

ESI 中神经科学与行为领域热点论文 信息推送

2019 年 7 月 第 4 期（总第 48 期）

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发布日期：2019 年 7 月 25 日

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ESI 中神经科学与行为领域热点论文信息推送

——基于 2019 年 7 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 2 月至 2019 年 2 月发表的文章中, 在 2019 年 3 月和 4 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 7 月 11 日。

本期发布神经科学与行为领域热点文章 91 篇, 其中首次入榜文章 41 篇。单篇最高被引 400 次, 最低被引 4 次。被引 400 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 41 篇中单篇最高被引 89 次的文章标题为“The dynamic functional connectome: State-of-the-art and perspectives”, 发表在 *NeuroImage* 上, 第一作者是瑞士洛桑联邦理工学院 (Ecole Polytechnique Fédérale de Lausanne, EPFL) 的 Maria Giulia Preti, 该研究探讨了动态功能连接。

本期部分首次入榜文章有:

- 29: 恐惧条件化;
- 31: 睡眠剥夺与大脑;
- 42: 神经接口 (Neural interface);
- 58: 静息态功能 MRI 的运动校正;
- 59: 多巴胺能神经元与经典条件反射;
- 60: 阿尔茨海默症的治疗;
- 62: 类脑器官中长出毛细血管;
- 65: 海马神经发生 (Neurogenesis) 与中枢神经系统功能和疾病状态;
- 67: DeepLabCut——无需标记的深度学习 (动物) 姿态估计与行为跟踪;
- 72: 植物状态、微小意识状态和意识障碍 (Disorders of consciousness) 的临床医护实践指导方针;
- 80: 应激与奖赏的交集;
- 85: 失语症 (Aphasia);

86: 痛觉相关中枢情感环路;

87: 高应激水平的模拟环境可以缓和应激引发的自主反应;

89: 自闭症谱系障碍的诊断与治疗;

90: 神经病理性疼痛与认知受损。

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）。

中科院心理所信息中心

附表：ESI 2019 年 7 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.000000000000158	400
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	240
3	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	LANCET NEUROL 17 (2): 162-173 FEB 2018	215

			PHILADELPHIA	https://www.sciencedirect.com/science/article/pii/S1474442217304702	
4	2018 版美国国家老龄化研究所和阿尔茨海默病学会 (National Institute on Aging—Alzheimer’s Association, NIA-AA) 研究框架	NIA-AA research framework: toward a biological definition of Alzheimers disease	JACK, CR ALZHEIMER&APOS;S ASSOCIATION	ALZHEIMERS DEMENT 14 (4): 535-562 APR 2018 https://www.sciencedirect.com/science/article/pii/S1552526018300724	202
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	181
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-	158

				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	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 2015	FEIGIN, VL ADDIS ABABA UNIV	LANCET NEUROL 16 (11): 877-897 NOV 2017 https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(17)30299-5/fulltext	158
8	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?v	150

				ia%3Dihub	
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	142
10	进行性核上性麻痹 (progressive supranuclear palsy, PSP) 的临 床诊断	Clinical diagnosis of progressive supranuclear palsy: the movement disorder society criteria	HOGLINGER, GU ASSISTANCE PUBLIQUE HOPITAUX PARIS	MOVEMENT DISORD 32 (6): 853- 864 JUN 2017 https://onlinelibrary.wiley.com/doi/full/10.1002/mds.26987	132
11	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	127

12	利用多能干细胞 (Pluripotent stem cell) 技术研究神经系统发育	Assembly of functionally integrated human forebrain spheroids	BIREY, F BD GENOM	NATURE 545 (7652): 54-+ MAY 4 2017 https://www.nature.com/articles/nature22330	108
13	综述: 帕金森氏病的非运动型特征	Non-motor features of Parkinson disease	SCHAPIRA, AHV KINGS COLL HOSP	NAT REV NEUROSCI 18 (7): 435-+ JUL 2017 https://www.nature.com/articles/nrn.2017.62	102
14	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	102
15	可同时记录上百个神经元电活	Fully integrated silicon probes for	JUN, JJ	NATURE 551 (7679): 232-+ NOV 9	102

	动的新型硅探头	high-density recording of neural activity	ALLEN INST BRAIN SCI	2017 https://www.nature.com/articles/nature24636	
16	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/	100
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	95
18	重性抑郁患者大脑皮层的异常: 来自全球 20 个队列研究的结果	Cortical abnormalities in adults and adolescents with major depression based on brain scans from 20 cohorts worldwide in the ENIGMA major	SCHMAAL, L NA-AGAPLES DIAKONIEKLINIKUM ROTENBURG	MOL PSYCHIATR 22 (6): 900-909 JUN 2017 http://enigma.ini.usc.edu/wp-content/uploads/2016/06/mp201660a	95

		depressive disorder working group		.pdf	
19	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	91
20	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	89
21	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	89

