Emiliano Bruner

List of Publications by Year
in descending order

120	3,561	147726	168321
papers	citations	31 h-index	53 g-index

121	121	121	2399
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Encephalization and allometric trajectories in the genus Homo: Evidence from the Neandertal and modern lineages. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15335-15340.	3.3	273
2	Geometric morphometrics and paleoneurology: brain shape evolution in the genus Homo. Journal of Human Evolution, 2004, 47, 279-303.	1.3	263
3	The cerebellum in Alzheimerâ€™s disease: evaluating its role in cognitive decline. Brain, 2018, 141, 37-47.	3.7	222
4	Evidence for expansion of the precuneus in human evolution. Brain Structure and Function, 2017, 222, 1053-1060.	1.2	131
5	A bivariate approach to the widening of the frontal lobes in the genus Homo. Journal of Human Evolution, 2010, 58, 138-146.	1.3	107
6	Morphological Differences in the Parietal Lobes within the Human Genus. Current Anthropology, 2010, 51, S77-S88.	0.8	103
7	Extending mind, visuospatial integration, and the evolution of the parietal lobes in the human genus. Quaternary International, 2016, 405, 98-110.	0.7	80
8	Alzheimer's Disease: The Downside of a Highly Evolved Parietal Lobe?. Journal of Alzheimer's Disease, 2013, 35, 227-240.	1.2	70
9	Functional craniology and brain evolution: from paleontology to biomedicine. Frontiers in Neuroanatomy, 2014, 8, 19.	0.9	69
10	A quantitative and descriptive approach to morphological variation of the endocranial base in modern humans. American Journal of Physical Anthropology, 2008, 137, 30-40.	2.1	66
11	Cranial shape and size variation in human evolution: structural and functional perspectives. Child's Nervous System, 2007, 23, 1357-1365.	0.6	59
12	Human Paleoneurology and the Evolution of the Parietal Cortex. Brain, Behavior and Evolution, 2018, 91, 136-147.	0.9	56
13	Male-biased predation of western green lizards by Eurasian kestrels. Die Naturwissenschaften, 2007, 94, 1015-1020.	0.6	54
14	Human midsagittal brain shape variation: patterns, allometry and integration. Journal of Anatomy, 2010, 216, 589-599.	0.9	54
15	The middle meningeal artery: from clinics to fossils. Child's Nervous System, 2008, 24, 1289-1298.	0.6	53
16	CT-based description and phyletic evaluation of the archaic human calvarium from Ceprano, Italy. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2005, 285A, 643-657.	2.0	52
17	A Bivariate Approach to the Variation of the Parietal Curvature in the Genus Homo. Anatomical Record, 2011, 294, 1548-1556.	0.8	49
18	Midsagittal brain variation and <scp>MRI</scp> shape analysis of the precuneus in adult individuals. Journal of Anatomy, 2014, 224, 367-376.	0.9	48

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19	Cranial sutures: a multidisciplinary review. Child's Nervous System, 2013, 29, 893-905.	0.6	46
20	A Middle Pleistocene Homo from Nesher Ramla, Israel. Science, 2021, 372, 1424-1428.	6.0	46
21	Neurocranial evolution in modern humans: the case of Jebel Irhoud 1. Anthropological Science, 2013, 121, 31-41.	0.2	43
22	Paleoneurology of an â€œearlyâ€•Neandertal: endocranial size, shape, and features of Saccopastore 1. Journal of Human Evolution, 2008, 54, 729-742.	1.3	42
23	The evolution of the meningeal vascular system in the human genus: From brain shape to thermoregulation. American Journal of Human Biology, 2011, 23, 35-43.	0.8	42
24	Evolving Human Brains: Paleoneurology and the Fate of Middle Pleistocene. Journal of Archaeological Method and Theory, 2021, 28, 76-94.	1.4	41
25	Morphological variation and sexual dimorphism of the cephalic scales in Lacerta bilineata. Acta Zoologica, 2005, 86, 245-254.	0.6	37
26	Skull base embryology: a multidisciplinary review. Child's Nervous System, 2014, 30, 991-1000.	0.6	37
27	Diploic vessels and computed tomography: Segmentation and comparison in modern humans and fossil hominids. American Journal of Physical Anthropology, 2016, 159, 313-324.	2.1	36
28	The one-million-year-old Homo cranium from Bouri (Ethiopia): a reconsideration of its H. erectus affinities. Journal of Human Evolution, 2003, 44, 731-736.	1.3	35
29	Landmark-based shape analysis of the archaicHomo calvarium from Ceprano (Italy). American Journal of Physical Anthropology, 2007, 132, 355-366.	2.1	35
30	The brain and the braincase: a spatial analysis on theÂmidsagittal profile in adult humans. Journal of Anatomy, 2015, 227, 268-276.	0.9	35
31	Genderâ€based differences in the shape of the human corpus callosum are associated with allometric variations. Journal of Anatomy, 2012, 220, 417-421.	0.9	32
32	Cortical surface area and cortical thickness in the precuneus of adult humans. Neuroscience, 2015, 286, 345-352.	1.1	32
33	Language, Paleoneurology, and the Fronto-Parietal System. Frontiers in Human Neuroscience, 2017, 11, 349.	1.0	32
34	A morphometric comparison of the parietal lobe in modern humans and Neanderthals. Journal of Human Evolution, 2020, 142, 102770.	1.3	32
35	Midsagittal cranial shape variation in the genus Homo by geometric morphometrics. Collegium Antropologicum, 2004, 28, 99-112.	0.1	32
36	Fractal dimension of the middle meningeal vessels: variation and evolution in Homo erectus , Neanderthals, and modern humans. European Journal of Morphology, 2006, 42, 217-224.	1.4	30

