

Supplementary table 2. Top-100 cited articles in neurology journals (first part of the analysis)

Rank	Article	No. of citations	No. of annual citations	No. of annual citations, rank
1	McKhann G, Drachman D, Folstein M, et al. Clinical diagnosis of Alzheimer's disease. <i>Neurology</i> 1984;34:939-944.	18700	603.2	1
2	Kurtzke JF. Rating neurologic impairment in multiple sclerosis: An expanded disability status scale (EDSS). <i>Neurology</i> 1983;33:1444-1452.	6819	213.1	10
3	Poser CM, Paty DW, Scheinberg L, et al. New diagnostic criteria for multiple sclerosis: Guidelines for research protocols. <i>Ann Neurol</i> 1983;13:227-231.	6307	197.1	14
4	Hoehn MM, Yahr MD. Parkinsonism: onset, progression and mortality. <i>Neurology</i> 1967;17:427-442.	6293	131.1	33
5	Johns MW. A new method for measuring daytime sleepiness: the Epworth sleepiness scale. <i>Sleep</i> 1991;14:540-545.	5106	212.8	11
6	Longa EZ, Weinstein PR, Carlson S, et al. Reversible middle cerebral artery occlusion without craniectomy in rats. <i>Stroke</i> 1989;20:84-91.	4934	182.7	17
7	Petersen RC, Smith GE, Waring SC, et al. Mild Cognitive Impairment Clinical Characterization and Outcome. <i>Arch Neurol</i> 1999;56:303-308.	4138	258.6	8
8	Hughes AJ, Daniel SE, Kilford L, et al. Accuracy of clinical diagnosis of idiopathic Parkinson's disease: a clinico-pathological study of 100 cases. <i>J Neurol Neurosurg Psychiatry</i> 1992;55:181-184.	4046	175.9	20
9	McDonald WI, Compston A, Edan G, et al. Recommended diagnostic criteria for multiple sclerosis: guidelines from the International Panel on the diagnosis of multiple sclerosis. <i>Ann Neurol</i> 2001;50:121-127.	3897	278.4	5
10	Adams HP Jr, Bendixen BH, Kappelle LJ, et al. Classification of subtype of acute ischemic stroke. Definitions for use in a multicenter clinical trial. <i>Stroke</i> 1993;24:35-41.	3673	159.7	25
11	Morris JC. The Clinical Dementia Rating (CDR): current version and scoring rules. <i>Neurology</i> 1993;43:2412-2414.	3283	149.2	27
12	Cummings JL, Mega M, Gray K, et al. The Neuropsychiatric Inventory: comprehensive assessment of psychopathology in dementia. <i>Neurology</i> 1994;44:2308-2314.	3172	151	26
13	Mirra SS, Heyman A, McKeel D, et al. The Consortium to Establish a Registry for Alzheimer's Disease (CERAD). Part II. Standardization of the neuropathologic assessment of Alzheimer's disease. <i>Neurology</i> 1991;41:479-486.	3112	129.7	34
14	Román GC, Tatemichi TK, Erkinjuntti T, et al. Vascular dementia: diagnostic criteria for research studies. Report of the NINDS-AIREN International Workshop. <i>Neurology</i> 1993;43:250-260.	3081	134	32

15	Neary D, Snowden JS, Gustafson L, et al. Frontotemporal lobar degeneration: a consensus on clinical diagnostic criteria. <i>Neurology</i> 1998;51:1546-1554.	2876	169.2	22
16	Saunders AM, Strittmatter WJ, Schmechel D, et al. Association of apolipoprotein E allele epsilon 4 with late-onset familial and sporadic Alzheimer's disease. <i>Neurology</i> 1993;43:1467-1472.	2666	121.2	36
17	Polman CH, Reingold SC, Edan G, et al. Diagnostic criteria for multiple sclerosis: 2005 revisions to the "McDonald Criteria". <i>Ann Neurol</i> 2005;58:840-846.	2637	263.7	7
18	Wolf PA, Abbott RD, Kannel WB. Atrial fibrillation as an independent risk factor for stroke: the Framingham Study. <i>Stroke</i> 1991;22:983-988.	2612	108.8	39
19	McKeith IG, Galasko D, Kosaka K, et al. Consensus guidelines for the clinical and pathologic diagnosis of dementia with Lewy bodies (DLB): report of the consortium on DLB international workshop. <i>Neurology</i> 1996;47:1113-1124.	2566	135.1	30
