ESI 中神经科学与行为领域热点论文信息推送

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——基于 2019 年 9 月更新数据

ESI（Essential Science Indicators）热点论文指近两年内发表的在近两个月内被引次数高居前千分之一的 SCI/SSCI 文章，即最近两个月内最受关注的文章。

本期入榜文章是 2017 年 4 月至 2019 年 4 月发表的文章中，在 2019 年 5 月和 6 月两个月内被引次数排名前千分之一的文章。数据更新时间为 2019 年 9 月 11 日。

本期发布神经科学与行为领域热点文章 107 篇，其中首次入榜文章 52 篇。单篇最高被引 530 次，最低被引 4 次。被引 530 次的文章发表在上 *Stroke*，标题为“2018 Guidelines for the Early Management of Patients With Acute Ischemic Stroke: A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association”，第一作者为北卡罗来纳大学教堂山分校（University of North Carolina, Chapel Hill）的 William J. Powers，研究讨论了 AHA/ASA 发布的 2018 版急性缺血性中风早期管理指导方针。首次入榜的 52 篇中单篇最高被引 71 次的文章标题为“Modulators of microglial activation and polarization after intracerebral haemorrhage”，发表在 *Nature Reviews Neurology* 上，第一作者是约翰·霍普金斯大学医学院（Johns Hopkins University School of Medicine）的 Xi Lan，是一篇讨论脑出血与小神经胶质细胞功能的综述。

本期首次入榜研究主题有 2 个，分别是衰老与听力损失（Hearing Loss）、突触前机制与神经递质释放，另有部分首次入榜文章：

43：中枢神经系统髓鞘再生；

45：创造力与脑功能连接；

51：皮层抑制性中间神经元发育多样性；

60：后顶叶皮层与感觉刺激史；

64：阿尔茨海默症的性别差异；

67：海马神经发生与压力应对；

70：进食障碍；

73：精神分裂症患者皮层结构异常；

78：小脑与认知；

83：精神类药物与微生物组构成和胃肠功能；

93：行为的时间模式；

99：添加人工甜味剂的饮料与中风。

该领域所有热点文章的详细信息请见附表（按文章被引次数排列）。

附表：ESI 2019 年 9 月更新的神经科学与行为领域热点论文

注：红色为首次入榜文章或领域；黑色在往期亦是热点文章。

序号	文章主题	题目	第一作者及其单位	出处及原文或摘要链接	单篇被引
1	AHA/ASA：2018 版急性缺血性中风早期管理指导方针	2018 Guidelines for the early management of patients with acute ischemic stroke: a guideline for healthcare professionals from the American Heart Association/American Stroke Association	POWERS, WJ University of North Carolina, Chapel Hill	STROKE 49 (3): E46-E110 MAR 2018 https://www.ahajournals.org/doi/10.1161/STR.0000000000000158	530
2	路易氏体痴呆（Dementia with Lewy Bodies）的诊断与管理	Diagnosis and management of dementia with lewy bodies fourth consensus report of the DLB consortium	MCKEITH, IG NA-AXOVANT SCI INC	NEUROLOGY 89 (1): 88-100 JUL 4 2017 http://n.neurology.org/content/neurology/89/1/88.full.pdf	276
3	2018 版美国国家老龄化研究所和阿尔茨海默病学会（National	NIA-AA research framework: toward a biological definition of Alzheimers	JACK, CR ALZHEIMER&APOS;S	ALZHEIMERS DEMENT 14 (4): 535-562 APR 2018	276

	Institute on Aging—Alzheimer's Association，NIA-AA）研究框架	disease	ASSOCIATION	https://www.sciencedirect.com/science/article/pii/S1552526018300724	
4	2017 版多发性硬化症诊断的 McDonald 标准	Diagnosis of multiple sclerosis: 2017 revisions of the Mcdonald criteria	THOMPSON, AJ CHILDRENS HOSP PHILADELPHIA	LANCET NEUROL 17 (2): 162-173 FEB 2018 https://www.sciencedirect.com/science/article/pii/S1474442217304702	245
5	CBTRUS 统计报告：2010-2014 美国确诊的原发性脑及中枢神经系统肿瘤	Cbtrus statistical report: primary brain and other central nervous system tumors diagnosed in the united states in 2010-2014	OSTROM, QT BOSTON UNIVERSITY	NEURO-ONCOLOGY 19: V1-V88 SUPPL. 5 OCT 2017 https://academic.oup.com/neuro-oncology/article/19/suppl_5/v1/4596648	211
6	海马神经元发生在发育早期后急剧下降	Human hippocampal neurogenesis drops sharply in children to undetectable levels in adults	SORRELLS, SF CIBERNED	NATURE 555 (7696): 377-+ MAR 15 2018 http://iobs.fudan.edu.cn/Assets/userfiles/sys_eb538c1c-65ff-4e82-8e6a-	193

