 2005, 433, 858-861.	27.8	94
16	New Araripesuchus Remains from the Early Late Cretaceous (Cenomanianâ€“Turonian) of Patagonia. American Museum Novitates, 2005, 3490, 1.	0.6	91
17	Postcranial anatomy of Sebecus icaeorhinus (Crocodyliformes, Sebecidae) from the Eocene of Patagonia. Journal of Vertebrate Paleontology, 2012, 32, 328-354.	1.0	88
18	Incorporating phylogenetic uncertainty on phylogenyâ€based palaeontological dating and the timing of turtle diversification. Cladistics, 2013, 29, 233-246.	3.3	88

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19	An Unusual Marine Crocodyliform from the Jurassic-Cretaceous Boundary of Patagonia. Science, 2006, 311, 70-73.	12.6	86
20	Biases in Maximum Likelihood and Parsimony: A Simulation Approach to a 10-Taxon Case. Cladistics, 2001, 17, 266-281.	3.3	84
21	The osteology ofChubutisaurus insignisdel Corro, 1975 (Dinosauria: Neosauropoda) from the â€˜middleâ€™ Cretaceous of central Patagonia, Argentina. Journal of Vertebrate Paleontology, 2011, 31, 93-110.	1.0	78
22	A new basal rebbachisaurid (Sauropoda, Diplodocoidea) from the Early Cretaceous of the NeuquÃ©n Basin; evolution and biogeography of the group. Historical Biology, 2012, 24, 631-654.	1.4	78
23	Osteology and phylogenetic relationships of Tehuelchesaurus benitezii (Dinosauria, Sauropoda) from the Upper Jurassic of Patagonia. Zoological Journal of the Linnean Society, 2011, 163, 605-662.	2.3	76
24	Postcranial anatomy and phylogenetic relationships ofMussaurus patagonicus(Dinosauria,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	72
25	Redescription of the Cranial Morphology of Mariliasuchus Amarali, and Its Phylogenetic Affinities (crocodyliformes, Notosuchia). American Museum Novitates, 2006, 3512, 1.	0.6	71
26	Empirical Problems of the Hierarchical Likelihood Ratio Test for Model Selection. Systematic Biology, 2004, 53, 949-962.	5.6	70
27	A New Sauropodomorph Dinosaur from the Early Jurassic of Patagonia and the Origin and Evolution of the Sauropod-type Sacrum. PLoS ONE, 2011, 6, e14572.	2.5	70
28	Semi-strict supertrees. Cladistics, 2002, 18, 514-525.	3.3	64
29	A New Basal Sauropodomorph (Dinosauria: Saurischia) from Quebrada del Barro Formation (Marayes-El Carrizal Basin), Northwestern Argentina. PLoS ONE, 2011, 6, e26964.	2.5	63
30	Forelimb muscle and joint actions in Archosauria: insights fromCrocodylus johnstoni(Pseudosuchia) andMussaurus patagonicus(Sauropodomorpha). PeerJ, 2017, 5, e3976.	2.0	61
31	An early trend towards gigantism in Triassic sauropodomorph dinosaurs. Nature Ecology and Evolution, 2018, 2, 1227-1232.	7.8	61
32	Comments on the Manhattan Stratigraphic Measure. Cladistics, 2001, 17, 285-289.	3.3	60
33	A New Crocodyliform from Zos Canyon, Mongolia. American Museum Novitates, 2004, 3445, 1-36.	0.6	59
34	Novel insight into the origin of the growth dynamics of sauropod dinosaurs. PLoS ONE, 2017, 12, e0179707.	2.5	57
35	Uncertainty in the Age of Fossils and the Stratigraphic Fit to Phylogenies. Systematic Biology, 2006, 55, 512-521.	5.6	56
36	Skull anatomy ofMussaurus patagonicus(Dinosauria: Sauropodomorpha) from the Late Triassic of Patagonia. Historical Biology, 2007, 19, 125-144.	1.4	56

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37	Bizarre notosuchian crocodyliform with associated eggs from the Upper Cretaceous of Bolivia. Journal of Vertebrate Paleontology, 2009, 29, 1316-1320.	1.0	55
38	A Middle Jurassic heterodontosaurid dinosaur from Patagonia and the evolution of heterodontosaurids. Die Naturwissenschaften, 2011, 98, 369-379.	1.6	53
39	The first dinosaur egg was soft. Nature, 2020, 583, 406-410.	27.8	51