20	Flemons WW, Buysse D, Redline S, et al. Sleep-related breathing disorders in adults: recommendations for syndrome definition and measurement techniques in clinical research. <i>Sleep</i> 1999;22:667-689.	2386	149.1	28
21	Petersen RC, Doody R, Kurz A, et al. Current concepts in mild cognitive impairment. <i>Arch Neurol</i> 2001;58:1985-1992.	2351	167.9	23
22	Pulsinelli WA, Brierley JB, Plum F. Temporal profile of neuronal damage in a model of transient forebrain ischemia. <i>Ann Neurol</i> 1982;11:491-498.	2347	71.1	57
23	Wolpaw JR, Birbaumer N, McFarland DJ, et al. Brain-computer interfaces for communication and control. <i>Clin Neurophysiol</i> 2002;113:767-791.	2311	177.8	18
24	Pfurtscheller G, Lopes da Silva FH. Event-related EEG/MEG synchronization and desynchronization: basic principles. <i>Clin Neurophysiol</i> 1999;110:1842-1857.	2158	134.9	31
25	van Swieten JC, Koudstaal PJ, Visser MC, et al. Interobserver agreement for the assessment of handicap in stroke patients. <i>Stroke</i> 1988;19:604-607.	2128	78.8	50
26	Gallese V, Fadiga L, Fogassi L, et al. Action recognition in the premotor cortex. <i>Brain</i> 1996;119:593-609.	2127	111.9	38
27	Palisano R, Rosenbaum P, Walter S, et al. Development and reliability of a system to classify gross motor function in children with cerebral palsy. <i>Dev Med Child Neurol</i> 1997;39:214-223.	2109	117.2	37
28	Rothman SM, Olney JW. Glutamate and the pathophysiology of hypoxic-ischemic brain damage. <i>Ann Neurol</i> 1986;19:105-111.	2075	69.2	60
29	Terry RD, Masliah E, Salmon DP, et al. Physical basis of cognitive alterations in Alzheimer's disease: synapse loss is the major correlate of cognitive impairment. <i>Ann Neurol</i> 1991;30:572-580.	2068	86.2	48
30	Lublin FD, Reingold SC. Defining the clinical course of multiple sclerosis: results of an international survey. <i>Neurology</i> 1996;46:907-911.	2060	108.4	40

31	Devinsky O, Morrell MJ, Vogt BA. Contributions of anterior cingulate cortex to behaviour. <i>Brain</i> 1995;118:279-306.	2021	96.2	45
32	Khachaturian ZS. Diagnosis of Alzheimer's disease. <i>Arch Neurol</i> 1985;42:1097-1105.	2011	64.9	66
33	Brott T, Adams HP Jr, Olinger CP, et al. Measurements of acute cerebral infarction: a clinical examination scale. <i>Stroke</i> 1989;20:864-870.	2007	77.2	54
34	Morris JC, Heyman A, Mohs RC, et al. The Consortium to Establish a Registry for Alzheimer's Disease (CERAD). Part I. Clinical and neuropsychological assesment of Alzheimer's disease. <i>Neurology</i> 1989;39:1159-1165.	2005	77.1	55
35	Klunk WE, Engler H, Nordberg A, et al. Imaging brain amyloid in Alzheimer's disease with Pittsburgh Compound-B. <i>Ann Neurol</i> 2004;55:306-319.	1938	176.2	19
36	Bederson JB, Pitts LH, Tsuji M, et al. Rat middle cerebral artery occlusion: evaluation of the model and development of a neurologic examination. <i>Stroke</i> 1986;17:472-476.	1926	66.4	63
37	Phelps ME, Huang SC, Hoffman EJ, et al. Tomographic measurement of local cerebral glucose metabolic rate in humans with (F-18)2-fluoro-2-deoxy-D-glucose: validation of method. <i>Ann Neurol</i> 1979;6:371-388.	1921	53.4	77
38	McKeith IG, Dickson DW, Lowe J, et al. Diagnosis and management of dementia with Lewy bodies: third report of the DLB Consortium. <i>Neurology</i> 2005;65:1863-1872.	1899	189.9	16
39	Pulsinelli WA, Brierley JB. A new model of bilateral hemispheric ischemia in the unanesthetized rat. <i>Stroke</i> 1979;10:267-272.	1838	51.1	79