				a1ef01127fed/files/%E6%9C%80%E6%96%B0%E8%AE%BA%E6%96%87/Human%20hippocampal%20neurogenesis%20drops%20sharply%20in%20children%20to%20undetectable%20levels%20in%20adults.pdf	
7	2018 年阿尔茨海默病的案例与数据	2018 Alzheimers disease facts and figures	Alzheimer's Assoc	ALZHEIMERS DEMENT 14 (3): 367-425 MAR 2018 https://www.sciencedirect.com/science/article/pii/S1552526018300414?via%3Dihub	189
8	1990-2015 年神经疾病的全球、地区、国家负担	Global, regional, and national burden of neurological disorders during 1990-2015: a systematic analysis for the global burden of disease study	FEIGIN, VL ADDIS ABABA UNIV	LANCET NEUROL 16 (11): 877-897 NOV 2017 https://www.thelancet.com/journals/laneur/article/PIIS1474-	179

		2015		4422(17)30299-5/fulltext	
9	被特定配体活化的受体（designer receptors exclusively activated by a designer drugs, DREADDs）技术	Chemogenetics revealed: DREADD occupancy and activation via converted clozapine	GOMEZ, JL JOHNS HOPKINS MED	SCIENCE 357 (6350): 503-+ AUG 4 2017 http://science.sciencemag.org/content/357/6350/503	157
10	环状 RNA（circRNA）、微小核苷酸（miRNA）与脑功能	Loss of a mammalian circular RNA locus causes miRNA deregulation and affects brain function	PIWECKA, M BERLIN INST HLTH	SCIENCE 357 (6357): 1254-+ SEP 22 2017 http://science.sciencemag.org/content/early/2017/08/09/science.aam8526.full	148
11	基于 DNA 甲基化对中枢神经系统肿瘤进行分类	DNA methylation-based classification of central nervous system tumours	CAPPER, D ACADEMIC MEDICAL CENTER AMSTERDAM	NATURE 555 (7697): 469-+ MAR 22 2018 https://www.nature.com/articles/nature26000	129

12	ApoE4 与 tau 蛋白介导的神经退行性病变	Apoe4 markedly exacerbates tau-mediated neurodegeneration in a mouse model of tauopathy	SHI, Y ASTRAZENECA	NATURE 549 (7673): 523-+ SEP 28 2017 https://www.ncbi.nlm.nih.gov/pubmed/28959956/	120
13	可同时记录上百个神经元电活动的新型硅探头	Fully integrated silicon probes for high-density recording of neural activity	JUN, JJ ALLEN INST BRAIN SCI	NATURE 551 (7679): 232-+ NOV 9 2017 https://www.nature.com/articles/nature24636	117
14	神经血管单元（Neurovascular unit）与神经系统退行性疾病	The neurovascular unit coming of age: a journey through neurovascular coupling in health and disease	IADECOLA, C CORNELL UNIVERSITY	NEURON 96 (1): 17-42 SEP 27 2017 https://www.sciencedirect.com/science/article/pii/S0896627317306529	117
15	创伤性脑损伤（Traumatic brain injury）的预防、临床护理及相	Traumatic brain injury: integrated approaches to improve prevention,	MAAS, AIR ALL INDIA INST MED SCI	LANCET NEUROL 16 (12): 987-1048 DEC 2017	113

	关研究	clinical care, and research		https://www.thelancet.com/pdfs/journals/laneur/PIIS1474-4422(17)30371-X.pdf	
16	动态功能连接	The dynamic functional connectome: state-of-the-art and perspectives	PRETI, MG UNIVERSITY OF GENEVA	NEUROIMAGE 160: 41-54 SP. ISS. SI OCT 15 2017 https://www.sciencedirect.com/science/article/pii/S1053811916307881	109
17	血浆中阿尔茨海默病的淀粉样蛋白标记物	High performance plasma amyloid-beta biomarkers for Alzheimers disease	Nakamura, A National Center for Geriatrics & Gerontology	NATURE 554 (7691): 249-+ FEB 8 2018 https://www.nature.com/articles/nature25456	108
18	帕金森氏病的流行病学研究	Epidemiology of parkinsons disease	TYSNES, OB HAUKELAND UNIVERSITY HOSPITAL	J NEURAL TRANSM 124 (8): 901-905 SP. ISS. SI AUG 2017 https://link.springer.com/article/10.1007%2Fs00702-017-1686-y	106

