

Anthony P Russell

List of Publications by Year in descending order

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106
papers

3,025
citations

186265
28
h-index

197818
49
g-index

107
all docs

107
docs citations

107
times ranked

1719
citing authors

#	ARTICLE	IF	CITATIONS
19	Between a rock and a soft place: microtopography of the locomotor substrate and the morphology of the setal fields of <i>Ninia diademata</i> (Gekkonidae: Gekkoninae). <i>Trends in Ecology & Evolution</i> , 2014, 29, 1119-1143.	7.84	314
20	Insights from studies of gecko-inspired adhesion and their impact on our understanding of the evolution of the gekkotan adhesive system. <i>Journal of Adhesion Science and Technology</i> , 2007, 21, 1119-1143.	2.6	40
21	The origin of parachuting locomotion in gekkonid lizards (Reptilia: Gekkonidae). <i>Zoological Journal of the Linnean Society</i> , 1979, 65, 233-249.	2.3	38
22	Tail autotomy and subsequent regeneration alter the mechanics of locomotion in lizards. <i>Journal of Experimental Biology</i> , 2014, 217, 3891-7.	1.7	38
23	Laryngotracheal morphology of Afro-Madagascan Geckos: A comparative survey. <i>Journal of Morphology</i> , 2000, 245, 241-268.	1.2	36
24	Claw retraction and protraction in the Carnivora: the cheetah (<i>Acinonyx jubatus</i>) as an atypical felid. <i>Journal of Zoology</i> , 2001, 254, 67-76.	1.7	35
25	Locomotor morphometry of the <i>Pachydactylus</i> radiation of lizards (Gekkota: Gekkonidae): a phylogenetically and ecologically informed analysis. <i>Canadian Journal of Zoology</i> , 2005, 83, 1511-1524.	1.0	35
26	<i>Hoplodactylus delcourti</i> n. sp. (Reptilia: Gekkonidae), the largest known gecko. <i>New Zealand Journal of Zoology</i> , 1986, 13, 141-148.	1.1	32
27	Claw retraction and protraction in the carnivora: Skeletal microvariation in the phalanges of the Felidae. <i>Journal of Zoology</i> , 1996, 229, 289-308.		32
28	Vertebrate microsite sampling: How much is enough?. <i>Journal of Vertebrate Paleontology</i> , 2003, 23, 725-734.	1.0	31
29	The Tyrannosaurid metatarsus: Bone strain and inferred ligament function. <i>Senckenbergiana Lethaea</i> , 2002, 82, 35-42.	0.3	30
30	Evolution of the Gekkotan Adhesive System: Does Digit Anatomy Point to One or More Origins?. <i>Integrative and Comparative Biology</i> , 2019, 59, 131-147.	2.0	30
31	Morphology of gekkonid cutaneous sensilla, with comments on function and phylogeny in the <i>Carphodactylini</i> (Reptilia: Gekkonidae). <i>Canadian Journal of Zoology</i> , 1988, 66, 1583-1588.	1.0	29
32	Population genetic structure and species delimitation of a widespread, Neotropical dwarf gecko. <i>Molecular Phylogenetics and Evolution</i> , 2019, 133, 54-66.	2.7	29
33	A revision of the late campanian centrosaurine ceratopsid genus <i>Styracosaurus</i> from the Western Interior of North America. <i>Journal of Vertebrate Paleontology</i> , 2007, 27, 944-962.	1.0	28
34	Ontogenetic scaling of scansorial surface area and setal dimensions of <i>Chondrodactylus bibronii</i> (Gekkota: Gekkonidae): testing predictions derived from cross-species comparisons of gekkotans. <i>Acta Zoologica</i> , 2009, 90, 18-29.	0.8	28
35	The evolution of digit form in <i>Gehyra</i> (<i>Gehyra</i>) (<i>Gehyra</i> : <i>Sphaerodactylidae</i>) and its bearing on the transition from frictional to adhesive contact in gekkotans. <i>Journal of Morphology</i> , 2015, 276, 1311-1332.	1.2	28
36	Patagial morphology of <i>Draco volans</i> (Reptilia: Agamidae) and the origin of glissant locomotion in flying dragons. <i>Journal of Zoology</i> , 2001, 253, 457-471.	1.7	27