40	Bernheimer H, Birkmayer W, Hornykiewicz O, et al. Brain dopamine and the syndromes of Parkinson and Huntington. Clinical, morphological and neurochemical correlations. <i>J Neurol Sci</i> 1973;20:415-455.	1804	43	88
41	Krupp LB, LaRocca NG, Muir-Nash J, et al. The fatigue severity scale. Application to patients with multiple sclerosis and systemic lupus erythematosus. <i>Arch Neurol</i> 1989;46:1121-1123.	1802	69.3	59
42	Mori S, Crain BJ, Chacko VP, et al. Three-dimensional tracking of axonal projections in the brain by magnetic resonance imaging. <i>Ann Neurol</i> 1999;45:265-269.	1797	105.7	42
43	Geschwind N. Disconnexion syndromes in animals and man. I. <i>Brain</i> 1965;88:237-294.	1787	35.7	95
44	Astrup J, Siesjö BK, Symon L. Thresholds in cerebral ischemia - the ischemic penumbra. <i>Stroke</i> 1981;12:723-725.	1729	50.9	80
45	Jacobs LD, Cookfair DL, Rudick RA, et al. Intramuscular interferon beta-1a for disease progression in relapsing multiple sclerosis. <i>Ann Neurol</i> 1996;39:285-294.	1726	90.8	46
46	Gibb WR, Lees AJ. The relevance of the Lewy body to the pathogenesis of idiopathic Parkinson's disease. <i>J Neurol Neurosurg Psychiatry</i> 1988;51:745-752.	1716	61.3	69

47	Mesulam MM. A cortical network for directed attention and unilateral neglect. <i>Ann Neurol</i> 1981;10:309-325.	1639	48.2	84
48	Dubois B, Feldman HH, Jacova C, et al. Research criteria for the diagnosis of Alzheimer's disease: revising the NINCDS-ADRDA criteria. <i>Lancet Neurol</i> 2007;6:734-746.	1616	202	12
49	Polich J. Updating P300: an integrative theory of P3a and P3b. <i>Clin Neurophysiol</i> 2007;118:2128-2148.	1616	202	13
50	McKhann GM, Knopman DS, Chertkow H, et al. The diagnosis of dementia due to Alzheimer's disease: recommendations from the National Institute on Aging-Alzheimer's Association workgroups on diagnostic guidelines for Alzheimer's disease. <i>Alzheimers Dement</i> 2011;7:263-269.	1566	391.5	2
51	Lucchinetti C, Brück W, Parisi J, et al. Heterogeneity of multiple sclerosis lesions: implications for the pathogenesis of demyelination. <i>Ann Neurol</i> 2000;47:707-717.	1547	103.1	43
52	Mesulam MM. Large-scale neurocognitive networks and distributed processing for attention, language, and memory. <i>Ann Neurol</i> 1990;28:597-613.	1529	61.2	70
53	Allen RP, Picchietti D, Hening WA, et al. Restless legs syndrome: diagnostic criteria, special considerations, and epidemiology. A report from the restless legs syndrome diagnosis and epidemiology workshop at the National Institutes of Health. <i>Sleep Med</i> 2003;4:101-119.	1517	126.4	35
54	Duquette P, Girard M, Despault L, et al. Interferon beta-1b is effective in relapsing-remitting multiple sclerosis. <i>Neurology</i> 1993;43:655-661.	1511	68.7	61
55	Fearnley JM, Lees AJ. Ageing and Parkinson's disease: substantia nigra regional selectivity. <i>Brain</i> 1991;114:2283-2301.	1475	61.5	68
56	Cavanna AE, Trimble MR. The precuneus: a review of its functional anatomy and behavioural correlates. <i>Brain</i> 2006;129:564-583.	1466	162.9	24
57	Cummings JL. Frontal-subcortical circuits and human behavior. <i>Arch Neurol</i> 1993;50:873-880.	1435	65.2	65
58	Navia BA, Jordan BD, Price RW. The AIDS dementia complex: I. Clinical features. <i>Ann Neurol</i> 1986;19:517-524.	1409	48.6	83
59	Rice JE 3rd, Vannucci RC, Brierley JB. The influence of immaturity on hypoxic-ischemic brain damage in the rat. <i>Ann Neurol</i> 1981;9:131-141.	1409	40.3	91
60	Polman CH, Reingold SC, Banwell B, et al. Diagnostic criteria for multiple sclerosis: 2010 revisions to the McDonald criteria. <i>Ann Neurol</i> 2011;69:292-302.	1391	278.2	6
