

ESI 中神经科学与行为领域热点论文 信息推送

2020 年 9 月 第 5 期（总第 55 期）

中国科学院心理研究所信息中心

本期编者：王玮

地址：北京市朝阳区林萃路 16 号院

电话：010-64880539

发布日期：2020 年 9 月 28 日

邮编：100101

邮箱：xinzhongxin@psych.ac.cn

ESI 中神经科学与行为领域热点论文信息推送

——基于 2020 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 2018 年 3 月至 2020 年 4 月发表的文章中, 在 2020 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 2020 年 9 月 10 日。

本期发布神经科学与行为领域热点文章 111 篇, 其中首次入榜文章 49 篇。单篇最高被引 293 次, 最低被引 6 次。被引 293 次的文章发表在 *Neuro-Oncology* 上, 标题为“CBTRUS Statistical Report: Primary Brain and Other Central Nervous System Tumors Diagnosed in the United States in 2011–2015”, 第一作者为美国脑肿瘤登记中心 (Central Brain Tumor Registry of the United States) 的 Quinn T Ostrom, 研究介绍了 CBTRUS 统计报告, 即美国 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。首次入榜的 49 篇中单篇最高被引 141 次的文章标题为“Neurologic Manifestations of Hospitalized Patients With Coronavirus Disease 2019 in Wuhan, China”, 发表在 *JAMA Neurology* 上, 第一作者是华中科技大学的 Ling Mao, 文章报告了新冠肺炎患者的神经系统症状。

本期首次入榜研究主题为新冠肺炎与神经系统症状, 其他部分首次入榜文章有:

- 33: 蛋白质结构和功能障碍与神经退行性病变;
- 41: 青少年脑认知发育计划 (adolescent brain cognitive development, ABCD);
- 42: 神经递质与肠道微生物群;
- 49: 神经影像研究的样本量;
- 56: 性别差异在奖赏和成瘾相关神经机制中的角色;
- 73: 睡眠与长期记忆形成;
- 74: 伤害性刺激的传导;
- 77: 呼吸道病毒感染与神经系统症状;
- 82: MRtrix3——用于医学影像处理、分析和可视化的开源、跨平台软件包;
- 88: 脑与微生物群;
- 101: 经颅磁刺激激活的神经元类型及刺激参数如何影响神经元反应;
- 111: 偏头痛的神经影像学研究。

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 2020 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	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	293
2	阿尔茨海默症的公共卫生影响	2019 Alzheimers disease facts and figures	GAUGLER, J -	ALZHEIMERS & DEMENTIA 15 (3): 321-387 MAR 2019 http://psych.summon.serialssolutions.com/psych.remotexs.cn/2.0.0/link?t=1583206423265	218
3	综述：神经丝蛋白（neurofilament）与神经系统疾	Neurofilaments as biomarkers in neurological disorders	KHALIL, M AUTONOMOUS	NAT REV NEUROL 14 (10): 577-589 OCT 2018	174

	病		UNIVERSITY OF BARCELONA	https://www.nature.com/articles/s41582-018-0058-z	
4	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	152
5	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	150
6	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	Readhead, B Icahn School of Medicine at Mount Sinai	NEURON 99 (1): 64-+ JUL 11 2018 https://www.sciencedirect.com/scien	150

		networks by human herpesvirus		ce/article/pii/S0896627318304215	
7	单细胞转录组测序	Three-dimensional intact-tissue sequencing of single-cell transcriptional states	WANG, X CNRS - NATIONAL INSTITUTE FOR BIOLOGY (INSB)	SCIENCE 361 (6400): 380-+ SP. ISS. SI JUL 27 2018 http://science.sciencemag.org/content/361/6400/eaat5691.full	149
8	新冠肺炎患者的神经系统症状	Neurologic manifestations of hospitalized patients with coronavirus disease 2019 in Wuhan, China	MAO, L BARROW NEUROLOGICAL INSTITUTE	JAMA NEUROLOGY 77 (6): 683-690 JUN 2020 https://pubmed.ncbi.nlm.nih.gov/32275288/	141
9	1990-2016 年间,阿尔茨海默症的全球、局部和国家负担	Global, regional, and national burden of Alzheimers disease and other dementias, 1990-2016: a systematic analysis for the global burden of disease study 2016	NICHOLS, E A.T. STILL UNIVERSITY OF HEALTH SCIENCES	LANCET NEUROLOGY 18 (1): 88-106 JAN 2019 http://search.proquest.com/psych/remotexs.cn/docview/2155045478?pq-origsite=summon	137

