

# Anthony P Russell

## List of Publications by Year in descending order

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106  
papers

3,025  
citations

186265

28  
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197818

49  
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107  
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107  
docs citations

107  
times ranked

1719  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Revisiting the classification of squamate adhesive setae: historical, morphological and functional perspectives. <i>Royal Society Open Science</i> , 2021, 8, 202039.	2.4	8
6	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
7	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
8	Ecomorphological associations of scapulocoracoid form in Greater Antillean Anolis lizards. <i>Annals of Anatomy</i> , 2020, 231, 151527.	1.9	3
9	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
10	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
11	The Integrative Biology of Gecko Adhesion: Historical Review, Current Understanding, and Grand Challenges. <i>Integrative and Comparative Biology</i> , 2019, 59, 101-116.	2.0	64
12	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
13	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
14	The Ecomechanics of Gecko Adhesion: Natural Surface Topography, Evolution, and Biomimetics. <i>Integrative and Comparative Biology</i> , 2019, 59, 148-167.	2.0	44
15	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
16	Sounding Off: Relationships between Call Properties, Body Size, Phylogeny, and Laryngotracheal Form of Geckos. <i>Herpetologica</i> , 2019, 75, 175.	0.4	11
17	Ontogenetic allometry of the digital rays of the leopard gecko ( <i>Gekkota</i> : Eublepharidae;) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.8	4
18	Patterns of growth in the presacral vertebral column of the leopard gecko ( <i>Eublepharis</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (	1.2	0

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19	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
20	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
21	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
22	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
23	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
24	The phylogenetic distribution, anatomy and histology of the postloocal bones and adnexa of geckos. <i>Journal of Morphology</i> , 2016, 277, 264-277.	1.2	4
25	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
26	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
27	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
28	The evolution of digit form in <i>Gonatodes</i> (Gekkota: Sphaerodactylidae) 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
29	Adaptive simplification and the evolution of gecko locomotion: Morphological and biomechanical consequences of losing adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 809-814.	7.1	55
30	Developmental mechanisms underlying differential claw expression in the autopodia of geckos. <i>EvoDevo</i> , 2015, 6, 8.	3.2	15
31	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
32	Subdigital adhesive pad morphology varies in relation to structural habitat use in the Namib Day Gecko. <i>Functional Ecology</i> , 2015, 29, 66-77.	3.6	51
33	Between a rock and a soft place: microtopography of the locomotor substrate and the morphology of the setal fields of <i>Namibian day geckos</i> (Gekkota: Gekkonidae: <i>Tj ETQq1 1 0 0 784314 rgBT /Overl</i>	1.2	11
34	Density and distribution of cutaneous sensilla on tails of leopard geckos ( <i>Eublepharis</i> ) <i>Tj ETQq0 0 0 rgBT /Overlap 10 Tf 50 142 Td (</i>	1.2	11
35	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
36	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

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37	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
38	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
39	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
40	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
41	Integrative Biology of Tail Autotomy in Lizards. <i>Physiological and Biochemical Zoology</i> , 2013, 86, 603-610.	1.5	47
42	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
43	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
44	Repeated Origin and Loss of Adhesive Toepads in Geckos. <i>PLoS ONE</i> , 2012, 7, e39429.	2.5	215
45	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
46	Divergence in locomotor performance, ecology, and morphology between two sympatric sister species of desert-dwelling gecko. <i>Biological Journal of the Linnean Society</i> , 2010, 101, 860-869.	1.6	45
47	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
48	Earliest North American occurrence of Polycotyliidae (Sauropterygia: Plesiosauria) from the Lower Cretaceous (Albian) Clearwater Formation, Alberta, Canada. <i>Journal of Paleontology</i> , 2009, 83, 981-989.	0.8	20
49	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
50	Morphology and Histology of the Tongue and Oral Chamber of <i>Eublepharis macularius</i> (Squamata). <i>Evolutionary Biology</i> , 2009, 36, 397-406.	1.1	16
51	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
52	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
53	Configuration of the setal fields of <i>Rhoptropus</i> (Gekkota: Gekkonidae): functional, evolutionary, ecological and phylogenetic implications of observed pattern. <i>Journal of Anatomy</i> , 2009, 214, 937-955.	1.5	49
54	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