22	创伤性脑损伤 (Traumatic brain injury) 的预防、临床护理及相关研究	Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research	MAAS, AIR ALL INDIA INST MED SCI	LANCET NEUROL 16 (12): 987-1048 DEC 2017 https://www.thelancet.com/pdfs/journals/laneur/PIIS1474-4422(17)30371-X.pdf	87
23	静息态功能连接 MRI	Towards a consensus regarding global signal regression for resting state functional connectivity MRI	MURPHY, K CARDIFF UNIV CARDIFF UNIVERSITY	NEUROIMAGE 154: 169-173 JUL 1 2017 https://www.sciencedirect.com/science/article/pii/S1053811916306711	86
24	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/nrneuro.2017.188	83

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	79
26	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	77
27	多发性硬化症	Serum neurofilament light: a biomarker of neuronal damage in multiple sclerosis	DISANTO, G UNIVERSITY OF LONDON, UNIVERSITY COLLEGE LONDON	ANN NEUROL 81 (6): 857-870 JUN 2017 https://onlinelibrary.wiley.com/doi/full/10.1002/ana.24954	77
28	更新美国神经病学学会 (American Academy of	Practice guideline update summary: mild cognitive impairment: report of	PETERSEN, RC NA-CHARLESTON AREA	NEUROLOGY 90 (3): 126-135 JAN 16 2018	72

	Neurology)轻度认知障碍指导方针 (2001 版)	the guideline development, dissemination, and implementation subcommittee of the American Academy of Neurology	MED CTR	http://n.neurology.org/content/90/3/1 26	
29	综述: 恐惧条件化	Don't fear 'fear conditioning': methodological considerations for the design and analysis of studies on human fear acquisition, extinction, and return of fear	LONSDORF, TB AUTONOMOUS UNIVERSITY OF BARCELONA	NEUROSCI BIOBEHAV REV 77: 247-285 JUN 2017 https://www.sciencedirect.com/science/article/pii/S0149763416308466	72
30	阿尔茨海默症	Microglia-derived ASC specks cross-seed amyloid-beta in Alzheimer's disease	VENEGAS, C UNIVERSITY OF MASSACHUSETTS WORCESTER	NATURE 552 (7685): 355-+ DEC 21 2017 https://www.nature.com/articles/nature25158	69
31	综述: 睡眠剥夺与大脑	The sleep-deprived human brain	KRAUSE, AJ UNIVERSITY OF CALIFORNIA BERKELEY	NAT REV NEUROSCI 18 (7): 404- 418 JUL 2017 https://www.nature.com/articles/nrn.2017.55	66

32	多巴胺系统	The dopamine motive system: implications for drug and food addiction	Volkow, ND National Institutes of Health	NAT REV NEUROSCI 18 (12): 741-752 DEC 2017 https://www.nature.com/articles/nrn.2017.130	61
33	低强度经颅电刺激	Low intensity transcranial electric stimulation: safety, ethical, legal regulatory and application guidelines	ANTAL, A AALBORG UNIVERSITYTY	CLIN NEUROPHYSIOL 128 (9): 1774-1809 SEP 2017 https://www.sciencedirect.com/science/article/pii/S1388245717302122	61
34	综述：胰岛素抵抗与 II 型糖尿病和阿尔茨海默症	Brain insulin resistance in type 2 diabetes and Alzheimer disease: concepts and conundrums	ARNOLD, SE CITY UNIVERSITY OF NEW YORK (CUNY) SYSTEM	NAT REV NEUROL 14 (3): 168-181 MAR 2018 https://www.nature.com/articles/nrneuro.2017.185	55
35	运动障碍中震颤 (tremor) 的分	Consensus statement on the	BHATIA, KP	MOVEMENT DISORD 33 (1): 75-	55