40	A new sebecid mesoeucrocodylian from the Rio Loro Formation (Palaeocene) of north-western Argentina. Zoological Journal of the Linnean Society, 2011, 163, S7-S36.	2.3	48
41	A new Early Cretaceous brachiosaurid (Dinosauria, Neosauropoda) from northwestern Gondwana (Villa de Leiva, Colombia). Journal of Vertebrate Paleontology, 2015, 35, e980505.	1.0	48
42	Evolutionary Integration and Modularity in the Archosaur Cranium. Integrative and Comparative Biology, 2019, 59, 371-382.	2.0	48
43	Ontogenetic changes in the body plan of the sauropodomorph dinosaur Mussaurus patagonicus reveal shifts of locomotor stance during growth. Scientific Reports, 2019, 9, 7614.	3.3	48
44	Major Radiations in the Evolution of Caviid Rodents: Reconciling Fossils, Ghost Lineages, and Relaxed Molecular Clocks. PLoS ONE, 2012, 7, e48380.	2.5	47
45	Morphological Data Sets Fit a Common Mechanism Much More Poorly than DNA Sequences and Call Into Question the Mkv Model. Systematic Biology, 2019, 68, 494-504.	5.6	47
46	Basal crocodyliforms from the Lower Cretaceous Tugulu Group (Xinjiang, China), and the phylogenetic position of Edentosuchus. Cretaceous Research, 2004, 25, 603-622.	1.4	46
47	Anatomy ofMahakala omnogovae(Theropoda: Dromaeosauridae), TÃ¶grÃ¶giin Shiree, Mongolia. American Museum Novitates, 2011, 3722, 1-66.	0.6	46
48	Late Cretaceous reptilian biota of the La Colonia Formation, central Patagonia, Argentina: Occurrences, preservation and paleoenvironments. Cretaceous Research, 2015, 54, 154-168.	1.4	46
49	The postcranial anatomy of Coloradisaurus brevis (Dinosauria: Sauropodomorpha) from the Late Triassic of Argentina and its phylogenetic implications. Palaeontology, 2013, 56, 277-301.	2.2	45
50	A new basal sauropodiform from South Africa and the phylogenetic relationships of basal sauropodomorphs. Zoological Journal of the Linnean Society, 2015, 174, 589-634.	2.3	45
51	The skull of the titanosaurTapuiasaurus macedoi(Dinosauria: Sauropoda), a basal titanosaur from the Lower Cretaceous of Brazil. Zoological Journal of the Linnean Society, 2016, 178, 611-662.	2.3	45
52	Probable basal allosauroid from the early Middle Jurassic CaÃ±adÃ³n Asfalto Formation of Argentina highlights phylogenetic uncertainty in tetanuran theropod dinosaurs. Scientific Reports, 2019, 9, 18826.	3.3	43
53	Measures of stratigraphic fit to phylogeny and their sensitivity to tree size, tree shape, and scale. Cladistics, 2004, 20, 64-75.	3.3	42
54	A New Gobiosuchid Crocodyliform Taxon from the Cretaceous of Mongolia. American Museum Novitates, 2004, 3458, 1-31.	0.6	42

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55	The postcranial anatomy ofYacarerani boliviensisand the phylogenetic significance of the notosuchian postcranial skeleton. Journal of Vertebrate Paleontology, 2015, 35, e995187.	1.0	42
56	A new fossil from the <scp>J</scp>urassic of <scp>P</scp>atagonia reveals the early basicranial evolution and the origins of <scp>C</scp>rocodyliformes. Biological Reviews, 2013, 88, 862-872.	10.4	41
57	A new Late Cretaceous crocodyliform from the western margin ofÂGondwana (La Rioja Province,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	37
58	A Jurassic pterosaur from Patagonia and the origin of the pterodactyloid neurocranium. PeerJ, 2016, 4, e2311.	2.0	36
59	Evolution of genomes, host shifts and the geographic spread of SARSâ€CoV and related coronaviruses. Cladistics, 2008, 24, 111-130.	3.3	35
60	Tooth morphology of Notosuchus terrestris (Notosuchia: Mesoeucrocodylia): New evidence and implications. Comptes Rendus - Palevol, 2008, 7, 407-417.	0.2	35
61	The first crocodyliform from the Chubut Group (Chubut Province, Argentina) and its phylogenetic position within basal Mesoeucrocodylia. Cretaceous Research, 2009, 30, 1376-1386.	1.4	35