19	一般人群中阻塞性睡眠呼吸暂停（Obstructive sleep apnea）的患病率	Prevalence of obstructive sleep apnea in the general population: a systematic review	SENARATNA, CV INST BREATHING SLEEP	SLEEP MED REV 34: 70-81 AUG 2017 http://www.smrv-journal.com/article/S1087-0792(16)30064-8/abstract	103
20	肌萎缩性脊髓侧索硬化症与额颞叶型痴呆	Tia1 mutations in amyotrophic lateral sclerosis and frontotemporal dementia promote phase separation and alter stress granule dynamics	MACKENZIE, IR DREXEL UNIV	NEURON 95 (4): 808-+ AUG 16 2017 https://www.cell.com/neuron/fulltext/S0896-6273(17)30647-5	102
21	阿尔茨海默病和其他神经退行性疾病的血脑屏障破裂	Blood-brain barrier breakdown in Alzheimer disease and other neurodegenerative disorders	Sweeney, MD University of Southern California	NAT REV NEUROL 14 (3): 133-150 MAR 2018 https://www.nature.com/articles/nrneurol.2017.188	100

22	综述：蛋白质内稳态与神经退行性病变	ER stress and the unfolded protein response in neurodegeneration	HETZ, C GEROSCI CTR BRAIN HLTH & METAB	NAT REV NEUROL 13 (8): 477-491 AUG 2017 https://www.nature.com/articles/nrneurol.2017.99	97
23	光遗传学近红外深部脑刺激	Near-infrared deep brain stimulation via upconversion nanoparticle-mediated optogenetics	CHEN, S UNIVERSITY OF TOKYO	SCIENCE 359 (6376): 679-683 FEB 9 2018 http://science.sciencemag.org/content/359/6376/679.full	96
24	多巴胺系统调节帕金森氏病的线粒体和溶酶体功能障碍	Dopamine oxidation mediates mitochondrial and lysosomal dysfunction in Parkinsons disease	BURBULLA, LF CTR HOSP LUXEMBOURG	SCIENCE 357 (6357): 1255-+ SEP 22 2017 http://science.sciencemag.org/content/early/2017/09/06/science.aam9080.full	95

25	利用纤维束成像技术研究人脑连接组	The challenge of mapping the human connectome based on diffusion tractography	MAIER-HEIN, KH DQ CARDIFF UNIVERSITY	NAT COMMUN 8: - NOV 7 2017 https://www.nature.com/articles/s41467-017-01285-x	90
26	利用转录组学分析考察人类小胶质细胞与神经退行性病变的关系	Transcriptomic analysis of purified human cortical microglia reveals age-associated changes	GALATRO, TF LUNDBECK RES USA;UNIVERSITY OF MICHIGAN SYSTEM,UNIVERSITY OF MICHIGAN	NAT NEUROSCI 20 (8): 1162-+ AUG 2017 https://www.nature.com/articles/nn.4597	84
27	微生物-肠-脑轴	Targeting the microbiota-gut-brain axis: prebiotics have anxiolytic and antidepressant-like effects and reverse the impact of chronic stress in mice	BUROKAS, A TEAGASC	BIOL PSYCHIAT 82 (7): 472-487 OCT 1 2017 https://www.sciencedirect.com/science/article/pii/S0006322317300422	83
28	综述：神经元细胞分类	Neuronal cell-type classification:	ZENG, HK	NAT REV NEUROSCI 18 (9): 530-	74

		challenges, opportunities and the path forward	ALLEN INST BRAIN SCI	546 SEP 2017 https://www.ncbi.nlm.nih.gov/labs/articles/28775344/	
29	SPLit-seq：利用成本低廉的 DNA 组合条形码，能够以约 1 美分的成本对单个细胞进行转录组测序	Single-cell profiling of the developing mouse brain and spinal cord with split-pool barcoding	ROSENBERG, AB ALLEN INSTITUTE FOR BRAIN SCIENCE	SCIENCE 360 (6385): 176-+ APR 13 2018 http://science.sciencemag.org/content/360/6385/176.full	73
30	欧洲多发性硬化症的负担与医护成本	New insights into the burden and costs of multiple sclerosis in Europe	KOBELT, G NA-EUROPEAN HLTH ECON	MULT SCLER J 23 (8): 1123-1136 JUL 2017 http://journals.sagepub.com/doi/full/10.1177/1352458517694432	72
31	综述：脑出血与小神经胶质细胞功能	Modulators of microglial activation and polarization after intracerebral haemorrhage	LAN, X ARMY MEDICAL UNIVERSITYVERSITY;	NAT REV NEUROL 13 (7): 420-433 JUL 2017	71