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37	The anatomy and development of the claws of <i>Xenopus laevis</i> (Lissamphibia: Anura) reveal alternate pathways of structural evolution in the integument of tetrapods. <i>Journal of Anatomy</i> , 2009, 214, 607-619.	1.5	26
38	Flip, flop and fly: modulated motor control and highly variable movement patterns of autotomized gecko tails. <i>Biology Letters</i> , 2010, 6, 70-73.	2.3	26
39	Supraorbital ossifications in geckos (Reptilia: Gekkonidae). <i>Canadian Journal of Zoology</i> , 1989, 67, 678-684.	1.0	25
40	A systematic review of the genus <i>Uroplatus</i> (Reptilia: Gekkonidae), with comments on its biology. <i>Journal of Natural History</i> , 1989, 23, 169-203.	0.5	25
41	Pedal specialisations in dune-dwelling geckos. <i>Journal of Arid Environments</i> , 1991, 20, 43-62.	2.4	25
42	Structural characteristics of the patagium of <i>Ptychozoon kuhli</i> (Reptilia: Gekkonidae) in relation to parachuting locomotion. <i>Journal of Morphology</i> , 2001, 247, 252-263.	1.2	25
43	Relative Apportioning of Resources to the Body and Regenerating Tail in Juvenile Leopard Geckos (<i>Eublepharis macularius</i>) Maintained on Different Dietary Rations. <i>Physiological and Biochemical Zoology</i> , 2013, 86, 659-668.	1.5	25
44	Locomotor correlates of ecomorph designation in <i>Anolis</i> : an examination of three sympatric species from Jamaica. <i>Canadian Journal of Zoology</i> , 1992, 70, 725-739.	1.0	24
45	Structure of the larynx of the tokay gecko (<i>Gekko gecko</i>), with particular reference to the vocal cords and glottal lips. <i>Journal of Morphology</i> , 1991, 210, 227-238.	1.2	23
46	The aponeuroses of the lacertilian ankle. <i>Journal of Morphology</i> , 1993, 218, 65-84.	1.2	23
47	Lower rotational inertia and larger leg muscles indicate more rapid turns in tyrannosaurids than in other large theropods. <i>PeerJ</i> , 2019, 7, e6432.	2.0	22
48	Limb and digit orientation during vertical clinging in Bibron's gecko, <i>Chondrodactylus bibronii</i> (A. Smith, 1846) and its bearing on the adhesive capabilities of geckos. <i>Acta Zoologica</i> , 2016, 97, 345-360.	0.8	21
49	Differential segmental growth of the vertebral column of the rat (<i>Rattus norvegicus</i>). <i>Zoology</i> , 2006, 109, 54-65.	1.2	20
50	Earliest North American occurrence of Polycotylidae (Sauropterygia: Plesiosauria) from the Lower Cretaceous (Albian) Clearwater Formation, Alberta, Canada. <i>Journal of Paleontology</i> , 2009, 83, 981-989.	0.8	20
51	Leaping lizards landing on leaves: escape-induced jumps in the rainforest canopy challenge the adhesive limits of geckos. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170156.	3.4	20
52	Development of the subdigital adhesive pads of <i>Ptyodactylus guttatus</i> (Reptilia: Gekkonidae). <i>Journal of Morphology</i> , 1992, 211, 243-258.	1.2	19
53	Left in the dust: differential effectiveness of the two alternative adhesive pad configurations in geckos (Reptilia: Gekkota). <i>Journal of Zoology</i> , 2017, 301, 61-68.	1.7	19
54	The regenerated tail of juvenile leopard geckos (Gekkota: Eublepharidae: <i>Eublepharis macularius</i>) preferentially stores more fat than the original. <i>Zoology</i> , 2015, 118, 183-191.	1.2	18