	型	classification of tremors. from the task force on tremor of the international parkinson and movement disorder society	IMPERIAL COLL LONDON	87 JAN 2018 https://onlinelibrary.wiley.com/doi/10.1002/mds.27121	
36	社会应激、神经血管病变与抑郁	SOCIAL STRESS INDUCES NEUROVASCULAR PATHOLOGY PROMOTING DEPRESSION	MENARD, C DOUGLAS MENTAL HLTH UNIV INST	NAT NEUROSCI 20 (12): 1752-+ DEC 2017 https://www.nature.com/articles/s41593-017-0010-3	54
37	氯胺酮治疗抑郁	Ketamine blocks bursting in the lateral habenula to rapidly relieve depression	YANG, Y ZHEJIANG UNIV	NATURE 554 (7692): 317-+ FEB 15 2018 http://www.ziint.zju.edu.cn/ueditor/php/upload/file/20180305/1520233072129198.pdf	53
38	综述: 阿尔茨海默症	A systemic view of Alzheimer disease - insights from amyloid-beta metabolism beyond the brain	WANG, J ARMY MEDICAL UNIVERSITY	NAT REV NEUROL 13 (10): 612-623 OCT 2017 https://www.nature.com/articles/nrne	51

				urol.2017.111	
39	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	50
40	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	49
41	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	48

42	神经接口 (Neural interface)	Next-generation probes, particles, and proteins for neural interfacing	RIVNAY, J STANFORD UNIVERSITY	SCIADV 3 (6): - JUN 2017 https://advances.sciencemag.org/content/3/6/e1601649.full	48
43	综述: 利用非侵入性脑刺激研究与调节脑功能	Studying and modifying brain function with non-invasive brain stimulation	POLANIA, R DORTMUND UNIVERSITY OF TECHNOLOGY	NAT NEUROSCI 21 (2): 174-187 FEB 2018 https://www.nature.com/articles/s41593-017-0054-4	46
44	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	37

45	创伤性脑损伤的功能康复	Systemic administration of cell-free exosomes generated by human bone marrow derived mesenchymal stem cells cultured under 2d and 3d conditions improves functional recovery in rats after traumatic brain injury	ZHANG, YL OAKLAND UNIVERSITY	NEUROCHEM INT 111: 69-81 SP. ISS. SI DEC 2017 https://www.sciencedirect.com/science/article/pii/S0197018616302510	37
46	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	34
47	癫痫发作	Multi-day rhythms modulate seizure risk in epilepsy	BAUD, MO CALIFORNIA PACIFIC MEDICAL CENTER; WYSS CTR BIO &	NAT COMMUN 9: - JAN 8 2018 https://www.nature.com/articles/s41467-017-02577-y	34

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48	多巴胺能神经元与帕金森氏病	DOPAMINE NEURON ACTIVITY BEFORE ACTION INITIATION GATES AND INVIGORATES FUTURE MOVEMENTS	DA SILVA, JA COLUMBIA UNIVERSITY	NATURE 554 (7691): 244-+ FEB 8 2018 https://www.nature.com/articles/nature25457	32
49	综述: MOG 脑脊髓炎 (Myelin oligodendrocyte glycoprotein encephalomyelitis, MOG encephalomyelitis)	MOG encephalomyelitis: international recommendations on diagnosis and antibody testing	JARIUS, S CHARITE MEDICAL UNIVERSITY OF BERLIN	J NEUROINFLAMM 15: - MAY 3 2018 https://jneuroinflammation.biomedcentral.com/articles/10.1186/s12974-018-1144-2	31
50	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	30

51	国际帕金森和运动障碍学会： 帕金森氏病运动系统症状的治 疗	International Parkinson and Movement Disorder Society evidence-based medicine review: update on treatments for the motor symptoms of Parkinsons disease	FOX, SH ACADEMIC MEDICAL CENTER AMSTERDAM,UNIVERSIT Y OF AMSTERDAM	MOVEMENT DISORD 33 (8): 1248-1266 AUG 2018 https://www.movementdisorders.org/MDS-Files1/Resources/PDFs/TreatmentsforMotorSymptomsofPD-2018.pdf	29
52	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	29
53	对多巴胺的释放进行可视化	Ultrafast neuronal imaging of dopamine dynamics with designed genetically encoded sensors	PATRIARCHI, T BOSTON UNIVERSITY	SCIENCE 360 (6396): 1420-+ JUN 29 2018 https://science.sciencemag.org/cont	27

				nt/360/6396/eaat4422.full	
54	阿尔茨海默症小鼠模型	Combined adult neurogenesis and BDNF mimic exercise effects on cognition in an Alzheimers mouse model	CHOI, SH COLUMBIA UNIVERSITY	SCIENCE 361 (6406): 991-+ SEP 7 2018 http://science.sciencemag.org/content/361/6406/eaan8821.full	26
55	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	25
56	心理学研究中的可重复问题	Making replication mainstream	ZWAAN, RA ERASMUS UNIVERSITY ROTTERDAM	BEHAV BRAIN SCI 41: - 2018 https://www.cambridge.org/core/services/aop-cambridge-core/content/view/2E3D8805BF3492	24