				https://www.nature.com/articles/nrneurol.2017.69#auth-1	
32	正常老龄化诱导 A1-类星形胶质细胞反应性	Normal aging induces a1-like astrocyte reactivity	Clarke, LE Stanford University	PROC NAT ACAD SCI USA 115 (8): E1896-E1905 FEB 20 2018 https://www.pnas.org/content/pnas/115/8/E1896.full.pdf	68
33	综述：情景记忆中前额叶与海马的交互作用	PREFRONTAL-HIPPOCAMPAL INTERACTIONS IN EPISODIC MEMORY	EICHENBAUM, H BOSTON UNIV	NAT REV NEUROSCI 18 (9): 547-558 SEP 2017 https://www.nature.com/articles/nrn.2017.74	64
34	氯胺酮治疗抑郁	Ketamine blocks bursting in the lateral habenula to rapidly relieve	YANG, Y ZHEJIANG UNIV	NATURE 554 (7692): 317-+ FEB 15 2018	63

		depression		http://www.ziint.zju.edu.cn/ueditor/php/upload/file/20180305/1520233072129198.pdf	
35	一种基于柔性有机电子器件的高灵敏度仿生触觉神经系统	A bioinspired flexible organic artificial afferent nerve	KIM, Y KYUNG HEE UNIVERSITY	SCIENCE 360 (6392): 998-+ JUN 1 2018 http://science.sciencemag.org/content/360/6392/998.full	62
36	独立阿尔茨海默症群体的多尺度分析发现人类疱疹病毒对分子、基因和临床网络的破坏	Multiscale analysis of independent Alzheimers cohorts finds disruption of molecular, genetic, and clinical networks by human herpesvirus	Readhead, B Icahn School of Medicine at Mount Sinai	NEURON 99 (1): 64-+ JUL 11 2018 https://www.sciencedirect.com/science/article/pii/S0896627318304215	60
37	深度学习与卷积神经网络	Deep learning with convolutional neural networks for EEG decoding and visualization	SCHIRRMEISTER, RT UNIVERSITY OF FREIBURG	HUM BRAIN MAPP 38 (11): 5391-5420 NOV 2017 https://onlinelibrary.wiley.com/doi/fu	59

				ll/10.1002/hbm.23730	
38	肠道微生物代谢与小胶质细胞和星形胶质细胞功能	Microglial control of astrocytes in response to microbial metabolites	Rothhammer, V Harvard University	NATURE 557 (7707): 724-+ MAY 31 2018 https://www.nature.com/articles/s41586-018-0119-x	59
39	神经精神药理学中的治疗药物监测 (Therapeutic drug monitoring)	Consensus guidelines for therapeutic drug monitoring in neuropsychopharmacology: update 2017	HIEMKE, C NA-ARISTO PHARMA GMBH	PHARMACOPSYCHIATRY 51 (1-2): 9-+ JAN 2018 https://www.thieme-connect.com/products/ejournals/pdf/10.1055/s-0043-116492.pdf	53
40	抗抑郁药物治疗后细胞因子与趋化因子水平	Peripheral alterations in cytokine and chemokine levels after antidepressant drug treatment for major depressive disorder: systematic review and	Kohler, CA Universidade Federal do Ceara	MOL NEUROBIOL 55 (5): 4195-4206 MAY 2018 https://link.springer.com/article/10.1007%2Fs12035-017-0632-1	53

		meta-analysis			
41	α 突触核蛋白病（α - synucleinopathies）	Cellular milieu imparts distinct pathological alpha-synuclein strains in alpha-synucleinopathies	PENG, C UNIVERSITY OF PENNSYLVANIA	NATURE 557 (7706): 558-+ MAY 24 2018 https://www.nature.com/articles/s41586-018-0104-4	47
42	阿尔茨海默症	Alzheimers disease	LANE, CA UNIVERSITY COLLEGE LONDON	EUR J NEUROLOGY 25 (1): 59-70 JAN 2018 https://onlinelibrary.wiley.com/doi/10.1111/ene.13439	45
43	综述：中枢神经系统髓鞘再生	Regenerating CNS myelin - from mechanisms to experimental medicines	FRANKLIN, RJM UNIVERSITY OF CAMBRIDGE	NAT REV NEUROSCI 18 (12): 753-769 DEC 2017 https://www.nature.com/articles/nrn.2017.136	44