62	New Patagonian Cretaceous theropod sheds light about the early radiation of Coelurosauria. Revista Del Museo Argentino De Ciencias Naturales, Nueva Serie, 2012, 14, 57-81.	0.2	35
63	Detailed anatomy of the braincase ofMacelognathus vagansMarsh, 1884 (Archosauria,) Tj ETQq1 1 0.784314 rgBT /Overlock phylogeny. PeerJ, 2017, 5, e2801.	2.0	32
64	A new specimen ofUruguaysuchus aznarezi(Crocodyliformes: Notosuchia) from the middle Cretaceous of Uruguay and its phylogenetic relationships. Zoological Journal of the Linnean Society, 2011, 163, S173-S198.	2.3	31
65	A newEocaiman(Alligatoridae, Crocodylia) from the ItaboraÃ-Basin, Paleogene of Rio de Janeiro, Brazil. Historical Biology, 2013, 25, 327-337.	1.4	31
66	Redescription of the Skull ofColoradisaurus brevis(Dinosauria, Sauropodomorpha) from the Late Triassic Los Colorados Formation of the Ischigualasto-Villa Union Basin, northwestern Argentina. Journal of Vertebrate Paleontology, 2014, 34, 1113-1132.	1.0	31
67	Osteology and phylogenetic relationships ofTyrannotitan chubutensisNovas, de Valais, Vickers-Rich and Rich, 2005 (Theropoda: Carcharodontosauridae) from the Lower Cretaceous of Patagonia, Argentina. Historical Biology, 2015, 27, 1-32.	1.4	31
68	Parsimony and Bayesian phylogenetics. , 2006, , 148-160.		29
69	Osteohistological insight into the early stages of growth inMussaurus patagonicus(Dinosauria, Sauropodomorpha). Historical Biology, 2014, 26, 110-121.	1.4	28
70	Subaqueous foraging among carnivorous dinosaurs. Nature, 2022, 603, 852-857.	27.8	28
71	Using Dental Enamel Wrinkling to Define Sauropod Tooth Morphotypes from the CaÃ±adÃ³n Asfalto Formation, Patagonia, Argentina. PLoS ONE, 2015, 10, e0118100.	2.5	27
72	Unusual Endosteally Formed Bone Tissue in a Patagonian Basal Sauropodomorph Dinosaur. Anatomical Record, 2014, 297, 1385-1391.	1.4	26

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73	Triassic sauropodomorph dinosaurs from South America: The origin and diversification of dinosaur dominated herbivorous faunas. Journal of South American Earth Sciences, 2021, 107, 103145.	1.4	26
74	The dentition of AmygdalodonÂpatagonicus (Dinosauria: Sauropoda) and the dental evolution in basal sauropods. Comptes Rendus - Palevol, 2010, 9, 83-93.	0.2	25
75	A diplodocid sauropod dinosaur from the Late Jurassic CaÃ±adÃ³n CalcÃ¡reo Formation of Chubut, Argentina. Journal of Vertebrate Paleontology, 2015, 35, e982798.	1.0	25
76	Extinction of herbivorous dinosaurs linked to Early Jurassic global warming event. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20202310.	2.6	24
77	High-resolution chronostratigraphy of the Cerro Barcino Formation (Patagonia): Paleobiologic implications for the mid-cretaceous dinosaur-rich fauna of South America. Gondwana Research, 2020, 80, 33-49.	6.0	23
78	The antorbital fenestra of Metriorhynchidae (Crocodyliformes, Thalattosuchia): Testing Its homology within a phylogenetic framework. Journal of Vertebrate Paleontology, 2012, 32, 490-494.	1.0	20
79	On Divide-and-Conquer Strategies for Parsimony Analysis of Large Data Sets: Rec-I-DCM3 versus TNT. Systematic Biology, 2007, 56, 485-495.	5.6	19
80	Braincase anatomy of Almadasuchus figarii (Archosauria, Crocodylomorpha) and a review of the cranial pneumaticity in the origins of Crocodylomorpha. Journal of Anatomy, 2020, 237, 48-73.	1.5	19
81	DEALING WITH INCOMPLETENESS: NEW ADVANCES FOR THE USE OF FOSSILS IN PHYLOGENETIC ANALYSIS. Palaios, 2011, 26, 121-124.	1.3	18
82	Archaeopteryx, paravian phylogenetic analyses, and the use of probability-based methods for palaeontological datasets. Journal of Systematic Palaeontology, 2014, 12, 323-334.	1.5	18