10	脑膜淋巴系统功能与老龄化和阿尔茨海默症	Functional aspects of meningeal lymphatics in ageing and Alzheimers disease	DA MESQUITA, S UNIVERSITY OF TRENTO	NATURE 560 (7717): 185-+ AUG 9 2018 https://www.nature.com/articles/s41586-018-0368-8	134
11	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	134
12	帕金森氏病的全球负担	Global, regional, and national burden of Parkinsons disease, 1990-2016: a systematic analysis	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	127

		for the global burden of disease study 2016			
13	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	120
14	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	111
15	综述: 小胶质细胞与神经退行性病变	Microglia in neurodegeneration	HICKMAN, S HARVARD MEDICAL SCHOOL	NATURE NEUROSCIENCE 21 (10): 1359-1369 OCT 2018 https://www.nature.com/articles/s41593-018-0242-x	110

16	小胶质细胞	Spatial and temporal heterogeneity of mouse and human microglia at single-cell resolution	MASUDA, T CHARITE MEDICAL UNIVERSITY OF BERLIN	NATURE 566 (7744): 388-392 FEB 21 2019 https://www.nature.com/articles/s41586-019-0924-x	110
17	1990-2016 年间，神经系统疾病的全球、局部和国家负担	Global, regional, and national burden of neurological disorders, 1990-2016: a systematic analysis for the global burden of disease study 2016	FEIGIN, VL A.T. STILL UNIVERSITY OF HEALTH SCIENCES	LANCET NEUROLOGY 18 (5): 459-480 MAY 2019 http://search.proquest.com/psych.remotexs.cn/docview/2207083391?pq-origsite=summon	108
18	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	107

19	阿尔茨海默病相关的β-淀粉样蛋白	Alzheimers disease-associated beta-amyloid is rapidly seeded by herpesviridae to protect against brain infection	Eimer, WA Massachusetts General Hospital	NEURON 99 (1): 56-+ JUL 11 2018 https://www.sciencedirect.com/science/article/pii/S0896627318305269?via%3Dihub	106
20	抑郁的遗传学研究	Genome-wide meta-analysis of depression identifies 102 independent variants and highlights the importance of the prefrontal brain regions	HOWARD, DM VA BOSTON HEALTHCARE SYSTEM;UNIVERSITY OF QUEENSLAND	NATURE NEUROSCIENCE 22 (3): 343-+ MAR 2019 https://www.nature.com/articles/s41593-018-0326-7	104
21	胆碱能系统与阿尔茨海默症	The cholinergic system in the pathophysiology and treatment of Alzheimers disease	HAMPEL, H ASSISTANCE PUBLIQUE HOPITAUX PARIS (APHP);UNIVERSITY OF RHODE ISLAND	BRAIN 141: 1917-1933 PART 7 JUL 2018 https://academic.oup.com/brain/article/141/7/1917/5023826	100

22	小胶质细胞与脑髓样细胞	Developmental heterogeneity of microglia and brain myeloid cells revealed by deep single-cell RNA sequencing	LI, QY VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY	NEURON 101 (2): 207-+ JAN 16 2019 https://www.sciencedirect.com/science/article/pii/S0896627318310821	95
23	阿尔茨海默症单细胞转录组学分析	Single-cell transcriptomic analysis of Alzheimers disease	MATHYS, H BROAD INSTITUTE	NATURE 570 (7761): 332-+ JUN 20 2019 https://www.nature.com/articles/s41586-019-1195-2	93
24	大脑皮层与功能连接 MRI	Local-global parcellation of the human cerebral cortex from intrinsic functional connectivity MRI	SCHAEFER, A YALE UNIVERSITY	CEREBRAL CORTEX 28 (9): 3095-3114 SEP 2018 https://academic.oup.com/cercor/article/28/9/3095/3978804	92
25	蛋白病变与神经系统退行性病变	Neurodegenerative disease concomitant proteinopathies are	ROBINSON, JL	BRAIN 141: 2181-2193 PART 7 JUL 2018	92

		prevalent, age-related and APOE4-associated	UNIVERSITY OF PENNSYLVANIA	https://academic.oup.com/brain/article/141/7/2181/5033683	
26	慢性痛	Chronic pain as a symptom or a disease: the IASP classification of chronic pain for the international classification of diseases (ICD-11)	TREEDE, RD	PAIN 160 (1): 19-27 JAN 2019 https://pubmed.ncbi.nlm.nih.gov/30586067/	90
27	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	89
28	综述: 胶质-淋巴通路与神经系统疾病	The glymphatic pathway in neurological disorders	RASMUSSEN, MK UNIVERSITY OF COPENHAGEN	LANCET NEUROL 17 (11): 1016-1024 NOV 2018 https://www.sciencedirect.com/science/article/pii/S1474442218303181	87