44	皮克氏病（Pick's disease）	Structures of filaments from picks disease reveal a novel tau protein fold	FALCON, B INDIANA UNIVERSITY SYSTEM	NATURE 561 (7721): 137-+ SEP 6 2018 https://www.nature.com/articles/s41586-018-0454-y	43
45	创造力与脑功能连接	Robust prediction of individual creative ability from brain functional connectivity	BEATY, RE HARVARD UNIVERSITY	PROC NAT ACAD SCI USA 115 (5): 1087-1092 JAN 30 2018 https://www.pnas.org/content/115/5/1087	41
46	多巴胺与行为	What does dopamine mean?	BERKE, JD UNIVERSITY OF CALIFORNIA SAN FRANCISCO	NAT NEUROSCI 21 (6): 787-793 JUN 2018 https://www.nature.com/articles/s41593-018-0152-y	41
47	单细胞转录组测序	Three-dimensional intact-tissue	WANG, X	SCIENCE 361 (6400): 380-+ SP.	38

		sequencing of single-cell transcriptional states	CNRS - NATIONAL INSTITUTE FOR BIOLOGY (INSB)	ISS. SI JUL 27 2018 http://science.sciencemag.org/content/361/6400/eaat5691.full	
48	芬太尼、芬太尼类似物与新型合成类阿片	Fentanyl, fentanyl analogs and novel synthetic opioids: a comprehensive review	ARMENIAN, P UNIVERSITY OF CALIFORNIA SAN FRANCISCO	NEUROPHARMACOLOGY 134: 121-132 PART A SP. ISS. SI MAY 15 2018 https://www.sciencedirect.com/science/article/pii/S0028390817304847	38
49	血清神经丝微蛋白与多发性硬化症	Monitoring disease activity in multiple sclerosis using serum neurofilament light protein	NOVAKOVA, L UNIVERSITY OF LONDON	NEUROLOGY 89 (22): 2230-2237 NOV 28 2017 https://n.neurology.org/content/89/22/2230	37
50	阵发性偏头痛（Episodic Migraine）	Arise: a phase 3 randomized trial of erenumab for episodic migraine	DODICK, DW VANDERBILT UNIVERSIT;	CEPHALALGIA 38 (6): 1026-1037 MAY 2018	36

				http://journals.sagepub.com/doi/abs/10.1177/0333102418759786?journalCode=cepa	
51	皮层抑制性中间神经元发育多样性	Developmental diversification of cortical inhibitory interneurons	MAYER, C ALBERT EINSTEIN COLLEGE OF MEDICINE	NATURE 555 (7697): 457-+ MAR 22 2018 https://www.nature.com/articles/nature25999	36
52	综述：偏头痛的治疗	CGRP as the target of new migraine therapies - successful translation from bench to clinic	EDVINSSON, L LUND UNIVERSITY	NAT REV NEUROL 14 (6): 338-350 JUN 2018 https://www.nature.com/articles/s41582-018-0003-1	35
53	阿尔茨海默症小鼠模型	Combined adult neurogenesis and BDNF mimic exercise effects on	CHOI, SH COLUMBIA UNIVERSITY	SCIENCE 361 (6406): 991-+ SEP 7 2018	35

		cognition in an Alzheimers mouse model		http://science.sciencemag.org/content/361/6406/eaan8821.full	
54	综述：瘦素（Leptin）与体重	Leptin and the maintenance of elevated body weight	PAN, WW UNIVERSITY OF MICHIGAN	NAT REV NEUROSCI 19 (2): 95-105 FEB 2018 https://www.nature.com/articles/nrn.2017.168	33
55	阵发性偏头痛	Evaluation of galcanezumab for the prevention of episodic migraine the evolve-1 randomized clinical trial	STAUFFER, VL ELI LILLY;UNIVERSITY SYSTEM OF MARYLAND	JAMA NEUROL 75 (9): 1080-1088 SEP 2018 https://jamanetwork.com/journals/jamaneurology/fullarticle/2681442?resultClick=3	33

56	小鼠新皮层的细胞类型	Shared and distinct transcriptomic cell types across neocortical areas	TASIC, B ALLEN INSTITUTE FOR BRAIN SCIENCE	NATURE 563 (7729): 72-+ NOV 1 2018 https://www.nature.com/articles/s41586-018-0654-5	33
57	综述：神经丝蛋白（Neurofilament）与神经系统疾病	Neurofilaments as biomarkers in neurological disorders	KHALIL, M AUTONOMOUS UNIVERSITY OF BARCELONA	NAT REV NEUROL 14 (10): 577-589 OCT 2018 https://www.nature.com/articles/s41582-018-0058-z	31
58	多发性硬化症	Cognition in multiple sclerosis: state of the field and priorities for the future	SUMOWSKI, JF VU UNIVERSITY MEDICAL CENTER	NEUROLOGY 90 (6): 278-288 FEB 6 2018 https://n.neurology.org/content/90/6/278	29
59	综述：线粒体与突触前（Presynapse）机制	Mitochondria at the neuronal presynapse in health and disease	DEVINE, MJ	NAT REV NEUROSCI 19 (2): 63-80 FEB 2018	29

