Research Article

BIOMEDICAL Journal of Scientific & Technical Research

ISSN: 2574 -1241

DOI: 10.26717/BJSTR.2019.22.003717

Appendix 1: The top 100 cited articles in Anatomy.

Rank	Article	TCited*	ACI**
1	Buckner RL, Andrews Hanna JR, Schacter DL (2008) The brain's default network: anatomy, function, and relevance to disease. Ann N Y Acad Sci 1124: 1-38.	4471	372.58
2	Maldjian JA, Laurienti PJ, Kraft RA, Burdette JH (2003) An automated method for neuroanatomic and cytoarchitectonic atlas-based interrogation of Fmrı data sets. Neuroimage 19(3): 1233-1239.	3407	200.41
3	Albin RL, Young AB, Penney JB (1989) The functional anatomy of basal ganglia disorders. Trends Neurosci 12(10): 366-375.	3355	108.23
4	Fischl B, Dale AM (2000) Measuring the thickness of the human cerebral cortex from magnetic resonance images. Proc Natl Acad Sci U S A 97(20): 11050-11055.	2677	133.85
5	Cavanna AE, Trimble MR (2006) The precuneus: a review of its functional anatomy and behavioural correlates. Brain 129(3): 564-583	2299	164.21
6	Paulesu E, Frith CD, Frackowiak RS (1993) The neural correlates of the verbal component of working memory. Nature 362(6418): 342-345.	1648	61.04
7	Parent A, Hazrati LN (1995) Functional anatomy of the basal ganglia. I. The cortico- basal ganglia-thalamo-cortical loop. Brain Res Brain Res Rev 20(1): 91-127.	1519	60.76
8	Yousry TA, Schmid UD, Alkadhi H, Schmidt D, Peraud A, et al. (1997) Localization of the motor hand area to a knob on the precentral gyrus - A new landmark. Brain 120(1): 141-157.	1159	50.39
9	Paus T (2001) Primate anterior cingulate cortex: Where motor control, drive and cognition interface. Nat Rev Neurosci 2(6): 417-424.	1090	57.37
10	Parent A, Hazrati LN (1995) Functional anatomy of the basal ganglia. II. The place of subthalamic nucleus and external pallidum in basal ganglia circuitry. Brain Res Brain Res Rev 20(1): 128-154.	976	39.04
11	Catani M, Howard RJ, Pajevic S, Jones DK (2002) Virtual in vivo interactive dissection of white matter fasciculi in the human brain. Neuroimage 17(1): 77-94.	946	52.56
12	Price CJ (2000) The anatomy of language: contributions from functional neuroimaging. J Anat 197(3): 335-359.	879	43.95
13	Amunts K, Schleicher A, Bürgel U, Mohlberg H, Uylings HB, et al. (1999) Broca's region revisited: cytoarchitecture and intersubject variability. J Comp Neurol 412(2): 319-341.	859	40.90
14	Sah P, Faber ES, Lopez De Armentia M, Power J (2003) The amygdaloid complex: anatomy and physiolog. Physiol Rev 83(3): 803-834.	848	49.88
15	Picard N, Strick PL (2001) Imaging the premotor areas. Curr Opin Neurobiol 11(6): 663-672.	839	44.16
16	Giedd, JN (2004) Structural magnetic resonance imaging of the adolescent brain. Ann N Y Acad Sci 1021: 77-85.	823	51.44
17	Oades RD, Halliday GM (1987) Ventral tegmental (A10) system: neurobiology. 1. Anatomy and connectivity. Brain Res 434(2): 117-165.	758	22.97
18	McDonald AJ (1998) Cortical pathways to the mammalian amygdala. Prog Neurobio 55(3): 257-332.	753	34.23
19	Gaser C, Schlaug G (2003) Brain structures differ between musicians and non-musicians. J Neurosci 23(27): 9240-9245.	746	43.88
20	Sporns O, Zwi JD (2004) The small world of the cerebral cortex. Neuroinformatics 2(2): 145-162.		
	721	45.06	
21	He Y, Chen ZJ, Evans AC (2007) Small-world anatomical networks in the human brain revealed by cortical thickness from MRI. Cereb Cortex 17(10): 2407-2419.	718	55.23
22	Casey BJ, Tottenham N, Liston C, Durston S (2005) Imaging the developing brain: what have we learned about cognitive development? Trends Cogn Sci 9(3): 104-110.	716	47.73
23	Ramnani N, Owen AM (2004) Anterior prefrontal cortex: Insights into function from anatomy and neuroimaging. Nat Rev Neurosci. 5(3): 184-194.	716	44.75
24	Destrieux C, Fischl B, Dale A, Halgren E (2010) Automatic parcellation of human cortical gyri and sulci using standard anatomical nomenclature. Neuroimage 53(1): 1-15.	685	68.50
25	Clarke B (2008) Normal bone anatomy and physiology. Clin J Am Soc Nephrol 3(3): 131-139.	557	46.42