29	综述：边缘为主年龄相关 TDP-43 脑病（limbic-predominant age-related TDP-43 encephalopathy, LATE）	Limbic-predominant age-related TDP-43 encephalopathy (LATE): consensus working group report	NELSON, PT UPPSALA UNIVERSITY	BRAIN 142: 1503-1527 PART 6 JUN 2019 https://www.repository.cam.ac.uk/bitstream/handle/1810/290624/awz099.pdf?sequence=4&isAllowed=y	87
30	神经技术辅助脊髓损伤患者重获行走功能	Targeted neurotechnology restores walking in humans with spinal cord injury	WAGNER, FB CENTRE HOSPITALIER UNIVERSITAIRE VAUDOIS (CHUV);UNIVERSITY OF OXFORD	NATURE 563 (7729): 65-+ NOV 1 2018 https://www.nature.com/articles/s41586-018-0649-2	87
31	美国多发性硬化症的患病率	The prevalence of MS in the united states a population-based estimate using health claims data	WALLIN, MT BROWN UNIVERSITY	NEUROLOGY 92 (10): E1029- E1040 MAR 5 2019 https://n.neurology.org/content/92/10/e1029	86

32	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	82
33	蛋白质结构和功能障碍与神经退行性病变	Protein misfolding, aggregation, and conformational strains in neurodegenerative diseases	SOTO, C UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER HOUSTON	NATURE NEUROSCIENCE 21 (10): 1332-1340 OCT 2018 https://www.nature.com/articles/s41593-018-0235-9	81
34	卒中的全球负担	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	80

35	急性缺血性卒中早期管理指导 方针	Guidelines for the early management of patients with acute ischemic stroke: 2019 update to the 2018 guidelines for the early management of acute ischemic stroke: a guideline for healthcare professionals from the American Heart Association/American Stroke Association	POWERS, WJ CASE WESTERN RESERVE UNIVERSITY	STROKE 50 (12): E344-E418 DEC 2019 https://www.ahajournals.org/doi/10.1161/STR.0000000000000211	79
36	帕金森氏病	Transneuronal propagation of pathologic alpha-synuclein from the gut to the brain models Parkinsons disease	KIM, S UNIVERSITY OF ALABAMA SYSTEM	NEURON 103 (4): 627-+ AUG 21 2019 https://pubmed.ncbi.nlm.nih.gov/31255487/	78

37	健康老龄化的认知神经科学	Maintenance, reserve and compensation: the cognitive neuroscience of healthy ageing	CABEZA, R UNIVERSITY SYSTEM OF GEORGIA	NATURE REVIEWS NEUROSCIENCE 19 (11): 701-710 NOV 2018 https://pubmed.ncbi.nlm.nih.gov/30305711/	74
38	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	74
39	综述：生活方式干预与认知受损、痴呆、阿尔茨海默症	Lifestyle interventions to prevent cognitive impairment, dementia and Alzheimer disease	KIVIPELTO, M FINLAND NATIONAL INSTITUTE FOR HEALTH & WELFARE	NAT REV NEUROL 14 (11): 653-666 NOV 2018 https://www.nature.com/articles/s41582-018-0070-3	74

40	帕金森氏病非运动症状的治疗	Update on treatments for nonmotor symptoms of Parkinsons disease-an evidence-based medicine review	SEPPI, KEHRANI, A US DEPARTMENT OF VETERAN AFFAIRS	MOVEMENT DISORDERS 34 (2): 180-198 FEB 2019 https://pubmed.ncbi.nlm.nih.gov/30653247/	73
41	青少年脑认知发育计划 (Adolescent Brain Cognitive Development, ABCD)	The adolescent brain cognitive development (ABCD) study: imaging acquisition across 21 sites	CASEY, BJ CORNELL UNIVERSITY	DEVELOPMENTAL COGNITIVE NEUROSCIENCE 32: 43-54 AUG 2018 https://www.sciencedirect.com/science/article/pii/S1878929317301214	73
42	神经递质与肠道微生物群	Neurotransmitter modulation by the gut microbiota	STRANDWITZ, P NORTHEASTERN UNIVERSITY	BRAIN RESEARCH 1693: 128- 133 PART B SP. ISS. SI AUG 15 2018 https://pubmed.ncbi.nlm.nih.gov/29903615/	70

43	1990-2016 年间，多发性硬化症的全球、区域、国家负担	Global, regional, and national burden of multiple sclerosis 1990-2016: a systematic analysis for the global burden of disease study 2016	WALLIN, MT AGA KHAN UNIVERSITY	LANCET NEUROLOGY 18 (3): 269-285 MAR 2019 https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(18)30443-5/fulltext	68
44	自发行为与全脑神经活动	Spontaneous behaviors drive multidimensional, brainwide activity	STRINGER, C UNIVERSITY OF WASHINGTON SEATTLE	SCIENCE 364 (6437): 255-+ APR 19 2019 https://science.sciencemag.org/content/364/6437/eaav7893.full	66
45	小鼠脑内巨噬细胞的单细胞分析	A Single-cell atlas of mouse brain macrophages reveals unique transcriptional identities shaped by ontogeny and tissue environment	VAN HOVE, H VRIJE UNIVERSITEIT BRUSSEL	NATURE NEUROSCIENCE 22 (6): 1021-1035 JUN 2019 https://www.nature.com/articles/s41593-019-0393-4	65