			UNIVERSITY COLLEGE LONDON	https://www.nature.com/articles/nrn.2017.170	
60	后顶叶皮层与感觉刺激史	Posterior parietal cortex represents sensory history and mediates its effects on behaviour	AKRAMI, A HOWARD HUGHES MEDICAL INSTITUTE	NATURE 554 (7692): 368-+ FEB 15 2018 https://www.nature.com/articles/nature25510	29
61	NLRP3 炎症小体选择性抑制剂缓解脑出血后的脑损伤	Selective NLRP3 (Pyrin domain-containing protein 3) inflammasome inhibitor reduces brain injury after intracerebral hemorrhage	REN, HL TIANJIN MEDICAL UNIVERSITY	STROKE 49 (1): 184-+ JAN 2018 https://www.ahajournals.org/doi/full/10.1161/strokeaha.117.018904	28
62	综述：β淀粉样蛋白寡聚体与阿尔茨海默症	The amyloid-beta oligomer hypothesis: beginning of the third decade	CLINE, EN NORTHWESTERN UNIVERSITY	J ALZHEIMERS DIS 64: S567-S610 SUPPL. 1 2018	28

				https://pdfs.semanticscholar.org/4b20/c7d8b30a5774bb296f403de0b19f91c98e62.pdf?_ga=2.223780766.465239495.1540301968-1806773211.1540301968	
63	阵发性偏头痛（Episodic migraine）的预防	Efficacy and safety of galcanezumab for the prevention of episodic migraine: results of the evolve-2 phase 3 randomized controlled clinical trial	SKLJAREVSKI, V UNIVERSITY OF LONDON	CEPHALALGIA 38 (8): 1442-1454 JUL 2018 https://journals.sagepub.com/doi/abs/10.1177/0333102418779543?journalCode=cepa	27
64	综述：阿尔茨海默症的性别差异	Sex differences in Alzheimer disease - the gateway to precision medicine	FERRETTI, MT UNIVERSITY OF ZURICH	NAT REV NEUROL 14 (8): 457-469 AUG 2018 https://www.nature.com/articles/s41582-018-0032-9	27

65	CBTRUS 统计报告：美国 2011-2015 年间原发性脑肿瘤和中枢神经系统肿瘤的流行病学研究	CBTRUS statistical report: primary brain and other central nervous system tumors diagnosed in the united states in 2011-2015	OSTROM, QT BAYLOR COLLEGE OF MEDICINE	NEURO-ONCOLOGY 20: 1-86 SUPPL. 4 OCT 2018 https://academic.oup.com/neuro-oncology/article/20/suppl_4/iv1/5090960	27
66	DeepLabCut：无需标记的深度学习（动物）姿态估计与行为跟踪	DeepLabCut: markerless pose estimation of user-defined body parts with deep learning	MATHIS, A BAYLOR COLLEGE OF MEDICINE	NAT NEUROSCI 21 (9): 1281-+ SEP 2018 https://www.nature.com/articles/s41593-018-0209-y	26
67	海马神经发生与压力应对	Hippocampal neurogenesis confers stress resilience by inhibiting the ventral dentate gyrus	ANACKER, C COLUMBIA UNIVERSITY	NATURE 559 (7712): 98-+ JUL 5 2018 https://www.nature.com/articles/s41586-018-0262-4	22

68	成年人类大脑的性别差异	Sex differences in the adult human brain: evidence from 5216 UK biobank participants	RITCHIE, SJ ACADEMIC MEDICAL CENTER AMSTERDAM	CEREB CORTEX 28 (8): 2959-2975 AUG 2018 https://academic.oup.com/cercor/article/28/8/2959/4996558	22
69	神经生物学与阿尔茨海默症临床研究	Religious orders study and rush memory and aging project	BENNETT, DA RUSH UNIVERSITY	J ALZHEIMERS DIS 64: S161-S189 SUPPL. 1 2018 https://www.ncbi.nlm.nih.gov/pubmed/29865057	21
70	进食障碍	Prevalence and correlates of DSM-5-defined eating disorders in a nationally representative sample of US adults	UDO, T STATE UNIVERSITY OF NEW YORK (SUNY) ALBANY	BIOL PSYCHIAT 84 (5): 345-354 SEP 1 2018 https://www.sciencedirect.com/science/article/pii/S0006322318314409	21

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72	1990-2016 年偏头痛与紧张型头痛（Tension-type headache）的疾病负担	Global, regional, and national burden of migraine and tension-type headache, 1990-2016: a systematic analysis for the global burden of disease study 2016	STOVNER, LJ WEST VIRGINIA UNIVERSITY	LANCET NEUROL 17 (11): 954-976 NOV 2018 https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(18)30322-3/fulltext	17
73	精神分裂症患者皮层结构异常	Cortical brain abnormalities in 4474 individuals with schizophrenia and 5098 control subjects via the enhancing neuro imaging genetics through meta analysis (ENIGMA) consortium	VAN ERP, TGM ACADEMIC MEDICAL CENTER AMSTERDAM	BIOL PSYCHIAT 84 (9): 644-654 NOV 1 2018 https://www.sciencedirect.com/science/article/pii/S0006322318315178	17