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55	Tail growth in <i>Chamaeleo dilepis</i> (Sauria: Chamaeleonidae): functional implications of segmental patterns. <i>Journal of Zoology</i> , 2003, 261, 417-425.	1.7	17
56	Growth of the Original Tail in <i>Anolis grahami</i> : Isometry of the Whole Is a Product of Regional Differences. <i>Journal of Herpetology</i> , 2001, 35, 232.	0.5	16
57	Morphology and Histology of the Tongue and Oral Chamber of <i>Eublepharis macularius</i> (Squamata: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Evolutionary Biology, 2009, 36, 397-406.	1.1	16
58	Digital reduction in <i>Sitana</i> (Reptilia: Agamidae) and the dual roles of the fifth metatarsal in lizards. <i>Canadian Journal of Zoology</i> , 1979, 57, 1129-1135.	1.0	15
59	Anatomy of the Crus and Pes of Neotropical Iguanian Lizards in Relation to Habitat use and Digitally Based Grasping Capabilities. <i>Anatomical Record</i> , 2014, 297, 397-409.	1.4	15
60	Developmental mechanisms underlying differential claw expression in the autopodia of geckos. <i>EvoDevo</i> , 2015, 6, 8.	3.2	15
61	Supraspecific taxa as terminals in cladistic analysis: implicit assumptions of monophyly and a comparison of methods. <i>Biological Journal of the Linnean Society</i> , 1998, 64, 101-133.	1.6	15
62	The Genera <i>Rhoptropus</i> and <i>Phelsuma</i> (Reptilia: Gekkonidae) in Southern Africa: A Case of Convergence and a Reconsideration of the Biogeography of <i>Phelsuma</i> . <i>Zoologica Africana</i> , 1977, 12, 393-408.	0.2	14
63	Experimental evidence for friction-enhancing integumentary modifications of chameleons and associated functional and evolutionary implications. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132334.	2.6	14
64	The Phalangeal Formula of <i>Hemidactylus</i> Oken, 1817 (Reptilia, Gekkonidae): A Correction and a Functional Explanation. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 1977, 6, 332-338.	0.7	13
65	Topography of the digital cutaneous sensilla of the tokay gecko, <i>Gekko gecko</i> (Reptilia, Gekkonidae), and their potential role in locomotion. <i>Canadian Journal of Zoology</i> , 1993, 71, 2462-2472.	1.0	13
66	The structure of anoline (Reptilia: Dactyloidae: <i>Anolis</i>) toe pads in relation to substratum conformity. <i>Acta Zoologica</i> , 2017, 98, 300-309.	0.8	13
67	Controlled Chaos: Three-Dimensional Kinematics, Fiber Histochemistry, and Muscle Contractile Dynamics of Autotomized Lizard Tails. <i>Physiological and Biochemical Zoology</i> , 2013, 86, 611-630.	1.5	12
68	The same but different: setal arrays of anoles and geckos indicate alternative approaches to achieving similar adhesive effectiveness. <i>Journal of Anatomy</i> , 2021, 238, 1143-1155.	1.5	12
69	The larynx and trachea of the barking gecko, <i>Ptenopus garrulus maculatus</i> (Reptilia: Gekkonidae) and their relation to vocalization. <i>South African Journal of Zoology</i> , 1998, 33, 23-30.	0.5	11
70	Time-varying motor control of autotomized leopard gecko tails: multiple inputs and behavioral modulation. <i>Journal of Experimental Biology</i> , 2012, 215, 435-441.	1.7	11
71	Density and distribution of cutaneous sensilla on tails of leopard geckos (<i>Eublepharis</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.2	11
72	Going Out on a Limb: How Investigation of the Anoline Adhesive System Can Enhance Our Understanding of Fibrillar Adhesion. <i>Integrative and Comparative Biology</i> , 2019, 59, 61-69.	2.0	11

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73	Vocalization by extant nonavian reptiles: A synthetic overview of phonation and the vocal apparatus. <i>Anatomical Record</i> , 2021, 304, 1478-1528.	1.4	11
74	Sounding Off: Relationships between Call Properties, Body Size, Phylogeny, and Laryngotracheal Form of Geckos. <i>Herpetologica</i> , 2019, 75, 175.	0.4	11
75	Histology and histochemistry of the gekkotan notochord and their bearing on the development of notochordal cartilage. <i>Journal of Morphology</i> , 2012, 273, 596-603.	1.2	10
76	What is bred in the bone: Ecomorphological associations of pelvic girdle form in greater Antillean <i>Anolis</i> lizards. <i>Journal of Morphology</i> , 2018, 279, 1016-1030.	1.2	10
77	Setal Field Transects, Evolutionary Transitions and Gecko "Anole Convergence Provide Insights Into the Fundamentals of Form and Function of the Digital Adhesive System of Lizards. <i>Frontiers in Mechanical Engineering</i> , 2021, 6, .	1.8	9
78	Arteries of the antebrachium and manus of the tokay (<i>Gekko gekko</i>) (Reptilia: Gekkonidae). <i>Canadian Journal of Zoology</i> , 1981, 59, 573-582.	1.0	8
79	Underwood's classification of the geckos: a 21st century appreciation. <i>Bulletin of the Natural History Museum Zoology Series</i> , 2002, 68, .	0.2	8
80	MODULATED BUT CONSERVED SEGMENTAL GROWTH OF THE ORIGINAL TAIL IN CALLISAURUS DRACONOIDES (PHRYNOSOMATIDAE) AND CALOTES VERSICOLOR (AGAMIDAE). <i>Herpetologica</i> , 2004, 60, 62-74.	0.4	8
81	The new plesiosaurian genus <i>Nichollssaura</i> from Alberta, Canada: replacement name for the preoccupied genus <i>Nichollsia</i> . <i>Journal of Vertebrate Paleontology</i> , 2009, 29, 276-276.	1.0	8
82	Laryngotracheal and cervical muscular anatomy in the genus <i>Uroplatus</i> (Gekkota: Gekkonidae) in relation to distress call emission. <i>African Journal of Herpetology</i> , 2014, 63, 127-151.	0.9	8
83	Revisiting the classification of squamate adhesive setae: historical, morphological and functional perspectives. <i>Royal Society Open Science</i> , 2021, 8, 202039.	2.4	8
84	Evolution of pedal digit orientation and morphology in relation to acquisition and secondary loss of the adhesive system in geckos. <i>Journal of Morphology</i> , 2019, 280, 1582-1599.	1.2	7
85	Phylogenetic relationships within the extant Mustelidae (Carnivora): appraisal of the cladistic status of the Simpsonian subfamilies. <i>Zoological Journal of the Linnean Society</i> , 1993, 108, 301-334.	2.3	7
86	Surface Characteristics of Locomotor Substrata and Their Relationship to Gekkonid Adhesion: A Case Study of <i>Rhoptropus cf biporosus</i> . , 2009, , 123-154.		7
87	An early description of a member of the genus <i>Phelsuma</i> (Reptilia: Gekkonidae), with comments on names erroneously applied to <i>Uroplatus fimbriatus</i> . <i>Amphibia - Reptilia</i> , 1988, 9, 107-115.	0.5	6
88	Vocalizations of the New Caledonian giant gecko, <i>Rhacodactylus leachianus</i> . <i>Amphibia - Reptilia</i> , 1992, 13, 412-417.	0.5	5
89	Opisthotonic head displacement in the domestic chicken and its bearing on the "dead bird" posture of nonavian dinosaurs. <i>Journal of Zoology</i> , 2016, 298, 20-29.	1.7	5
90	A whole lamella perspective on the origin of the epidermal free margin of <i>Anolis</i> (Reptilia: Dactyloidae) toe pads. <i>Journal of Morphology</i> , 2017, 278, 360-368.	1.2	5