46	睡眠-觉醒节律与阿尔茨海默症	The sleep-wake cycle regulates brain interstitial fluid tau in mice and CSF tau in humans	HOLTH, JK WASHINGTON UNIVERSITY (WUSTL)	SCIENCE 363 (6429): 880-883 FEB 22 2019 https://pubmed.ncbi.nlm.nih.gov/30679382/	65
47	综述: 饮食质量与抑郁症预后	Healthy dietary indices and risk of depressive outcomes: a systematic review and meta-analysis of observational studies	LASSALE, C UNIVERSITY OF LONDON	MOLECULAR PSYCHIATRY 24 (7): 965-986 JUL 2019 https://www.nature.com/articles/s41380-018-0237-8	60
48	多发性硬化症	Altered human oligodendrocyte heterogeneity in multiple sclerosis	JAKEL, S KAROLINSKA INSTITUTET	NATURE 566 (7745): 543-+ FEB 28 2019 https://www.nature.com/articles/s41586-019-0903-2	60
49	神经影像研究的样本量	Cross-validation failure: small sample sizes lead to large error bars	VAROQUAUX, G	NEUROIMAGE 180: 68-77 PART A OCT 15 2018	58

			UNIVERSITE PARIS SACLAY	https://www.sciencedirect.com/science/article/pii/S1053811917305311	
50	从微生物水平的角度讨论阿尔茨海默症病理学	The antimicrobial protection hypothesis of Alzheimers disease	MOIR, RD HARVARD MED SCH	ALZHEIMERS & DEMENTIA 14 (12): 1602-1614 DEC 2018 https://www.sciencedirect.com/science/article/pii/S155252601833228X	57
51	使用单核 RNA 测序分析颞中回细胞类型	Conserved cell types with divergent features in human versus mouse cortex	HODGE, RD ALLEN INSTITUTE FOR BRAIN SCIENCE	NATURE 573 (7772): 61-+ SEP 5 2019 https://www.nature.com/articles/s41586-019-1506-7	56
52	帕金森氏病	Lewy pathology in Parkinsons disease consists of crowded organelles and lipid membranes	SHAHMORADIAN, SH ERASMUS UNIVERSITY MEDICAL CENTER	NATURE NEUROSCIENCE 22 (7): 1099-+ JUL 2019 http://www.nature.com.psych.remotes.cn/articles/s41593-019-0423-2	56

53	综述: 小胶质细胞与疼痛	Microglia in pain: detrimental and protective roles in pathogenesis and resolution of pain	CHEN, G NANTONG UNIVERSITY	NEURON 100 (6): 1292-1311 DEC 19 2018 https://pubmed.ncbi.nlm.nih.gov/30571942/	54
54	CBTRUS 统计报告: 2012-2016 年间美国确诊原发性脑及其他 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 2012-2016	OSTROM, QT BAYLOR COLLEGE OF MEDICINE	NEURO-ONCOLOGY 21: V1-V100 SUPPL. 5 OCT 2019 https://pubmed.ncbi.nlm.nih.gov/31675094/	49
55	神经胶质瘤 (gliomas)	Electrical and synaptic integration of glioma into neural circuits	VENKATESH, HS UNIVERSITY OF MICHIGAN SYSTEM	NATURE 573 (7775): 539-+ SEP 26 2019 https://www.nature.com/articles/s41586-019-1563-y	48

56	性别差异在奖赏和成瘾相关神经机制中的角色	Sex differences in neural mechanisms mediating reward and addiction	BECKER, JB HARVARD UNIV MEDICAL AFFILIATES	NEUROPSYCHOPHARMACOLOGY 44 (1): 166-183 JAN 2019 https://www.nature.com/articles/s41386-018-0125-6	48
57	综述: 小血管疾病	Small vessel disease: mechanisms and clinical implications	WARDLAW, JM UNIVERSITY OF MUNICH	LANCET NEUROLOGY 18 (7): 684-696 JUL 2019 https://www.sciencedirect.com/science/article/pii/S1474442219300791	47
58	帕金森氏病的致病机制	Triggers, facilitators, and aggravators: redefining Parkinsons disease pathogenesis	JOHNSON, ME VAN ANDEL INSTITUTE	TRENDS IN NEUROSCIENCES 42 (1): 4-13 JAN 2019 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6623978/	46
59	帕金森氏病	Identification of novel risk loci, causal insights, and heritable risk	NALLS, MA VAN ANDEL INSTITUTE	LANCET NEUROLOGY 18 (12): 1091-1102 DEC 2019	45