26	Kurth F, Zilles K, Fox PT, Laird AR, Eickhoff SB, et al. (2010) A link between the systems: functional differentiation and integration within the human insula revealed by meta-analysis. Brain Struct Funct. 214(5-6): 519-534.	555	55.50
27	Falchier A, Clavagnier S, Barone P, Kennedy H (2002) Anatomical evidence of multimodal integration in primate striate cortex. J Neurosci 22(13): 5749-5759.	554	30.78
28	Kibler WB (1998) The role of the scapula in athletic shoulder function. Am J Sports Med 26(2): 325-337.	547	24.86
29	Catani M, Jones DK, Donato R, Ffytche DH (2003) Occipito-temporal connections in the human brain. Brain 126(9): 2093-2107.	538	31.65
30	Sacks HS, Fain JN (2007) Human epicardial adipose tissue: a review. Am Heart J 153(6): 907-917.	529	40.69
31	Hammers A, Allom R, Koepp MJ, Free SL, Myers R, et al. (2003) Three-dimensional maximum probability atlas of the human brain, with particular reference to the temporal lobe. Hum Brain Mapp 19(4): 224-247.	520	30.59
32	Izhikevich EM, Edelman GM (2008) Large-scale model of mammalian thalamocortical systems. Proc Natl Acad Sci U S A 105(9): 3593-3598.	512	42.67
33	Simon O, Mangin JF, Cohen L, Le Bihan D, Dehaene S, et al. (2002) Topographical layout of hand, eye, calculation, and language-related areas in the human parietal lobe. Neuron 33(3): 475-487.	512	28.44
34	Levy R, Dubois B (2006) Apathy and the functional anatomy of the prefrontal cortex-basal ganglia circuits. Cereb Cortex 16(7): 916-928.	510	36.43
35	Margulies DS, Vincent JL, Kelly C, Lohmann G, Uddin LQ,et al. (2009) Precuneus shares intrinsic functional architecture in humans and monkeys. Proc Natl Acad Sci U S A 106(47): 20069-20074.	500	45.45
36	Binkofski F, Buccino G, Posse S, Seitz RJ, Rizzolatti G, et al. (1999) A fronto-parietal circuit for object manipulation in man: evidence from an fMRI-study. Eur J Neurosci 11(9): 3276-3286.	496	23.62
37	Münte TF, Altenmüller E, Jäncke L (2002) The musician's brain as a model of neuroplasticity. Nat Rev Neurosci 3(6): 473-478.	484	26.89
38	Ramnani N (2006) The primate cortico-cerebellar system: anatomy and function. Nat Rev Neurosci 7(7): 511-522.	476	34.00
39	Vogt BA, Nimchinsky EA, Vogt LJ, Hof PR (1995) Human cingulate cortex: surface features, flat maps, and cytoarchitecture. J Comp Neurol 359(3): 490-506.	473	18.92
40	Bolger WE, Butzin CA, Parsons DS (1991) Paranasal sinus bony anatomic variations and mucosal abnormalities: CT analysis for endoscopic sinus surgery. Laryngoscope 101(1): 56-64.	473	16.31
41	Berthoud HR, Neuhuber WL (2000) Functional and chemical anatomy of the afferent vagal system. Auton Neurosci 85(1-3): 1-17.	467	23.35
42	Price CJ, Devlin JT (2003) The myth of the visual word form area. Neuroimage 19(3): 473-481.	460	27.06
43	Plenz D, Kital ST (1999) A basal ganglia pacemaker formed by the subthalamic nucleus and external globus pallidus. Nature 400(6745): 677-682.	456	21.71
44	Schmahmann JD, Doyon J, McDonald D, Holmes C, Lavoie K, et al. (1999) Three-dimensional MRI atlas of the human cerebellum in proportional stereotaxic space. Neuroimage 10(3): 233-260.	444	21.14
45	Schwab RJ, Gupta KB, Gefter WB, Metzger LJ, Hoffman EA, et al. (1995) Upper airway and soft tissue anatomy in normal subjects and patients with sleep-disordered breathing. Significance of the lateral pharyngeal walls. Am J Respir Crit Care Med 152(5): 1673-1689.	444	17.76
46	Palmer AK, Werner FW (1981) The triangular fibrocartilage complex of the wrist-anatomy and function. J Hand Surg Am 6(2): 153-162.	444	11.38
47	Badre D, D Esposito M (2009) Is the rostro-caudal axis of the frontal lobe hierarchical? Nat Rev Neurosci 10(9): 659-669.	443	40.27
48	Joshi S, Davis B, Jomier M, Gerig G (2004) Unbiased diffeomorphic atlas construction for computational anatomy. Neuroimage 23(1): 151-160.	435	27.19
49	Grefkes C, Fink GR (2005) The functional organization of the intraparietal sulcus in humans and monkeys. J Anat 207(1): 3-17.	422	28.13
50	Geyer S, Ledberg A, Schleicher A, Kinomura S, Schormann T,et al. (1996) Two different areas within the primary motor cortex of man. Nature 382(6594): 805-807.	416	17.33
51	Dodge JT , Brown BG, Bolson EL, Dodge HT (1992) Lumen diameter of normal human coronary arteries. Influence of age, sex, anatomic variation, and left ventricular hypertrophy or dilation. Circulation 86(1): 232-246.	414	14.79
52	Holland PC, Gallagher M (1999) Amygdala circuitry in attentional and representational processes. Trends Cogn Sci 3(2): 65-73.	412	19.62
53	Horwitz B, Rumsey JM, Donohue BC (1998) Functional connectivity of the angular gyrus in normal reading and dyslexia. Proc Natl Acad Sci U S A 95(15): 8939-8944.	399	18.14
54	Shibasaki H, Sadato N, Lyshkow H, Yonekura Y, Honda M, et al. (1993) Both primary motor cortex and supplementary motor area play an important role in complex finger movement Brain (116): 1387-1398.	399	14.78