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91	Mechanics and kinematics of fluid uptake and intraoral transport in the leopard gecko. <i>Journal of Zoology</i> , 2020, 311, 33-44.	1.7	5
92	Comments concerning postcloacal bones in geckos (Reptilia: Gekkonidae). <i>Canadian Journal of Zoology</i> , 1977, 55, 1201-1205.	1.0	4
93	A Technique for Visualization of the Circulatory System in Small Lizards. <i>Copeia</i> , 1988, 1988, 797.	1.3	4
94	The phylogenetic distribution, anatomy and histology of the postcloacal bones and adnexa of geckos. <i>Journal of Morphology</i> , 2016, 277, 264-277.	1.2	4
95	On the origin of frictional adhesion in geckos: small morphological changes lead to a major biomechanical transition in the genus <i>Gonatodes</i> . <i>Biological Journal of the Linnean Society</i> , 2016, , .	1.6	4
96	Ontogenetic allometry of the digital rays of the leopard gecko (Gekkota: Eublepharidae); <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (</i>	0.8	4
97	Skin mechanics and morphology of the gecko <i>Teratoscincus scincus</i> . <i>Amphibia - Reptilia</i> , 1993, 14, 321-331.	0.5	3
98	Restorative Regeneration of Digital Tips in the African Clawed Frog (<i>Xenopus laevis</i> Daudin). <i>Anatomical Record</i> , 2011, 294, 253-262.	1.4	3
99	Ecomorphological associations of scapulocoracoid form in Greater Antillean Anolis lizards. <i>Annals of Anatomy</i> , 2020, 231, 151527.	1.9	3
100	The Gecko Effect: Design Principles of the Gekkotan Adhesive System Across Scales of Organization. , 2009, , 103-132.		3
101	Situating and teaching 21st century zoology: revealing pattern in the form and function of animals. <i>Integrative Zoology</i> , 2009, 4, 309-315.	2.6	2
102	Laryngotracheal morphology of Afro-Madagascan Geckos: A comparative survey. , 2000, 245, 241.		1
103	Structural characteristics of the patagium of <i>Ptychozoon kuhli</i> (Reptilia: Gekkonidae) in relation to parachuting locomotion. <i>Journal of Morphology</i> , 2001, 247, 252-263.	1.2	1
104	Patterns of growth in the presacral vertebral column of the leopard gecko (<i>Eublepharis</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (</i>	1.2	0
105	Ankle structure of the Tokay gecko (<i>Gekko gecko</i>) and its role in the deployment of the subdigital adhesive system. <i>Journal of Anatomy</i> , 2021, 239, 1503-1515.	1.5	0
106	Geometric Morphometry of the Breast-Shoulder Apparatus of Greater Antillean Anolis Lizards: In Situ Investigation of a Composite Skeletal Assemblage and Its Relationship to Ecomorphological Categorization. <i>Evolutionary Biology</i> , 2022, 49, 46.	1.1	0