		for Parkinsons disease: a meta-analysis of genome-wide association studies		https://pubmed.ncbi.nlm.nih.gov/31701892/	
60	美国阿尔茨海默症疾病负担	Racial and ethnic estimates of Alzheimers disease and related dementias in the united states (2015-2060) in adults aged >= 65 years	MATTHEWS, KA CENTERS FOR DISEASE CONTROL & PREVENTION - USA	ALZHEIMERS & DEMENTIA 15 (1): 17-24 JAN 2019 https://www.sciencedirect.com/science/article/pii/S1552526018332527	45
61	阿尔茨海默症	Senolytic therapy alleviates a beta-associated oligodendrocyte progenitor cell senescence and cognitive deficits in an Alzheimers disease model	ZHANG, PS JOHNS HOPKINS UNIVERSITY	NATURE NEUROSCIENCE 22 (5): 719-+ MAY 2019 http://www.nature.com.psych.remotexs.cn/articles/s41593-019-0372-9	43

62	CGRP 预防偏头痛	European headache federation guideline on the use of monoclonal antibodies acting on the calcitonin gene related peptide or its receptor for migraine prevention	SACCO, S CHARITE MEDICAL UNIVERSITY OF BERLIN	J HEADACHE PAIN 20: - JAN 16 2019 https://link.springer.com/article/10.1186/s10194-018-0955-y	42
63	NLRP3 炎症小体与阿尔茨海默症	NLRP3 inflammasome activation drives tau pathology	ISING, C UNIVERSITY OF TEXAS SYSTEM	NATURE 575 (7784): 669-+ NOV 28 2019 https://www.nature.com/articles/s41586-019-1769-z	40
64	衰老与神经退行性疾病	Ageing as a risk factor for neurodegenerative disease	HOU, YJ NATIONAL INSTITUTES OF HEALTH (NIH) - USA	NATURE REVIEWS NEUROLOGY 15 (10): 565-581 OCT 2019 https://www.nature.com/articles/s41582-019-0244-7	40

65	针对皮层细胞的单核 RNA 测序和单细胞 RNA 测序的比较	Single-nucleus and single-cell transcriptomes compared in matched cortical cell types	BAKKEN, TE ALLEN INSTITUTE FOR BRAIN SCIENCE	PLOS ONE 13 (12): - DEC 26 2018 https://journals.plos.org/plosone/article?id=10.1371%2Fjournal.pone.0209648	39
66	脑脊液中的神经丝轻链 (neurofilament light, NFL) 与神经退行性疾病	Diagnostic value of cerebrospinal fluid neurofilament light protein in neurology: a systematic review and meta-analysis	BRIDEL, C AARHUS UNIVERSITY	JAMA NEUROLOGY 76 (9): 1035-1048 SEP 2019 https://pubmed.ncbi.nlm.nih.gov/31206160/	38
67	ABCD 计划的抽样方法和招募程序	Recruiting the ABCD sample: design considerations and procedures	GARAVAN, H UNIVERSITY OF VERMONT	DEVELOPMENTAL COGNITIVE NEUROSCIENCE 32: 16-22 AUG 2018 https://pubmed.ncbi.nlm.nih.gov/29703560/	36

68	成瘾行为	The interaction of person-affect-cognition-execution (I-PACE) model for addictive behaviors: update, generalization to addictive behaviors beyond internet-use disorders, and specification of the process character of addictive behaviors	BRAND, M UNIVERSITY OF DUISBURG ESSEN	NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS 104: 1-10 SEP 2019 https://www.sciencedirect.com/science/article/pii/S0149763419303707	32
69	载脂蛋白 E 与阿尔茨海默症	Apolipoprotein e and Alzheimer disease: pathobiology and targeting strategies	YAMAZAKI, Y MAYO CLINIC	NATURE REVIEWS NEUROLOGY 15 (9): 501-518 SEP 2019 https://pubmed.ncbi.nlm.nih.gov/31367008/	31
70	肌萎缩性脊髓侧索硬化症的免疫功能障碍	Immune dysregulation in amyotrophic lateral sclerosis:	BEERS, DR	LANCET NEUROLOGY 18 (2): 211-220 FEB 2019	30

		mechanisms and emerging therapies	THE METHODIST HOSPITAL - HOUSTON	https://pubmed.ncbi.nlm.nih.gov/30663610/	
71	tau 蛋白生物标记物	Biomarkers for tau pathology	SCHOLL, M UNIVERSITY OF LONDON	MOLECULAR AND CELLULAR NEUROSCIENCE 97: 18-33 SP. ISS. SI JUN 2019 https://www.sciencedirect.com/science/article/pii/S1044743118302331	25
72	弥漫性脑胶质细胞瘤	Genetic and molecular epidemiology of adult diffuse glioma	MOLINARO, AM UNIVERSITY OF CALIFORNIA SAN FRANCISCO	NATURE REVIEWS NEUROLOGY 15 (7): 405-417 JUL 2019 https://pubmed.ncbi.nlm.nih.gov/31227792/	25
73	睡眠与长期记忆形成	Mechanisms of systems memory consolidation during sleep	KLINZING, JG	NATURE NEUROSCIENCE 22 (10): 1598-1610 OCT 2019	25