55	Tatu L, Moulin T, Bogousslavsky J, Duvernoy H (1998) Arterial territories of the human brain: cerebral hemispheres. Neurology. 50(6): 1699-1708.	392	17.82
56	Mathes SJ, Nahai F (1981) Classification of the vascular anatomy of muscles: experimental and clinical correlation. Plast Reconstr Surg 67(2): 177-187.	392	10.05
57	Giedd JN (2008) The teen brain: Insights from neuroimaging. J Adolesc Health 42(4): 335-343.	386	32.17
58	Sutherland RJ (1982) The dorsal diencephalic conduction system: a review of the anatomy and functions of the habenular complex. Neurosci Biobehav Rev 6(1): 1-13.	386	10.16
59	Coffey CE, Wilkinson WE, Parashos IA, Soady SA, Sullivan RJ,et al. (1992) Quantitative cerebral anatomy of the aging human brain: a cross-sectional study using magnetic resonance imaging. Neurology 42(3): 527-536.	378	13.50
60	Gautier E, Ganz K, Krügel N, Gill T, Ganz R, et al. (2000) Anatomy of the medial femoral circumflex artery and its surgical implications. J Bone Joint Surg Br 82(5): 679-683.	375	18.75
61	Clark JM, Harryman DT (1992) Tendons, ligaments, and capsule of the rotator cuff. Gross and microscopic anatomy. J Bone Joint Surg Am 74(5): 713-725.	373	13.32
62	Wise RJ, Greene J, Büchel C, Scott SK (1999) Brain regions involved in articulation. Lancet 353(9158): 1057-1061.	369	17.57
63	Fink GR, Frackowiak RS, Pietrzyk U, Passingham RE (1997) Multiple nonprimary motor areas in the human cortex. J Neurophysiol 77(4): 2164-2174.	367	15.96
64	Rademacher J, Morosan P, Schormann T, Schleicher A, Werner C,et al. (2001) Probabilistic mapping and volume measurement of human primary auditory cortex. Neuroimage 13(4): 669-683.	365	19.21
65	Hiatt JR, Gabbay J, Busuttil RW (1994) Surgical anatomy of the hepatic arteries in 1000 cases. Ann Surg 220(1): 50-52.	365	14.04
66	McNeal JE (1981) The zonal anatomy of the prostate. Prostate 2(1): 35-49.	364	9.33
67	Voogd J, Glickstein M (1998) The anatomy of the cerebellum. Trends Cogn Sci 2(9): 307-313.	359	16.32
68	Van den Pol AN (1980) The hypothalamic suprachiasmatic nucleus of rat: intrinsic anatomy. J Comp Neurol 191(4): 661-702.	356	8.90
69	Akerström G, Malmaeus J, Bergström R (1984) Surgical anatomy of human parathyroid glands. Surgery 95(1): 14-21.	354	9.83
70	Amis AA, Firer P, Mountney J, Senavongse W, Thomas NP, et al.(2003) Anatomy and biomechanics of the medial patellofemoral ligament. Knee 10(3): 215-220.	352	20.71