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55	A new angle on clinging in geckos: incline, not substrate, triggers the deployment of the adhesive system. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 3705-3709.	2.6	80
56	Surface Characteristics of Locomotor Substrata and Their Relationship to Gekkonid Adhesion: A Case Study of <i>Rhoptropus cf biporosus</i> . , 2009, , 123-154.		7
57	The Gecko Effect: Design Principles of the Gekkotan Adhesive System Across Scales of Organization. , 2009, , 103-132.		3
58	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
59	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
60	Differential segmental growth of the vertebral column of the rat ( <i>Rattus norvegicus</i> ). <i>Zoology</i> , 2006, 109, 54-65.	1.2	20
61	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
62	MODULATED BUT CONSERVED SEGMENTAL GROWTH OF THE ORIGINAL TAIL IN <i>CALLISAURUS DRACONOIDES</i> (PHRYNOSOMATIDAE) AND <i>CALOTES VERSICOLOR</i> (AGAMIDAE). <i>Herpetologica</i> , 2004, 60, 62-74.	0.4	8
63	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
64	Vertebrate microsite sampling: How much is enough?. <i>Journal of Vertebrate Paleontology</i> , 2003, 23, 725-734.	1.0	31
65	Integrative Functional Morphology of the Gekkotan Adhesive System (Reptilia: Gekkota). <i>Integrative and Comparative Biology</i> , 2002, 42, 1154-1163.	2.0	169
66	The Tyrannosaurid metatarsus: Bone strain and inferred ligament function. <i>Senckenbergiana Lethaea</i> , 2002, 82, 35-42.	0.3	30
67	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
68	<i>Terminonaris</i> (Archosauria: Crocodyliformes): new material from Saskatchewan, Canada, and comments on its phylogenetic relationships. <i>Journal of Vertebrate Paleontology</i> , 2001, 21, 492-514.	1.0	89
69	Redescription of <i>Turfanosuchus dabanensis</i> (Archosauriformes) and new information on its phylogenetic relationships. <i>Journal of Vertebrate Paleontology</i> , 2001, 21, 40-50.	1.0	47
70	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
71	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
72	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

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73	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
74	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
75	Laryngotracheal morphology of Afro-Madagascan Geckos: A comparative survey. <i>Journal of Morphology</i> , 2000, 245, 241-268.	1.2	36
76	Laryngotracheal morphology of Afro-Madagascan Geckos: A comparative survey. , 2000, 245, 241.		1
77	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
78	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
79	Claw retraction and protraction in the carnivora: Skeletal microvariation in the phalanges of the Felidae. , 1996, 229, 289-308.		32
80	The aponeuroses of the lacertilian ankle. <i>Journal of Morphology</i> , 1993, 218, 65-84.	1.2	23
81	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	98
82	Skin mechanics and morphology of the gecko <i>Teratoscincus scincus</i> . <i>Amphibia - Reptilia</i> , 1993, 14, 321-331.	0.5	3
83	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
84	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
85	Vocalizations of the New Caledonian giant gecko, <i>Rhacodactylus leachianus</i> . <i>Amphibia - Reptilia</i> , 1992, 13, 412-417.	0.5	5
86	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
87	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
88	Pedal specialisations in dune-dwelling geckos. <i>Journal of Arid Environments</i> , 1991, 20, 43-62.	2.4	25
89	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
90	Supraorbital ossifications in geckos (Reptilia: Gekkonidae). <i>Canadian Journal of Zoology</i> , 1989, 67, 678-684.	1.0	25

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91	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
92	Paraphalangeal elements of gekkonid lizards: A comparative survey. <i>Journal of Morphology</i> , 1988, 197, 221-240.	1.2	53
93	Morphology of gekkonid cutaneous sensilla, with comments on function and phylogeny in the Carphodactylini (Reptilia: Gekkonidae). <i>Canadian Journal of Zoology</i> , 1988, 66, 1583-1588.	1.0	29
94	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
95	A Technique for Visualization of the Circulatory System in Small Lizards. <i>Copeia</i> , 1988, 1988, 797.	1.3	4
96	The morphological basis of weight-bearing in the scensors of the tokay gecko (Reptilia: Sauria). <i>Canadian Journal of Zoology</i> , 1986, 64, 948-955.	1.0	98
97	<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
98	Descriptive and functional anatomy of the digital vascular system of the tokay, <i>Gekko gecko</i> . <i>Journal of Morphology</i> , 1981, 169, 293-323.	1.2	60
99	Arteries of the antebrachium and manus of the tokay ( <i>Gekko gecko</i> ) (Reptilia: Gekkonidae). <i>Canadian Journal of Zoology</i> , 1981, 59, 573-582.	1.0	8
100	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
101	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
102	Parallelism and Integrated Design in the Foot Structure of Gekkonine and Diplodactyline Geckos. <i>Copeia</i> , 1979, 1979, 1.	1.3	93
103	Comments concerning postcloacal bones in geckos (Reptilia: Gekkonidae). <i>Canadian Journal of Zoology</i> , 1977, 55, 1201-1205.	1.0	4
104	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
105	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
106	A contribution to the functional analysis of the foot of the Tokay, <i>Gekko gecko</i> (Reptilia: Tj ETQq0 0 0 rgBT /Qverlock_10 Tf 50 1.	1.7	246