61	Adams HP Jr, del Zoppo G, Alberts MJ, et al. Guidelines for the Early Management of Adults With Ischemic Stroke. <i>Stroke</i> 2007;38:1655-1711.	1376	172	21
62	Albert MS, DeKosky ST, Dickson D, et al. The diagnosis of mild cognitive impairment due to Alzheimer's disease: recommendations from the National Institute on Aging-Alzheimer's Association workgroups on diagnostic guidelines for Alzheimer's disease. <i>Alzheimers Dement</i> 2011;7:270-279.	1374	343.5	3

63	Johnson MA, Polgar J, Weightman D, et al. Data on the distribution of fibre types in thirty-six human muscles. An autopsy study. J Neurol Sci 1973;18:111-129.	1369	31.8	96
64	Tomlinson BE, Blessed G, Roth M. Observations on the brains of demented old people. J Neurol Sci 1970;11:205-242.	1364	30.3	97
65	Arriagada PV, Growdon JH, Hedley-Whyte ET, et al. Neurofibrillary tangles but not senile plaques parallel duration and severity of Alzheimer's disease. Neurology 1992;42:631-639.	1336	58.1	75
66	Gelb DJ, Oliver E, Gilman S. Diagnostic criteria for Parkinson disease. Arch Neurol 1999;56:33-39.	1336	78.6	51
67	McGeer PL, Itagaki S, Boyes BE, et al. Reactive microglia are positive for HLA-DR in the substantia nigra of Parkinson's and Alzheimer's disease brains. Neurology 1988;38:1285-1291.	1322	49	81
68	Wingerchuk DM, Lennon VA, Pittock SJ, et al. Revised diagnostic criteria for neuromyelitis optica. Neurology 2006;66:1485-1459.	1317	146.3	29
69	Warrington EK, Shallice T. Category specific semantic impairments. Brain 1984;107:829-854.	1300	40.6	89
70	Buccino G, Binkofski F, Fink GR, et al. Action observation activates premotor and parietal areas in a somatotopic manner: an fMRI study. Eur J Neurosci 2001;13:400-404.	1297	86.5	47
71	Zarranz JJ, Alegre J, Gómez-Esteban JC, et al. The new mutation, E46K, of alpha-synuclein causes Parkinson and Lewy body dementia. Ann Neurol 2004;55:164-173.	1281	106.8	41
72	Brooks BR, Miller RG, Swash M, et al. El Escorial revisited: revised criteria for the diagnosis of amyotrophic lateral sclerosis. Amyotroph Lateral Scler Other Motor Neuron Disord 2000;1:293-299.	1256	78.5	52
73	Whitehouse PJ, Price DL, Clark AW, et al. Alzheimer disease: evidence for selective loss of cholinergic neurons in the nucleus basalis. Ann Neurol 1981;10:122-126.	1251	36.8	94
74	Snider WD, Simpson DM, Nielsen S, et al. Neurological complications of acquired immune deficiency syndrome: analysis of 50 patients. Ann Neurol 1983;14:403-418.	1249	37.8	92
75	Sperling RA, Aisen PS, Beckett LA, et al. Toward defining the preclinical stages of Alzheimer's disease: recommendations from the National Institute on Aging-Alzheimer's Association workgroups on diagnostic guidelines for Alzheimer's disease. Alzheimers Dement 2011;7:280-292.	1243	310.8	4
76	NIH consensus Conference. Neurofibromatosis. Conference statement. National Institutes of Health Consensus Development Conference. Arch Neurol 1988;45:575-578.	1242	46	86
77	Selmaj KW, Raine CS. Tumor necrosis factor mediates myelin and oligodendrocyte damage in vitro. Ann Neurol 1988;23:339-346.	1230	45.6	87

78	Johnson KP, Brooks BR, Cohen JA, et al. Copolymer 1 reduces relapse rate and improves disability in relapsing-remitting multiple sclerosis. <i>Neurology</i> 1995;45:1268-1276.	1221	61.1	71
79	Hebert LE, Scherr PA, Bienias JL, et al. Alzheimer disease in the US population: prevalence estimates using the 2000 census. <i>Arch Neurol</i> 2003;60:1119-1122.	1217	101.4	44
80	Dubois B, Slachevsky A, Litvan I, et al. The FAB: a Frontal Assessment Battery at bedside. <i>Neurology</i> 2000;55:1621-1626.	1199	79.9	49
