

Kornelius Kupczik

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,507
citations

304368

22
h-index

344852

36
g-index

59
all docs

59
docs citations

59
times ranked

1501
citing authors

#	ARTICLE	IF	CITATIONS
1	Botulinum toxin injection in masseter muscle evokes musculoskeletal impairment of the masticatory system. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
2	Movement analysis of primate molar teeth under load using synchrotron X-ray microtomography. <i>Journal of Structural Biology</i> , 2021, 213, 107658.	1.3	7
3	The effect of high wear diets on the relative pulp volume of the lower molars. <i>American Journal of Physical Anthropology</i> , 2021, 174, 804-811.	2.1	3
4	Dental wear patterns reveal dietary ecology and season of death in a historical chimpanzee population. <i>PLoS ONE</i> , 2021, 16, e0251309.	1.1	6
5	The representativeness of the dental calculus dietary record: insights from Ta ¹³⁷ chimpanzee faecal phytoliths. <i>Archaeological and Anthropological Sciences</i> , 2021, 13, 1.	0.7	3
6	Quantifying maxillary development in chimpanzees and humans: An analysis of prognathism and orthognathism at the morphological and microscopic scales. <i>Journal of Human Evolution</i> , 2021, 157, 103031.	1.3	0
7	Molar biomechanical function in South African hominins <i>Australopithecus africanus</i> and <i>Paranthropus robustus</i> . <i>Interface Focus</i> , 2021, 11, 20200085.	1.5	5
8	Elevated activity levels do not influence extrinsic fiber attachment morphology on the surface of muscle attachment sites. <i>Journal of Anatomy</i> , 2020, 236, 827-839.	0.9	8
9	Reply to Scott et al: A closer look at the 3-rooted lower second molar of an archaic human from Xiahe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 39-40.	3.3	5
10	Intraspecific variability in human maxillary bone modeling patterns during ontogeny. <i>American Journal of Physical Anthropology</i> , 2020, 173, 655-670.	2.1	3
11	The Middle Pleistocene hominin mandible from Payre (Ardèche, France). <i>Journal of Human Evolution</i> , 2020, 144, 102775.	1.3	10
12	Muscle-Bone Crosstalk in the Masticatory System: From Biomechanical to Molecular Interactions. <i>Frontiers in Endocrinology</i> , 2020, 11, 606947.	1.5	28
13	Masseter muscle atrophy impairs bone quality of the mandibular condyle but not the alveolar process early after induction. <i>Journal of Oral Rehabilitation</i> , 2019, 46, 233-241.	1.3	20
14	Unexpected hard object feeding in Western lowland gorillas. <i>American Journal of Physical Anthropology</i> , 2019, 170, 433-438.	2.1	19
15	Ontogenetic Dietary Shifts and Microscopic Tooth Wear in Western Chimpanzees. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	12
16	Effects of cropping, smoothing, triangle count, and mesh resolution on 6 dental topographic metrics. <i>PLoS ONE</i> , 2019, 14, e0216229.	1.1	26
17	Ontogeny of the human maxilla: a study of intra-population variability combining surface bone histology and geometric morphometrics. <i>Journal of Anatomy</i> , 2019, 235, 233-245.	0.9	8
18	Ambient occlusion and PCV (portion de ciel visible): A new dental topographic metric and proxy of morphological wear resistance. <i>PLoS ONE</i> , 2019, 14, e0215436.	1.1	24