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37	Extended mind and visuo-spatial integration: three hands for the Neandertal lineage. Journal of Anthropological Sciences, 2014, 92, 273-80.	0.4	30
38	An unusually-wide human bregmatic Wormian bone: anatomy, tomographic description, and possible significance. Surgical and Radiologic Anatomy, 2008, 30, 683-687.	0.6	29
39	Functional Craniology and Brain Evolution. Springer Series in Bio-/neuroinformatics, 2015, , 57-94.	0.1	29
40	Landmarkâ€Based Analysis of the Morphological Relationship Between Endocranial Shape and Traces of the Middle Meningeal Vessels. Anatomical Record, 2009, 292, 518-527.	0.8	28
41	Computer-assisted and fractal-based morphometric assessment of microvascularity in histological specimens of gliomas. Scientific Reports, 2012, 2, 429.	1.6	28
42	A paleoneurological survey of Homo erectus endocranial metrics. Quaternary International, 2015, 368, 80-87.	0.7	28
43	Morphometric analysis of molars in a <scp>M</scp>iddle <scp>P</scp>leistocene population shows a mosaic of â€˜modernâ€™ and <scp>N</scp>eanderthal features. Journal of Anatomy, 2013, 223, 353-363.	0.9	27
44	The parietal lobe evolution and the emergence of material culture in the human genus. Brain Structure and Function, 2023, 228, 145-167.	1.2	27
45	Quantifying patterns of endocranial heat distribution: Brain geometry and thermoregulation. American Journal of Human Biology, 2012, 24, 753-762.	0.8	26
46	Geometric variation of the frontal squama in the genus homo: Frontal bulging and the origin of modern human morphology. American Journal of Physical Anthropology, 2013, 150, 313-323.	2.1	26
47	The endocranial anatomy of maba 1. American Journal of Physical Anthropology, 2016, 160, 633-643.	2.1	26
48	Parietal Bone Thickness and Vascular Diameters in Adult Modern Humans: A Survey on Cranial Remains. Anatomical Record, 2016, 299, 888-896.	0.8	26
49	Cognitive archeology, body cognition, and handâ€“tool interaction. Progress in Brain Research, 2018, 238, 325-345.	0.9	26
50	Body Cognition and Self-Domestication in Human Evolution. Frontiers in Psychology, 2019, 10, 1111.	1.1	26
51	Midsagittal brain shape correlation with intelligence and cognitive performance. Intelligence, 2011, 39, 141-147.	1.6	25
52	Analysis of the volumetric relationship among human ocular, orbital and frontoâ€occipital cortical morphology. Journal of Anatomy, 2015, 227, 460-473.	0.9	25
53	Sulcal pattern, extension, and morphology of the precuneus in adult humans. Annals of Anatomy, 2016, 208, 85-93.	1.0	24
54	Precuneus proportions and cortical folding: A morphometric evaluation on a racially diverse human sample. Annals of Anatomy, 2017, 211, 120-128.	1.0	24