71	Sakane M, Fox RJ, Woo SL, Livesay GA, Li G, et al. (1997) In situ forces in the anterior cruciate ligament and its bundles in response to anterior tibial loads. J Orthop Res 15(2): 285-293.	350	15.22
72	Claes S, Vereecke E, Maes M, Victor J, Verdonk P, et al. (2013) Anatomy of the anterolateral ligament of the knee. J Anat 223(4): 321-328.	349	49.86
73	Diedrichsen J (2006) A spatially unbiased atlas template of the human cerebellum. Neuroimage 33(1): 127-138.	348	24.86
74	O Brien SJ, Neves MC, Arnoczky SP, Rozbruck SR, Dicarlo EF, et al. (1990) The anatomy and histology of the inferior glenohumeral ligament complex of the shoulder. Am J Sports Med 18(5): 449-456.	348	11.60
75	Karama S, Lecours AR, Leroux JM, Bourgouin P, Beaudoin G, et al. (2002) Areas of brain activation in males and females during viewing of erotic film excerpts. Hum Brain Mapp 16(1): 1-13.	344	19.11
76	Sugand K, Abrahams P, Khurana A (2010) The anatomy of anatomy: a review for its modernization. Anat Sci Educ 3(2): 83-93.	339	33.90
77	Drake RL, McBride JM, Lachman N, Pawlina W (2009) Medical education in the anatomical sciences: the winds of change continue to blow. Anat Sci Educ 2(6): 253-259.	338	30.73
78	Armour JA, Murphy DA, Yuan BX, Macdonald S, Hopkins DA, et al. (1997) Gross and microscopic anatomy of the human intrinsic cardiac nervous system. Anat Rec 247(2): 289-298.	337	14.65
79	Gurney K, Prescott TJ, Redgrave P (2001) A computational model of action selection in the basal ganglia. I. A new functional anatomy. Biol Cybern 84(6): 401-410.	335	17.63
80	Pierrot Deseilligny C, Milea D, Müri RM (2004) Eye movement control by the cerebral cortex. Curr Opin Neurol 17(1): 17-25.	332	20.75
81	Lieb WE, Cohen SM, Merton DA, Shields JA, Mitchell DG, et al. (1991) Color Doppler imaging of the eye and orbit. Technique and normal vascular anatomy. Arch Ophthalmolm 109(4): 527-531.	332	11.45
82	Shapleske J, Rossell SL, Woodruff PW, David AS (1999) The planum temporale: a systematic, quantitative review of its structural, functional and clinical significance. Brain Res Brain Res Rev 29(1): 26-49.	331	15.76
83	Csernansky JG, Joshi S, Wang L, Haller JW, Gado M, et al. (1998) Hippocampal morphometry in schizophrenia by high dimensional brain mapping. Proc Natl Acad Sci U S A 95(19): 11406-11411.	328	14.91
84	Price CJ, Wise RJ, Warburton EA, Moore CJ, Howard D, et al. (1996) Hearing and saying. The functional neuro- anatomy of auditory word processing. Brain 119(3): 919-931.	326	13.58