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19	Dust affects chewing efficiency and tooth wear in forest dwelling Western chimpanzees (<sc><i>Pan</i>). <i>Tj ETQq1</i> 1,0,784314,rgBT /Ome	2.1	45
20	Mandibular molar root and pulp cavity morphology in <i>Homo naledi</i> and other Plio-Pleistocene hominins. <i>Journal of Human Evolution</i> , 2019, 130, 83-95.	1.3	27
21	Mandibular Bone Loss after Masticatory Muscles Intervention with Botulinum Toxin: An Approach from Basic Research to Clinical Findings. <i>Toxins</i> , 2019, 11, 84.	1.5	35
22	A three-dimensional analysis of tooth-root morphology in living bears and implications for feeding behaviour in the extinct cave bear. <i>Historical Biology</i> , 2019, 31, 461-473.	0.7	13
23	Dental topography and the diet of <i>Homo naledi</i> . <i>Journal of Human Evolution</i> , 2018, 118, 14-26.	1.3	43
24	<sc>N</sc>onâ€œ<sc>D</sc>estructive <sc>D</sc>etermination of <sc>M</sc>uscle <sc>A</sc>rchitectural <sc>V</sc>ariables <sc>T</sc>hrough the <sc>U</sc>se of <sc>D</sc>ice<sc>CT</sc>. <i>Anatomical Record</i> , 2018, 301, 363-377.	0.8	38
25	Early molecular response and microanatomical changes in the masseter muscle and mandibular head after botulinum toxin intervention in adult mice. <i>Annals of Anatomy</i> , 2018, 216, 112-119.	1.0	23
26	Mineral Deposits in <i>Ficus</i> Leaves: Morphologies and Locations in Relation to Function. <i>Plant Physiology</i> , 2018, 176, 1751-1763.	2.3	34
27	Ontogenetic changes to muscle architectural properties within the jawâ€œadductor musculature of <i>Macaca fascicularis</i>. <i>American Journal of Physical Anthropology</i> , 2018, 167, 291-310.	2.1	30
28	On the relationship between maxillary molar root shape and jaw kinematics in <i>Australopithecus africanus</i> and <i>Paranthropus robustus</i>. <i>Royal Society Open Science</i> , 2018, 5, 180825.	1.1	12
29	Food mechanical properties and isotopic signatures in forest versus savannah dwelling eastern chimpanzees. <i>Communications Biology</i> , 2018, 1, 109.	2.0	14
30	Patterns of integration in the canine skull: an inside view into the relationship of the skull modules of domestic dogs and wolves. <i>Zoology</i> , 2017, 125, 1-9.	0.6	28
31	Can skull form predict the shape of the temporomandibular joint? A study using geometric morphometrics on the skulls of wolves and domestic dogs. <i>Annals of Anatomy</i> , 2017, 214, 53-62.	1.0	12
32	The dental phenotype of hairless dogs with FOXI3 haploinsufficiency. <i>Scientific Reports</i> , 2017, 7, 5459.	1.6	22
33	Congenital muscle dystrophy and diet consistency affect mouse skull shape differently. <i>Journal of Anatomy</i> , 2017, 231, 736-748.	0.9	19
34	A dental perspective on the taxonomic affinity of the Balanica mandible (BH-1). <i>Journal of Human Evolution</i> , 2016, 93, 63-81.	1.3	41
35	Dynamic Modelling of Tooth Deformation Using Occlusal Kinematics and Finite Element Analysis. <i>PLoS ONE</i> , 2016, 11, e0152663.	1.1	53
36	Reconstruction of muscle fascicle architecture from iodine-enhanced microCT images: A combined texture mapping and streamline approach. <i>Journal of Theoretical Biology</i> , 2015, 382, 34-43.	0.8	40

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37	The Adaptive Significance of Enamel Loss in the Mandibular Incisors of Cercopithecine Primates (Mammalia: Cercopithecidae): A Finite Element Modelling Study. PLoS ONE, 2014, 9, e97677.	1.1	11
38	Anterior tooth root morphology and size in Neanderthals: Taxonomic and functional implications. Journal of Human Evolution, 2013, 64, 169-193.	1.3	54
39	Tooth Root Morphology in the Early Pliocene African Bear <i>Agriotherium africanum</i> (Mammalia). Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 20, 227-237.	1.0	8
40	Long anterior mandibular tooth roots in Neanderthals are not the result of their large jaws. Journal of Human Evolution, 2012, 63, 667-681.	1.3	27
41	Tooth root morphology as an indicator for dietary specialization in carnivores (Mammalia). Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 18	0.7	18
42	Enamel thickness in Bornean and Sumatran orangutan dentitions. American Journal of Physical Anthropology, 2012, 147, 417-426.	2.1	40
43	Structure-function relations of primate lower incisors: a study of the deformation of <i>Macaca mulatta</i> dentition using electronic speckle pattern interferometry (ESPI). Journal of Anatomy, 2011, 218, 87-95.	0.9	12
44	The mechanical function of the periodontal ligament in the macaque mandible: a validation and sensitivity study using finite element analysis. Journal of Anatomy, 2011, 218, 75-86.	0.9	49
45	New primate remains from Mwenirondo, Chiwondo Beds in northern Malawi. Journal of Human Evolution, 2011, 61, 617-623.	1.3	17
46	Mandibular molar root morphology in Neanderthals and Late Pleistocene and recent <i>Homo sapiens</i> . Journal of Human Evolution, 2010, 59, 525-541.	1.3	105
47	Brief communication: Contributions of enamel-dentine junction shape and enamel deposition to primate molar crown complexity. American Journal of Physical Anthropology, 2010, 142, 157-163.	2.1	63
48	Molar Crown and Root Size Relationship in Anthropoid Primates. Frontiers of Oral Biology, 2009, 13, 16-22.	1.5	15
49	Predicting Skull Loading: Applying Multibody Dynamics Analysis to a Macaque Skull. Anatomical Record, 2008, 291, 491-501.	0.8	63
50	Comparative observations on the tooth root morphology of <i>Gigantopithecus blacki</i> . Journal of Human Evolution, 2008, 54, 196-204.	1.3	67
51	Virtual biomechanics: basic concepts and technical aspects of finite element analysis in vertebrate morphology. Journal of Anthropological Sciences, 2008, 86, 193-8.	0.4	12
52	Assessing mechanical function of the zygomatic region in macaques: validation and sensitivity testing of finite element models. Journal of Anatomy, 2007, 210, 41-53.	0.9	132
53	Shaping the human face. International Congress Series, 2006, 1296, 55-73.	0.2	33
54	Virtual study of the endocranial morphology of the matrix-filled cranium from Eliye Springs, Kenya. , 2004, 276A, 113-133.		33

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55	Pathological alterations in the archaicHomo sapienscranium from Eliye Springs, Kenya. American Journal of Physical Anthropology, 2003, 120, 200-204.	2.1	30
56	Primate body mass and dietary correlates of tooth root surface area. American Journal of Biological Anthropology, 0, , .	0.6	0