83	DIVERSITY PATTERNS OF NOTOSUCHIA (CROCODYLIFORMES, MESOEUCROCODYLIA) DURING THE CRETACEOUS OF GONDWANA. Publicacion Electronica De La Asociacion Paleontologica Argentina, 2015, , .	0.1	18
84	Earliest evidence of herd-living and age segregation amongst dinosaurs. Scientific Reports, 2021, 11, 20023.	3.3	18
85	Anatomy and phylogenetic position ofVenaticosuchus rusconiiBonaparte, 1970 (Archosauria,) Tj ETQq1 1 0.784314 rgBT /Ove Vertebrate Paleontology, 2014, 34, 1342-1356.	1.0	17
86	New Patagonian baurusuchids (Crocodylomorpha; Notosuchia) from the Bajo de la Carpa Formation (Upper Cretaceous; NeuquÃ©n, Argentina): New evidences of the early sebecosuchian diversification in Gondwana. Comptes Rendus - Palevol, 2018, 17, 504-521.	0.2	17
87	Comments on the Manhattan Stratigraphic Measure. Cladistics, 2001, 17, 285-289.	3.3	16
88	A Theropod Dinosaur from the Late Jurassic CaÃ±adÃ³n CalcÃ¡reo Formation of Central Patagonia, and the Evolution of the Theropod Tarsus. Ameghiniana, 2017, 54, 539-566.	0.7	13
89	New anatomical information on Araripesuchus buitreraensis with implications for the systematics of Uruguaysuchidae (Crocodyliforms, Notosuchia). Cretaceous Research, 2020, 113, 104494.	1.4	13
90	Sauropodomorph evolution across the Triassicâ€“Jurassic boundary: body size, locomotion, and their influence on morphological disparity. Scientific Reports, 2021, 11, 22534.	3.3	13

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91	A new protosuchid crocodyliform (Pseudosuchia, Crocodylomorpha) from the Norian Los Colorados Formation, northwestern Argentina. Journal of Vertebrate Paleontology, 2018, 38, (1)-(12).	1.0	12
92	Complex macroevolutionary dynamics underly the evolution of the crocodyliform skull. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210919.	2.6	12
93	The Long Bone Histology of the Sauropodomorph, Antetonitrus ingenipes. Anatomical Record, 2018, 301, 1506-1518.	1.4	11
94	Semi-strict supertrees. Cladistics, 2002, 18, 514-525.	3.3	10
95	New heterodontosaurid remains from the CaÃ±adÃ³n Asfalto Formation: cursoriality and the functional importance of the pes in small heterodontosaurids. Journal of Paleontology, 2016, 90, 555-577.	0.8	10
96	South American Crocodylomorphs (Archosauria; Crocodylomorpha): A review of the early fossil record in the continent and its relevance on understanding the origins of the clade. Journal of South American Earth Sciences, 2020, 104, 102780.	1.4	10
97	Biomechanical performance of the cranioâ€mandibular complex of the small notosuchian Araripesuchus gomesii (Notosuchia, Uruguaysuchidae). Anatomical Record, 2022, 305, 2695-2707.	1.4	10
98	The dentition ofManidens condorensis(Ornithischia; Heterodontosauridae) from the Jurassic CaÃ±adÃ³n Asfalto Formation of Patagonia: morphology, heterodonty and the use of statistical methods for identifying isolated teeth. Historical Biology, 2014, 26, 480-492.	1.4	9
99	1st Symposium on the evolution of crocodyliforms. Zoological Journal of the Linnean Society, 2011, 163, S1-S6.	2.3	8
100	Heterodonty and double occlusion in Manidens condorensis: a unique adaptation in an Early Jurassic ornithischian improving masticatory efficiency. Die Naturwissenschaften, 2018, 105, 41.	1.6	8
101	New information on the postcranial skeleton of Gracilisuchus stipanicicorum (Archosauria: Suchia) and reappraisal of its phylogenetic position. Zoological Journal of the Linnean Society, 2017, 181, 638-677.	2.3	7
102	Tooth replacement in Manidens condorensis: baseline study to address the replacement pattern in dentitions of early ornithischians. Papers in Palaeontology, 2021, 7, 1167-1193.	1.5	7