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55	Human paleoneurology: Shaping cortical evolution in fossil hominids. Journal of Comparative Neurology, 2019, 527, 1753-1765.	0.9	23
56	Quantitative assessment of interproximal wear facet outlines for the association of isolated molars. American Journal of Physical Anthropology, 2011, 144, 309-316.	2.1	22
57	The Relationship Between Cephalic Scales and Bones in Lizards: A Preliminary Microtomographic Survey on Three Lacertid Species. Anatomical Record, 2010, 293, 183-194.	0.8	21
58	Head morphological variation in Podarcis muralis and Podarcis sicula: a landmark-based approach. Amphibia - Reptilia, 2007, 28, 566-573.	0.1	19
59	A frontal lobe surface analysis in three archaic African human fossils: OH 9, Buia, and Bodo. Comptes Rendus - Palevol, 2017, 16, 499-507.	0.1	19
60	Shape analysis of spatial relationships between orbitoâ€ocular and endocranial structures in modern humans and fossil hominids. Journal of Anatomy, 2017, 231, 947-960.	0.9	19
61	The endocast of the oneâ€millionâ€yearâ€old human cranium from Buia (UA 31), Danakil Eritrea. American Journal of Physical Anthropology, 2016, 160, 458-468.	2.1	18
62	Shape and size variation: Growth and development of the dusky grouper (Epinephelus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td	0.6	17
63	Correlation between corpus callosum shape and cognitive performance in healthy young adults. Brain Structure and Function, 2013, 218, 721-731.	1.2	17
64	Visuospatial Integration: Paleoanthropological and Archaeological Perspectives. Interdisciplinary Evolution Research, 2018, , 299-326.	0.2	17
65	Digital Tools for the Preservation of the Human Fossil Heritage: Ceprano, Saccopastore, and Other Case Studies. Human Evolution, 2006, 21, 33-44.	2.0	15
66	A Sensitivity Analysis to the Role of the Frontoâ€Parietal Suture in Lacerta Bilineata: A Preliminary Finite Element Study. Anatomical Record, 2013, 296, 198-209.	0.8	15
67	Patterns of morphological integration between parietal and temporal areas in the human skull. Journal of Morphology, 2017, 278, 1312-1320.	0.6	15
68	Electrodermal activity during Lower Paleolithic stone tool handling. American Journal of Human Biology, 2019, 31, e23279.	0.8	15
69	Visual Attention and Cognitive Archaeology: An Eye-Tracking Study of Palaeolithic Stone Tools. Perception, 2022, 51, 3-24.	0.5	15
70	Visuospatial Integration and Hand-Tool Interaction in Cognitive Archaeology. Current Topics in Behavioral Neurosciences, 2018, 41, 13-36.	0.8	14
71	Visual attention reveals affordances during Lower Palaeolithic stone tool exploration. Archaeological and Anthropological Sciences, 2021, 13, 1.	0.7	14
72	Functional Craniology, Human Evolution, and Anatomical Constraints in the Neanderthal Braincase. , 2014, , 121-129.		14

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73	Morphological Variation in the Seahorse Vertebral System. International Journal of Morphology, 2008, 26, .	0.1	13
74	The Species Concept as a Cognitive Tool for Biological Anthropology. American Journal of Primatology, 2013, 75, 10-15.	0.8	13
75	Midsagittal Brain Variation among Non-Human Primates: Insights into Evolutionary Expansion of the Human Precuneus. Brain, Behavior and Evolution, 2017, 90, 255-263.	0.9	13
76	A network approach to brain form, cortical topology and human evolution. Brain Structure and Function, 2019, 224, 2231-2245.	1.2	13
77	Variability in facial size and shape among North and East African human populations. Italian Journal of Zoology, 2004, 71, 51-56.	0.6	12
78	Hand morphometrics, electrodermal activity, and stone tools haptic perception. American Journal of Human Biology, 2020, 32, e23370.	0.8	12
79	Normal craniovascular variation in two modern European adult populations. Journal of Anatomy, 2019, 235, 765-782.	0.9	11
80	Craniovascular traits in anthropology and evolution: from bones to vessels. Journal of Anthropological Sciences, 2017, 95, 35-65.	0.4	11
81	Fractal analysis of the egg shell ornamentation in anostracans cysts: a quantitative approach to the morphological variations in Chirocephalus ruffoi. Hydrobiologia, 2013, 705, 1-8.	1.0	10
82	A human parietal fragment from the late Early Pleistocene Gran Dolina-TD6 cave site, Sierra de Atapuerca, Spain. Comptes Rendus - Palevol, 2017, 16, 71-81.	0.1	10
83	The Endocranial Vascular System: Tracing Vessels. , 2018, , 71-91.		10
84	A preliminary survey on hand grip and hand-tool morphometrics in three different stone tools. Journal of Archaeological Science: Reports, 2019, 23, 567-573.	0.2	10
85	Head Morphology and Degree of Variation in Lacerta bilineata, Podarcis muralis and Podarcis sicula. International Journal of Morphology, 2009, 27, .	0.1	9
86	Landmarking Endocasts. , 2018, , 127-142.		9
87	Hand grasping and finger flexion during Lower Paleolithic stone tool ergonomic exploration. Archaeological and Anthropological Sciences, 2020, 12, 1.	0.7	9
88	Ontogenetic changes of diploic channels in modern humans. American Journal of Physical Anthropology, 2020, 173, 96-111.	2.1	9
89	Three hands: one year later. Journal of Anthropological Sciences, 2015, 93, 163-95.	0.4	9
90	Can a Neandertal meditate? An evolutionary view of attention as a core component of general intelligence. Intelligence, 2022, 93, 101668.	1.6	9