74	神经影像中的统计参数映射	Analysis of family-wise error rates in statistical parametric mapping using random field theory	FLANDIN, G UNIVERSITY COLLEGE LONDON	HUM BRAIN MAPP 40 (7): 2052-2054 MAY 2019 https://onlinelibrary.wiley.com/doi/pdf/10.1002/hbm.23839	16
75	帕金森氏病的全球负担	Global, regional, and national burden of Parkinsons disease, 1990-2016: a systematic analysis for the global burden of disease study 2016	DORSEY, ER AHVAZ JUNDISHAPUR UNIVERSITY OF MEDICAL SCIENCES (AJUMS)	LANCET NEUROL 17 (11): 939-953 NOV 2018 https://www.sciencedirect.com/science/article/pii/S1474442218302953	16
76	智力的全基因组关联研究	A combined analysis of genetically correlated traits identifies 187 loci and a role for neurogenesis and myelination in intelligence	HILL, WD HARVARD UNIVERSITY	MOL PSYCHIATR 24 (2): 169-181 FEB 2019 https://www.nature.com/articles/s41380-017-0001-5	15

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78	综述：小脑与认知	The cerebellum and cognition	SCHMAHMANN, JD HARVARD UNIV MEDICAL AFFILIATES	NEUROSCI LETT 688: 62-75 SP. ISS. SI JAN 1 2019 https://www.sciencedirect.com/science/article/pii/S0304394018304671	15
79	综述：阿尔茨海默症β淀粉样蛋白靶向治疗	A critical appraisal of amyloid-beta targeting therapies for Alzheimer disease	PANZA, F UNIVERSITY OF BARI	NAT REV NEUROL 15 (2): 73-88 FEB 2019 https://www.nature.com/articles/s41582-018-0116-6	14
80	综述：降钙素基因相关肽（Calcitonin gene-related	History and review of anti-calcitonin gene-related peptide	TEPPER, SJ DARTMOUTH COLLEGE	HEADACHE 58: 238-275 SUPPL. 3 SP. ISS. SI NOV 2018	14

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81	Galcanezumab 预防性治疗慢性偏头痛	Galcanezumab in chronic migraine the randomized, double-blind, placebo-controlled REGAIN study	DETKE, HC UNIVERSITY OF TEXAS SYSTEM	NEUROLOGY 91 (24): E2211-E2221 DEC 11 2018 https://n.neurology.org/content/91/24/e2211	13
82	牙龈卟啉单胞菌（Porphyromonas gingivalis）与阿尔茨海默症	Porphyromonas gingivalis in Alzheimers disease brains: evidence for disease causation and treatment with small-molecule inhibitors	DOMINY, SS VA BOSTON HEALTHCARE SYSTEM	SCI ADV 5 (1): - JAN 2019 https://advances.sciencemag.org/content/5/1/eaau3333.full	13

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84	衰老与听力损失	Synaptopathy in the aging cochlea: characterizing early-neural deficits in auditory temporal envelope processing	PARTHASARATHY, A HARVARD UNIV MEDICAL AFFILIATES	J NEUROSCI 38 (32): 7108-7119 AUG 8 2018 https://www.jneurosci.org/content/jneuro/38/32/7108.full.pdf	12
85	听知觉与听觉障碍相关细胞类型特定功能	Neuronal heterogeneity and stereotyped connectivity in the auditory afferent system	PETITPRE, C UNIVERSITY OF CALIFORNIA SYSTEM	NAT COMMUN 9: - SEP 12 2018 https://www.nature.com/articles/s41467-018-06033-3	12

86	衰老与听力损失	Primary neural degeneration in the human cochlea: evidence for hidden hearing loss in the aging ear	WU, PZ SUN YAT SEN UNIVERSITY	NEUROSCIENCE 407: 8-20 SP. ISS. SI MAY 21 2019 https://www.sciencedirect.com/science/article/pii/S0306452218305372	10
87	血管内血栓切除术	Penumbral imaging and functional outcome in patients with anterior circulation ischaemic stroke treated with endovascular thrombectomy versus medical therapy: a meta-analysis of individual patient-level data	CAMPBELL, BCV UNIVERSITY OF TORONTO	LANCET NEUROL 18 (1): 46-55 JAN 2019 https://www.thelancet.com/pdfs/journals/laneur/PIIS1474-4422(18)30314-4.pdf	10
88	线粒体自噬（Mitophagy）抑制阿尔茨海默症的β淀粉样蛋白和 tau 蛋白病变，逆转认知功能障碍	Mitophagy inhibits amyloid-beta and tau pathology and reverses cognitive deficits in models of Alzheimers disease	FANG, EF UNIVERSITY OF OXFORD	NAT NEUROSCI 22 (3): 401-+ MAR 2019 https://www.nature.com/articles/s41593-018-0332-9	9