			EBERHARD KARLS UNIVERSITY HOSPITAL	https://pubmed.ncbi.nlm.nih.gov/31451802/	
74	伤害性刺激的传导	Specialized cutaneous Schwann cells initiate pain sensation	ABDO, H KAROLINSKA INSTITUTET	SCIENCE 365 (6454): 695-+ AUG 16 2019 https://science.sciencemag.org/content/365/6454/695.full	25
75	大脑默认模式网络	The brains default network: updated anatomy, physiology and evolving insights	BUCKNER, RL MASSACHUSETTS GENERAL HOSPITAL	NATURE REVIEWS NEUROSCIENCE 20 (10): 593-608 OCT 2019 https://pubmed.ncbi.nlm.nih.gov/31492945/	25
76	神经肽信号传导	Recent advances in neuropeptide signaling in drosophila, from genes to physiology and behavior	NASSEL, DR BROWN UNIVERSITY	PROGRESS IN NEUROBIOLOGY 179: - AUG 2019	25

				https://www.sciencedirect.com/science/article/pii/S0301008218302144	
77	呼吸道病毒感染与神经系统症状	Neurologic alterations due to respiratory virus infections	BOHMWALD, K PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE	FRONTIERS IN CELLULAR NEUROSCIENCE 12: - OCT 26 2018 https://www.frontiersin.org/articles/10.3389/fncel.2018.00386/full	24
78	阿尔茨海默症的代谢功能障碍	Impaired mitochondrial calcium efflux contributes to disease progression in models of Alzheimers disease	JADIYA, P PENNSYLVANIA COMMONWEALTH SYSTEM OF HIGHER EDUCATION (PCSHE)	NATURE COMMUNICATIONS 10: - AUG 29 2019 https://pubmed.ncbi.nlm.nih.gov/31467276/	24
79	三叉神经痛 (trigeminal neuralgia, TN) 临床管理指导准则	European academy of neurology guideline on trigeminal neuralgia	BENDTSEN, L AARHUS UNIVERSITY	EUROPEAN JOURNAL OF NEUROLOGY 26 (6): 831-849 JUN 2019	24

				https://onlinelibrary.wiley.com/doi/full/10.1111/ene.13950	
80	抗 NMDA 受体脑炎	An update on anti-NMDA receptor encephalitis for neurologists and psychiatrists: mechanisms and models	DALMAU, J UNIVERSITY OF PENNSYLVANIA	LANCET NEUROLOGY 18 (11): 1045-1057 NOV 2019 https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(19)30244-3/fulltext	21
81	帕金森氏病	Update of the MDS research criteria for prodromal Parkinsons disease	HEINZEL, S EBERHARD KARLS UNIVERSITY HOSPITAL	MOVEMENT DISORDERS 34 (10): 1464-1470 OCT 2019 https://pubmed.ncbi.nlm.nih.gov/31412427/	21
82	MRtrix3: 用于医学影像处理、分析和可视化的开源、跨平台软件包	Mrtrix3: a fast, flexible and open software framework for medical image processing and visualisation	TOURNIER, JD UNIVERSITY OF MELBOURNE	NEUROIMAGE 202: - NOV 15 2019 https://www.sciencedirect.com/scien	20

				ce/article/pii/S1053811919307281	
83	新冠肺炎患者的中枢神经系统症状	Central nervous system manifestations of covid-19: a systematic review	ASADI-POOYA, AA JEFFERSON UNIVERSITY	JOURNAL OF THE NEUROLOGICAL SCIENCES 413: - JUN 15 2020 https://www.sciencedirect.com/science/article/pii/S0022510X20301684	19
84	格林-巴利综合征 (guillain barre syndrome) 与新冠肺炎	Guillain barre syndrome associated with covid-19 infection: a case report	SEDAGHAT, Z MAZANDARAN UNIVERSITY MEDICAL SCIENCES	JOURNAL OF CLINICAL NEUROSCIENCE 76: 233-235 JUN 2020 https://pubmed.ncbi.nlm.nih.gov/32312628/	18
85	局部癫痫发作	Safety and efficacy of adjunctive cenobamate (ykp3089) in patients with uncontrolled focal seizures: a	KRAUSS, GL JOHNS HOPKINS UNIVERSITY	LANCET NEUROLOGY 19 (1): 38-48 JAN 2020 https://www.thelancet.com/journals/l	17