				7A76B963C7BBE36AC7/S0140525X17001972a.pdf/making_replication_mainstream.pdf	
57	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	21
58	静息态功能 MRI 的运动校正	An evaluation of the efficacy, reliability, and sensitivity of motion correction strategies for resting-state functional MRI	PARKES, L MONASH UNIVERSITY	NEUROIMAGE 171: 415-436 MAY 1 2018 https://www.sciencedirect.com/science/article/pii/S1053811917310972	20
59	多巴胺能神经元与经典条件反射	Dopamine neurons create Pavlovian conditioned stimuli with circuit-defined motivational properties	SAUNDERS, BT JOHNS HOPKINS MEDICINE	NAT NEUROSCI 21 (8): 1072-+ AUG 2018 https://www.nature.com/articles/s415	19

				93-018-0191-4	
60	综述：阿尔茨海默症的治疗	Tau-targeting therapies for Alzheimer disease	CONGDON, EE NEW YORK UNIVERSITY	NAT REV NEUROL 14 (7): 399-415 JUL 2018 https://www.nature.com/articles/s41582-018-0013-z	19
61	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	18
62	类脑器官中长出毛细血管	Generation of human vascularized brain organoids	PHAM, MT UNIVERSITY OF CALIFORNIA DAVIS	NEUROREPORT 29 (7): 588-593 MAY 2 2018 https://journals.lww.com/neuroreport/Abstract/2018/05010/Generation_of_human_vascularized_brain_organoids	18

				ds.12.aspx	
63	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	17
64	继发于单纯性疱疹性脑炎的自身免疫性脑炎	Frequency, symptoms, risk factors, and outcomes of autoimmune encephalitis after herpes simplex encephalitis: a prospective observational study and retrospective analysis	ARMANGUE, T CATALAN INST RES & ADV STUDIES ICREA;UNIVERSITY OF SASSARI	LANCET NEUROL 17 (9): 760-772 SEP 2018 https://www.sciencedirect.com/science/article/pii/S1474442218302448	16
65	海马神经发生 (Neurogenesis) 与中枢神经系统功能和疾病状态	The role of adult hippocampal neurogenesis in brain health and disease	TODA, T SALK INSTITUTE	MOL PSYCHIATR 24 (1): 67-87 JAN 2019 https://www.nature.com/articles/s41380-018-0036-2	15

				hai	
66	蛋白病变与神经系统退行性病 变	Neurodegenerative disease concomitant proteinopathies are prevalent, age-related and APOE4- associated	ROBINSON, JL UNIVERSITY OF PENNSYLVANIA	BRAIN 141: 2181-2193 PART 7 JUL 2018 https://academic.oup.com/brain/article/141/7/2181/5033683	15
67	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	14
68	睡眠质量与良性阵发性位置性 眩晕（Benign paroxysmal positional vertigo）	Assessment of sleep quality in benign paroxysmal positional vertigo recurrence	WANG, Y CAPITAL MEDICAL UNIVERSITY	INT J NEUROSCI 128 (12): 1143- 1149 DEC 2 2018 https://www.tandfonline.com/doi/full/10.1080/00207454.2018.1486835	14
69	综述：生活方式干预与认知受	Lifestyle interventions to prevent	KIVIPELTO, M	NAT REV NEUROL 14 (11): 653-	13

	损、痴呆、阿尔茨海默症	cognitive impairment, dementia and Alzheimer disease	FINLAND NATIONAL INSTITUTE FOR HEALTH & WELFARE	666 NOV 2018 https://www.nature.com/articles/s41582-018-0070-3	
70	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	12
71	降钙素基因相关肽（CGRP）及其受体与偏头痛	Distribution of CGRP and CGRP receptor components in the rat brain	WARFVINGE, K LUND UNIVERSITY	CEPHALALGIA 39 (3): 342-353 MAR 2019 https://journals.sagepub.com/doi/abs/10.1177/0333102417728873?journalCode=cepa	12
72	植物状态、微小意识状态和意	Practice guideline update	GIACINO, JT	NEUROLOGY 91 (10): 450-460	11