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90	小脑功能与奖赏环路和社会行为	Cerebellar modulation of the reward circuitry and social behavior	CARTA, F YESHIVA UNIVERSITY	SCIENCE 363 (6424): 248-+ JAN 18 2019 https://science.sciencemag.org/content/363/6424/eaav0581.full	8
91	Slide-seq：一种具有高空间分辨率的基因表达模式的测量技术	Slide-seq: a scalable technology for measuring genome-wide expression at high spatial resolution	RODRIQUES, SG BROAD INSTITUTE	SCIENCE 363 (6434): 1463-+ MAR 29 2019 https://science.sciencemag.org/content/363/6434/1463.full	8

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93	特邀综述：行为的时间模式	T-pattern detection and analysis for the discovery of hidden features of behaviour	CASARRUBEA, M UNIVERSITY OF PALERMO	J NEUROSCI METH 310: 24-32 SP. ISS. SI DEC 1 2018 https://www.sciencedirect.com/science/article/pii/S0165027018301924	8
94	综述：性别差异、小胶质细胞与脑损伤后的炎症反应	Brain response to injuries: when microglia go sexist	RAHIMIAN, R LAVAL UNIVERSITY	NEUROSCIENCE 405: 14-23 SP. ISS. SI MAY 1 2019 https://www.sciencedirect.com/science/article/pii/S0306452218301738	7

95	小胶质细胞与神经炎症	Ferulic acid rescues lPS-induced neurotoxicity via modulation of the TLR4 receptor in the mouse hippocampus	REHMAN, SU GYEONGSANG NATIONAL UNIVERSITY	MOL NEUROBIOL 56 (4): 2774-2790 APR 2019 https://link.springer.com/article/10.1007/s12035-018-1280-9	7
96	综述：细胞程序性坏死（Necroptosis）、神经炎症与神经退行性病变	Necroptosis and RIPK1-mediated neuroinflammation in CNS diseases	YUAN, JY HARVARD UNIVERSITY	NAT REV NEUROSCI 20 (1): 19-33 JAN 2019 https://www.nature.com/articles/s41583-018-0093-1	7
97	中风的全球负担	Global, regional, and national burden of stroke, 1990-2016: a systematic analysis for the global burden of disease study 2016	JOHNSON, CO YALE UNIVERSITY	LANCET NEUROL 18 (5): 439-458 MAY 2019 https://www.sciencedirect.com/science/article/pii/S1474442219300341	6

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99	添加人工甜味剂的饮料（Artificially sweetened beverages，ASB）与中风	Artificially sweetened beverages and stroke, coronary heart disease, and all-cause mortality in the womens health initiative	MOSSAVAR-RAHMANI, Y ALBERT EINSTEIN COLLEGE OF MEDICINE	STROKE 50 (3): 555-562 MAR 2019 https://www.ahajournals.org/doi/10.1161/STROKEAHA.118.023100	5
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103	Pioglitazone 治疗中风和糖尿病前期（Prediabetes）	Pioglitazone therapy in patients with stroke and prediabetes a post hoc analysis of the IRIS randomized clinical trial	SPENCE, JD ABINGTON MEMORIAL HOSPITAL	JAMA NEUROL 76 (5): 526-535 MAY 2019 https://jamanetwork.com/journals/jamaneurology/fullarticle/2723653	4

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105	综述：氧化应激、葡萄糖代谢异常与阿尔茨海默症	Oxidative stress, dysfunctional glucose metabolism and Alzheimer disease	BUTTERFIELD, DA NATIONAL UNIVERSITY OF SINGAPORE	NAT REV NEUROSCI 20 (3): 148-160 MAR 2019 https://www.nature.com/articles/s41583-019-0132-6	4
106	慢性创伤性脑部病变（Chronic traumatic encephalopathy，CTE）	Novel tau filament fold in chronic traumatic encephalopathy encloses hydrophobic molecules	FALCON, B INDIANA UNIVERSITY SYSTEM	NATURE 568 (7752): 420-+ APR 18 2019 https://www.nature.com/articles/s41586-019-1026-5	4
107	多能干细胞源人脑血管周细胞	Human pluripotent stem cell-derived brain pericyte-like cells	STEBBINS, MJ	SCI ADV 5 (3): - MAR 2019 https://advances.sciencemag.org/cont	4

		induce blood-brain barrier properties	UNIVERSITY OF WISCONSIN SYSTEM	ent/5/3/eaau7375.full	