		multicentre, double-blind, randomised, placebo-controlled, dose-response trial		aneur/article/PIIS1474-4422(19)30399-0/fulltext	
86	多发性硬化症的药物治疗	Infection risks among patients with multiple sclerosis treated with fingolimod, natalizumab, rituximab, and injectable therapies	LUNA, G UPPSALA UNIVERSITY	JAMA NEUROLOGY 77 (2): 184-191 FEB 2020 https://pubmed.ncbi.nlm.nih.gov/31589278/	16
87	卒中诊治流程 (code stroke) 与新冠肺炎	Protected code stroke hyperacute stroke management during the coronavirus disease 2019 (COVID-19) pandemic	KHOSRAVANI, H MCMaster UNIVERSITY	STROKE 51 (6): 1891-1895 JUN 2020 https://pubmed.ncbi.nlm.nih.gov/32233980/	15
88	脑与微生物群	Microbiota and the social brain	SHERWIN, E UNIVERSITY COLLEGE CORK	SCIENCE 366 (6465): 587-+ NOV 1 2019 https://science.sciencemag.org/conte	15

				nt/366/6465/eaar2016.full	
89	有氧运动干预帕金森氏病的效 果	Effectiveness of home-based and remotely supervised aerobic exercise in parkinsons disease: a double-blind, randomised controlled trial	VAN DER KOLK, NM UNIVERSITY OF AMSTERDAM	LANCET NEUROLOGY 18 (11): 998-1008 NOV 2019 https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(19)30285-6/fulltext	14
90	嗅觉及味觉障碍（smell and taste disorder, STDs）与新冠肺 炎	Acute-onset smell and taste disorders in the context of covid- 19: a pilot multicentre polymerase chain reaction based case-control study	BELTRAN-CORBELLINI, A HOSPITAL UNIVERSITARIO RAMON Y CAJAL	EUROPEAN JOURNAL OF NEUROLOGY : - MAY 16 2020 https://onlinelibrary.wiley.com/doi/full/10.1111/ene.14273	14
91	睡眠障碍与新冠肺炎疫情	Dealing with sleep problems during home confinement due to the COVID-19 outbreak: practical	ALTENA, E UNIVERSITY OF OXFORD	JOURNAL OF SLEEP RESEARCH : - MAY 4 2020 https://pubmed.ncbi.nlm.nih.gov/322	14

		recommendations from a task force of the European CBT-I academy		46787/	
92	神经副肿瘤综合征 (paraneoplastic neurologic syndromes, PNS)	Increased frequency of anti-Ma2 encephalitis associated with immune checkpoint inhibitors	VOGRIG, A UNIVERSITE PARIS SACLAY	NEUROLOGY- NEUROIMMUNOLOGY & NEUROINFLAMMATION 6 (6): - NOV 2019 https://pubmed.ncbi.nlm.nih.gov/31454760/	14
93	肌萎缩性脊髓侧索硬化症	ALS genetics, mechanisms, and therapeutics: where are we now?	MEJZINI, R MURDOCH UNIVERSITY	FRONTIERS IN NEUROSCIENCE 13: - DEC 6 2019 https://pubmed.ncbi.nlm.nih.gov/31866818/	13

94	中国痴呆症的流行病学、临床管理与研究进展	Dementia in China: epidemiology, clinical management, and research advances	JIA, LF ARMY MEDICAL UNIVERSITY	LANCET NEUROLOGY 19 (1): 81-92 JAN 2020 https://www.sciencedirect.com/science/article/pii/S147444221930290X	13
95	癫痫猝死症 (sudden unexpected death in epilepsy, SUDEP)	Clinical risk factors in SUDEP a nationwide population-based case-control study	SVEINSSON, O KAROLINSKA INSTITUTET	NEUROLOGY 94 (4): E419-E429 JAN 28 2020 https://pubmed.ncbi.nlm.nih.gov/31831600/	12
96	大麻使用与神经系统疾病	Cannabinoids and the expanded endocannabinoid system in neurological disorders	CRISTINO, L LAVAL UNIVERSITY	NATURE REVIEWS NEUROLOGY 16 (1): 9-29 JAN 2020 https://pubmed.ncbi.nlm.nih.gov/31831863/	12

97	帕金森氏病	LRRK2 kinase activity regulates lysosomal glucocerebrosidase in neurons derived from Parkinsons disease patients	YSSELSTEIN, D NORTHWESTERN UNIVERSITY	NATURE COMMUNICATIONS 10: - DEC 5 2019 https://pubmed.ncbi.nlm.nih.gov/31804465/	11
98	神经胶质瘤 (glioma)	Microglia/brain macrophages as central drivers of brain tumor pathobiology	GUTMANN, DH WASHINGTON UNIVERSITY (WUSTL)	NEURON 104 (3): 442-449 NOV 6 2019 https://www.sciencedirect.com/science/article/pii/S0896627319307342	10
99	新冠肺炎疫情期间，急性卒中的临床管理	Acute stroke management pathway during Coronavirus-19 pandemic	BARACCHINI, C UNIVERSITY OF PADUA	NEUROLOGICAL SCIENCES 41 (5): 1003-1005 MAY 2020 https://pubmed.ncbi.nlm.nih.gov/32270359/	10
100	干细胞疗法治疗新冠肺炎	Expanded umbilical cord mesenchymal stem cells (UC-	ATLURI, S	PAIN PHYSICIAN 23 (2): E71-E83 MAR-APR 2020	10