85	Jueptner M, Weiller C (1998) A review of differences between basal ganglia and cerebellar control of movements as revealed by functional imaging studies. Brain 121(8): 1437-1449.	323	14.68
86	Moon HK, Taylor GI (1988) The vascular anatomy of rectus abdominis musculocutaneous flaps based on the deep superior epigastric system. Plast Reconstr Surg 82(5): 815-832.	320	10.00
87	Ghaem O, Mellet E, Crivello F, Tzourio N, Mazoyer B, et al. (1997) Mental navigation along memorized routes activates the hippocampus, precuneus, and insula. Neuroreport 8(3): 739-744.	319	13.87
88	Watkins KE, Paus T, Lerch JP, Zijdenbos A, Collins DL, et al. (2001) Structural asymmetries in the human brain: a voxel-based statistical analysis of 142 MRI scans. Cereb Cortex 11(9): 868-877.	318	16.74
89	LaPrade RF, Engebretsen AH, Ly TV, Johansen S, Wentorf FA, et al. (2007) The anatomy of the medial part of the knee. J Bone Joint Surg Am 89(9): 2000-2010.	313	24.08
90	Morey RA, Petty CM, Xu Y, Hayes JP, Wagner HR, et al. (2009) A comparison of automated segmentation and manual tracing for quantifying hippocampal and amygdala volumes. Neuroimage 45(3): 855-866 .		90
91	Rademacher J, Galaburda AM, Kennedy DN, Filipek PA, Caviness VS, et al. (1992) Human cerebral cortex: localization, parcellation, and morphometry with magnetic resonance imaging. J Cogn Neurosci 4(4): 352-374.		91
92	Christensen GE, Joshi SC, Miller MI (1997) Volumetric transformation of brain anatomy. IEEE Trans Med Imaging 16(6): 864-877.		92
93	Davies RJ, Stradling JR (1990) The relationship between neck circumference, radiographic pharyngeal anatomy, and the obstructive sleep apnoea syndrome. Eur Respir J 3(5): 509-514.	304	10.13
94	Bernasconi N, Bernasconi A, Caramanos Z, Antel SB, Andermann F, et al. (2003) Mesial temporal damage in temporal lobe epilepsy: a volumetric MRI study of the hippocampus, amygdala and parahippocampal region. Brain 126(2): 462-469.	302	17.76
95	Mechelli A, Friston KJ, Frackowiak RS, Price CJ (2005) Structural covariance in the human cortex. J Neurosci 25(36): 8303-8310.	300	20.00
96	Isono S, Remmers JE, Tanaka A, Sho Y, Sato J, et al. (1997) Anatomy of pharynx in patients with obstructive sleep apnea and in normal subjects. J Appl Physiol 82(4): 1319-1326.	300	13.04
97	Thiebaut de Schotten M, Ffytche DH, Bizzi A, Dell Acqua F, Allin M, et al. (2011) Atlasing location, asymmetry and inter-subject variability of white matter tracts in the human brain with MR diffusion tractography. Neuroimage 54(1): 49-59.	299	33.22
98	Yoshioka Y, Siu D, Cooke TD (1987) The anatomy and functional axes of the femur. J Bone Joint Surg Am 69(6): 873-880.	297	9.00
99	Ferretti M, Ekdahl M, Shen W, Fu FH (2007) Osseous landmarks of the femoral attachment of the anterior cruciate ligament: an anatomic study. Arthroscopy 23(11): 1218-1225.	295	22.69
100	Greitz T, Bohm C, Holte S, Eriksson L (1991) A computerized brain atlas: construction, anatomical content, and some applications. J Comput Assist Tomogr 15(1): 26-38.	295	10.17

*Times cited

** Adjusted Citation Index.