81	Brun A, Englund B, Gustafson L, et al. Clinical and neuropathological criteria for frontotemporal dementia. The Lund and Manchester Groups. <i>J Neurol Neurosurg Psychiatry</i> 1994;57:416-418.	1198	57	76
82	Mesulam MM. From sensation to cognition. <i>Brain</i> 1998;121:1013-1052.	1186	69.8	58
83	Navia BA, Cho ES, Petito CK, et al. The AIDS dementia complex: II. Neuropathology. <i>Ann Neurol</i> 1986;19:525-535.	1175	40.5	90
84	Geschwind N, Galaburda AM. Cerebral lateralization. Biological mechanisms, associations, and pathology: I. A hypothesis and a program for research. <i>Arch Neurol</i> 1985;42:428-459.	1169	37.7	93
85	Schmahmann JD, Sherman JC. The cerebellar cognitive affective syndrome. <i>Brain</i> 1998;121:561-579.	1168	68.7	62
86	Jack CR Jr, Knopman DS, Jagust WJ, et al. Hypothetical model of dynamic biomarkers of the Alzheimer's pathological cascade. <i>Lancet Neurol</i> 2010;9:119-128.	1165	194.2	15
87	Jones EG, Powell TP. An anatomical study of converging sensory pathways within the cerebral cortex of the monkey. <i>Brain</i> 1970;93:793-820.	1164	25.3	100
88	Petersen RC, Stevens JC, Ganguli M, et al. Practice parameter: early detection of dementia: mild cognitive impairment (an evidence-based review). Report of the Quality Standards Subcommittee of the American Academy of Neurology. <i>Neurology</i> 2001;56:1133-1142.	1161	77.4	53
89	Engel J Jr. A proposed diagnostic scheme for people with epileptic seizures and with epilepsy: report of the ILAE Task Force on Classification and Terminology. <i>Epilepsia</i> 2001;42:796-803.	1148	76.5	56
90	Litvan I, Agid Y, Calne D, et al. Clinical research criteria for the diagnosis of progressive supranuclear palsy (Steele-Richardson-Olszewski syndrome): report of the NINDS-SPSP international workshop. <i>Neurology</i> 1996;47:1-9.	1135	59.7	73
91	Chen R, Classen J, Gerloff C, et al. Depression of motor cortex excitability by low-frequency transcranial magnetic stimulation. <i>Neurology</i> 1997;48:1398-1403.	1125	62.5	67
92	Diener HC, Cunha L, Forbes C, et al. European Stroke Prevention Study. 2. Dipyridamole and acetylsalicylic acid in the secondary prevention of stroke. <i>J Neurol Sci</i> 1996;143:1-13.	1122	59.1	74

93	Hodges JR, Patterson K, Oxbury S, et al. Semantic dementia. Progressive fluent aphasia with temporal lobe atrophy. Brain 1992;115:1783-1806.	1121	48.7	82
94	Berg AT, Berkovic SF, Brodie MJ, et al. Revised terminology and concepts for organization of seizures and epilepsies: report of the ILAE Commission on Classification and Terminology, 2005-2009. Epilepsia 2010;51:676-685.	1114	222.8	9
95	Lovell MA, Robertson JD, Teesdale WJ, et al. Copper, iron and zinc in Alzheimer's disease senile plaques. J Neurol Sci 1998;158:47-52.	1110	65.3	64
96	Rao SM, Leo GJ, Bernardin L, et al. Cognitive dysfunction in multiple sclerosis. I. Frequency, patterns, and prediction. Neurology 1991;41:685-691.	1107	46.1	85
97	Buschke H, Fuld PA. Evaluating storage, retention, and retrieval in disordered memory and learning. Neurology 1974;24:1019-1025.	1103	26.9	99
98	Rogers SL, Farlow MR, Doody RS, et al. A 24-week, double-blind, placebo-controlled trial of donepezil in patients with Alzheimer's disease. Neurology 1998;50:136-145.	1099	61.1	72
99	Lindstrom JM, Seybold ME, Lennon VA, et al. Antibody to acetylcholine receptor in myasthenia gravis. Prevalence, clinical correlates, and diagnostic value. Neurology 1976;26:1054-1059.	1097	28.1	98
100	Brooks BR. El Escorial World Federation of Neurology criteria for the diagnosis of amyotrophic lateral sclerosis. J Neurol Sci 1994;124:96-107.	1097	52.2	78