		MSCS) as a therapeutic strategy in managing critically ill COVID-19 patients: the case for compassionate use	HARVARD MEDICAL SCHOOL	https://www.painphysicianjournal.com/current/pdf?article=NzAyNA%3D%3D&journal=125	
101	经颅磁刺激激活的神经元类型及刺激参数如何影响神经元反应	Simulation of transcranial magnetic stimulation in head model with morphologically-realistic cortical neurons	ABERRA, AS DUKE UNIVERSITY	BRAIN STIMULATION 13 (1): 175-189 JAN-FEB 2020 https://www.sciencedirect.com/science/article/pii/S1935861X19304097	10
102	新冠肺炎疫情期间，医务工作者的心理状况	Dealing with psychological distress by healthcare professionals during the COVID-19 pandemia	PETZOLD, MB CHARITE MEDICAL UNIVERSITY OF BERLIN	NERVENARZT 91 (5): 417-421 SP. ISS. SI MAY 2020 https://pubmed.ncbi.nlm.nih.gov/32221635/	9

103	新冠肺炎疫情期间，医务工作者的心理状况	Dealing with psychological distress by healthcare professionals during the COVID-19 pandemia	PETZOLD, MB CHARITE MEDICAL UNIVERSITY OF BERLIN	NERVENARZT : - MAR 27 2020 https://pubmed.ncbi.nlm.nih.gov/32221635/	9
104	视神经脊髓炎谱系疾病 (neuromyelitis optica spectrum disorders, NMOSD)	Comparison of the response to rituximab between myelin oligodendrocyte glycoprotein and aquaporin-4 antibody diseases	DUROZARD, P AIX-MARSEILLE UNIVERSITE	ANNALS OF NEUROLOGY 87 (2): 256-266 FEB 2020 https://onlinelibrary.wiley.com/doi/full/10.1002/ana.25648	8
105	新冠肺炎与癫痫发作	New onset acute symptomatic seizure and risk factors in coronavirus disease 2019: a retrospective multicenter study	LU, L WUHAN UNIVERSITY	EPILEPSIA 61 (6): E49-E53 JUN 2020 https://pubmed.ncbi.nlm.nih.gov/32304092/	8
106	美国阿尔茨海默症的疾病负担	2020 Alzheimers disease facts and figures	[ANONYMOUS]	ALZHEIMERS & DEMENTIA 16 (3): 391-460 MAR 2020 https://alz-	8

				journals.onlinelibrary.wiley.com/doi/full/10.1002/alz.12068	
107	新冠肺炎疫情期间，重症肌无力和 Lambert-Eaton 肌无力综合征的临床管理指导方针	Guidance for the management of myasthenia gravis (MG) and lambert-eaton myasthenic syndrome (LEMS) during the COVID-19 pandemic	JACOB, S DUKE UNIVERSITY	JOURNAL OF THE NEUROLOGICAL SCIENCES 412: - MAY 15 2020 https://www.ucy.ac.cy/neurology/documents/MYASTHENIA_GRAVIS_LEMS_COVID19.pdf	7
108	神经系统疾病的全球负担	The global burden of neurological disorders: translating evidence into policy	FEIGIN, VL AUCKLAND UNIVERSITY OF TECHNOLOGY	LANCET NEUROLOGY 19 (3): 255-265 MAR 2020 https://www.sciencedirect.com/science/article/pii/S1474442219304119	7
109	帕金森氏病	Lysosome and inflammatory defects in GBA1-mutant astrocytes	SANYAL, A UNIVERSITY OF OTTAWA	MOVEMENT DISORDERS : - FEB 8 2020	6

		are normalized by LRRK2 inhibition		https://onlinelibrary.wiley.com/doi/full/10.1002/mds.27994	
110	erenumab 对偏头痛的预防作用	Real-life data on the efficacy and safety of erenumab in the Abruzzo region, central Italy	ORNELLO, R ANNUNZIO UNIVERSITY OF CHIETI-PESCARA	JOURNAL OF HEADACHE AND PAIN 21 (1): - APR 7 2020 https://thejournalofheadacheandpain.biomedcentral.com/articles/10.1186/s10194-020-01102-9	6
111	偏头痛的神经影像学研究	Mapping migraine to a common brain network	BURKE, MJ BETH ISRAEL DEACONESS MEDICAL CENTER	BRAIN 143: 541-553 PART 2 FEB 2020 https://academic.oup.com/brain/article/143/2/541/5699253	6