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91	The Evolution of the Parietal Lobes in the Genus Homo. , 2018, , 219-237.		8
92	Visuospatial integration and human evolution: the fossil evidence. Journal of Anthropological Sciences, 2016, 94, 81-97.	0.4	8
93	Networking Brains: Modeling Spatial Relationships of the Cerebral Cortex. , 2018, , 191-204.		7
94	Is the middle cranial fossa a reliable predictor of temporal lobe volume in extant and fossil anthropoids?. American Journal of Physical Anthropology, 2020, 172, 698-713.	2.1	6
95	Surfinâ€™ endocasts: The good and the bad on brain form. Palaeontologia Electronica, 0, , 1-10.	0.9	6
96	A network approach to the topological organization of the Brodmann map. Anatomical Record, 2022, 305, 3504-3515.	0.8	6
97	Comparing Endocranial Surfaces: Mesh Superimposition and Coherent Point Drift Registration. , 2018, , 143-151.		5
98	Reconstruction and analysis of the DAN5/P1 and BSN12/P1 Gona Early Pleistocene Homo fossils. Journal of Human Evolution, 2022, 162, 103102.	1.3	5
99	Cranial shape variation in adult howler monkeys (Alouatta seniculus). American Journal of Primatology, 2018, 80, e22729.	0.8	4
100	Craniofacial orientation and parietal bone morphology in adult modern humans. Journal of Anatomy, 2022, 240, 330-338.	0.9	4
101	Open data, Science and Society: launching Oasis, the flagship initiative of the Istituto Italiano di Antropologia. Journal of Anthropological Sciences, 2014, 92, I-IV.	0.4	4
102	Parietal lobe variation in cercopithecid endocasts. American Journal of Primatology, 2019, 81, e23025.	0.8	3
103	A metric survey on the sagittal and coronal morphology of the precuneus in adult humans. Brain Structure and Function, 2020, 225, 2747-2755.	1.2	3
104	Not a matter of shape: The influence of tool characteristics on electrodermal activity in response to haptic exploration of Lower Palaeolithic tools. American Journal of Human Biology, 2021, , e23612.	0.8	3
105	Craniovascular traits and braincase morphology in craniosynostotic human skulls. Journal of Anatomy, 2021, 239, 1050-1065.	0.9	3
106	Temporal lobe evolution in Javanese Homo erectus and African Homo ergaster: Inferences from the cranial base. Quaternary International, 2021, 603, 5-21.	0.7	3
107	The skull from Florisbad: a paleoneurological report. Journal of Anthropological Sciences, 2020, 98, .	0.4	3
108	Does knowledge influence visual attention? A comparative analysis between archaeologists and naÃ¯ve subjects during the exploration of Lower Palaeolithic tools. Archaeological and Anthropological Sciences, 2022, 14, .	0.7	3

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109	Cranial vault thickness measurement and distribution: a study with a magnetic calliper. Anthropological Science, 2019, 127, 47-54.	0.2	2
110	Language and hybrids: too many answers for too few questions. Journal of Anthropological Sciences, 2013, 91, 245-7.	0.4	2
111	Digital morphology: modelling anatomy and evolution. Journal of Anthropological Sciences, 2008, 86, 3-5.	0.4	2
112	The Neanderthal endocast from GÃ¡novce (Poprad, Slovak Republic). Journal of Anthropological Sciences, 2019, 96, 139-149.	0.4	1
113	The Influence of Tool Morphology on Visual Attention During the Interaction with Lower Palaeolithic Stone Tools. Lithic Technology, 2022, 47, 328-339.	0.4	1
114	Craniovascular variation in four late Holocene human samples from southern South America. Anatomical Record, 0, , .	0.8	1
115	Do patients with hypospadias and cryptorchidism share a common phenotype? Caseâ€“control study of an Italian paediatric population. Journal of Pediatric Urology, 2007, 3, 477-479.	0.6	0
116	Tom Moore and XoseÃ©-Lois Armada, eds. Atlantic Europe in the First Millennium BC. Crossing the Divide (Oxford: Oxford University Press, 2011 690pp., 141 illustrations, hbk, ISBN 978-0-19-956795-9). European Journal of Archaeology, 2015, 18, 546-550.	0.3	0
117	Le lobe qui nous a rendus humains. , 2019, NÂ° 115, 20-25.		0
118	Sharing databases in the age of the digital anthropology: problems and perspectives. Journal of Anthropological Sciences, 2008, 86, 199.	0.4	0
119	Language: the elusive milestone. Journal of Anthropological Sciences, 2013, 91, 13-4.	0.4	0
120	The circle of GÃ¡novce: natural history of an endocast. Journal of Anthropological Sciences, 2019, 96, 135-138.	0.4	0