103	Phylogenetic analysis of Gondwanan basal eusauropods from the Early-Middle Jurassic of Patagonia, Argentina. Spanish Journal of Paleontology, 2018, 33, 289.	0.1	7
104	Biases in Maximum Likelihood and Parsimony: A Simulation Approach to a 10â€Taxon Case. Cladistics, 2001, 17, 266-281.	3.3	6
105	Osteological revision of the holotype of the Middle Jurassic sauropod dinosaur Patagosaurus fariasi Bonaparte, 1979 (Sauropoda: Cetiosauridae). Geodiversitas, 2021, 43, .	0.8	6
106	Ontogenetic changes in the postcranial skeleton of Mussaurus patagonicus (Dinosauria,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 Journal of Systematic Palaeontology, 0, , 1-50.	1.5	6
107	The effects of skull flattening on suchian jaw muscle evolution. Anatomical Record, 2022, 305, 2791-2822.	1.4	6
108	Morphology of the Late Cretaceous Crocodylomorph Shamosuchus djadochtaensis and a Discussion of Neosuchian Phylogeny as Related to the Origin of Eusuchia. Bulletin of the American Museum of Natural History, 2009, , .	3.4	5

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109	Unexpected larger distribution of paleogene stem-rollers (AVES, CORACII): new evidence from the Eocene of Patagonia, Argentina. Scientific Reports, 2021, 11, 1363.	3.3	5
110	A new sebecid mesoeucrocodylian from the Paleocene of northwestern Argentina. Journal of Vertebrate Paleontology, 2021, 41, .	1.0	5
111	A sauropodomorph tooth increases the diversity of dental morphotypes in the CaÃ±adÃ³n Asfalto Formation (EarlyÂâ€“ÂMiddle Jurassic) of Patagonia. Comptes Rendus - Palevol, 2017, 16, 832-840.	0.2	4
112	First Osteological Record of a Stegosaur (Dinosauria, Ornithischia) from the Upper Jurassic of South America. Journal of Vertebrate Paleontology, 0, , e1862133.	1.0	4
113	The enamel microstructure of Manidens condorensis: new hypotheses on the ancestral state and evolution of enamel in Ornithischia. Acta Palaeontologica Polonica, 0, 65, .	0.4	3
114	AN EARLY JURASSIC SAUROPOD TOOTH FROM PATAGONIA (CAÃ‘ADÃ“N ASFALTO FORMATION): IMPLICATIONS FOR SAUROPOD DIVERSITY. Publicacion Electronica De La Asociacion Paleontologica Argentina, 0, , .	0.1	3
115	An Early Cretaceous theropod dinosaur from Brazil sheds light on the cranial evolution of the Abelisauridae. Comptes Rendus - Palevol, 2020, , .	0.2	3
116	On the homology of crocodylian postâ€dentary bones and their macroevolution throughout Pseudosuchia. Anatomical Record, 2022, 305, 2980-3001.	1.4	3
117	New theropod remains from the Late Jurassic CaÃ±adÃ³n CalcÃ¡reo formation of Chubut, Argentina. Journal of South American Earth Sciences, 2021, 111, 103434.	1.4	2
118	Dental histology and attachment tissues in Notosuchus terrestris (Crocodyliformes,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 T	1.4	2
119	Sauropods from the Early Jurassic of South America and the Radiation of Eusauropoda. Springer Earth System Sciences, 2022, , 131-163.	0.2	1
120	Gondwanan Perspectives: Cretaceousâ€”Paleogene Biota of West Antarctica. Ameghiniana, 2016, 53, 241-244.	0.7	0
121	Large-Scale Phylogenetic Analysis of Emerging Infectious Diseases. Lecture Notes in Mathematics, 2008, , 39-76.	0.2	0
122	Gondwanan Perspectives: The Origins of Patagonia, a Challenging Geological Puzzle. Ameghiniana, 2020, 57, .	0.7	0
123	PALEOHERPETOLOGÃA EN EL MUSEO PALEONTOLÃ“GICO EGIDIO FERUGLIO (TRELEW, CHUBUT). Publicacion Electronica De La Asociacion Paleontologica Argentina, 0, , .	0.1	0
124	The choanal anatomy of the Sebecus icaeorhinus Simpson, 1937 and the variation of the palatine shape in notosuchians (Crocodyliformes, Mesoeucrocodylia). Journal of Paleontology, 0, , 1-13.	0.8	0