	识障碍 (Disorders of consciousness) 的临床医护实践指导方针	recommendations summary: disorders of consciousness report of the guideline development, dissemination, and implementation subcommittee of the American academy of neurology, the American congress of rehabilitation medicine, and the national institute on disability, independent living, and rehabilitation research	BOSTON UNIVERSITY	SEP 4 2018 https://n.neurology.org/content/91/10/450	
73	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	11
74	外伤性脊髓损伤的修复	Exosomes derived from bone	LIU, W	J NEUROTRAUMA 36 (3): 469-484	10

		mesenchymal stem cells repair traumatic spinal cord injury by suppressing the activation of A1 neurotoxic reactive astrocytes	JIANGNAN UNIVERSITY	FEB 2019 http://web.b.ebscohost.com/ehost/detail/detail?vid=6&sid=6e0f4d61-c1a4-4922-aeb9-c466214aead5%40pdc-v-sessmgr02&bdata=Jmxhbmc9emgtY24mc2l0ZT1laG9zdC1saXZl#AN=2019-04170-004&db=psyh	
75	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	10
76	TDP-43 蛋白与额颞叶退行性病变	Patient-derived frontotemporal lobar degeneration brain extracts induce formation and spreading of TDP-43	PORTA, S UNIVERSITY OF PENNSYLVANIA	NAT COMMUN 9: - OCT 11 2018 https://www.nature.com/articles/s41467-018-06548-9	10

		pathology in vivo			
77	阿尔茨海默症	Tau filaments from multiple cases of sporadic and inherited Alzheimers disease adopt a common fold	FALCON, B INDIANA UNIVERSITY SYSTEM	ACTA NEUROPATHOL 136 (5): 699-708 NOV 2018 https://link.springer.com/article/10.1007/s00401-018-1914-z	9
78	急性播散性脑脊髓炎 (Acute disseminated encephalomyelitis)	Association of MOG-igG serostatus with relapse after acute disseminated encephalomyelitis and proposed diagnostic criteria for MOG-igG-associated disorders	LOPEZ-CHIRIBOGA, AS MAYO CLINIC	JAMA NEUROL 75 (11): 1355-1363 NOV 2018 http://web.a.ebscohost.com/ehost/detail/detail?vid=4&sid=f9e797e7-a275-496d-83b6-0f630e537233%40sessionmgr4006&bdata=Jmxhbmc9emgtY24mc2l0ZT1laG9zdC1saXZl#AN=30014148&db=cmedm	9
79	偏头痛与丛集性头痛 (Cluster	Neurovascular mechanisms of	HOFFMANN, J	J CEREBR BLOOD FLOW	8

	headache) 的神经血管机制	migraine and cluster headache	UNIVERSITY OF COLORADO HEALTH SCIENCE CENTER	METABOL 39 (4): 573-594 SP. ISS. SI APR 2019 https://journals.sagepub.com/doi/full/ 10.1177/0271678X17733655	
80	综述: 应激与奖赏的交集	The intersection of stress and reward: BNST modulation of aversive and appetitive states	CHNG, S FLOREY INSTITUTE OF NEUROSCIENCE & MENTAL HEALTH;	PROG NEURO-PSYCH BIOL PSYCH 87: 108-125 PART A DEC 20 2018 https://www.sciencedirect.com/scien ce/article/pii/S0278584617306309	8
81	多发性硬化症	Brain mapping in multiple sclerosis: lessons learned about the human brain	FILIPPI, M VITA-SALUTE SAN RAFFAELE UNIVERSITY	NEUROIMAGE 190: 32-45 SP. ISS. SI APR 15 2019 https://www.sciencedirect.com/scien ce/article/pii/S1053811917307693	8
82	创伤性脑损伤与出血性休克	Mesenchymal stem cell-derived	WILLIAMS, AM	J NEUROTRAUMA 36 (1): 54-60	7

		exosomes provide neuroprotection and improve long-term neurologic outcomes in a swine model of traumatic brain injury and hemorrhagic shock	UNIVERSITY OF MICHIGAN SYSTEM	JAN 1 2019 https://www.liebertpub.com/doi/pdf/10.1089/neu.2018.5711	
83	动作的神经影像研究	Neural correlates of action: comparing meta-analyses of imagery, observation, and execution	HARDWICK, RM HEINRICH HEINE UNIVERSITY DUSSELDORF	NEUROSCI BIOBEHAV REV 94: 31-44 NOV 2018 https://www.sciencedirect.com/science/article/pii/S0149763417309284	7
84	精神分裂症患者的白质功能网络	White-matter functional networks changes in patients with schizophrenia	JIANG, YC UNIVERSITY OF ELECTRONIC SCIENCE & TECHNOLOGY OF CHINA	NEUROIMAGE 190: 172-181 SP. ISS. SI APR 15 2019 https://www.sciencedirect.com/science/article/pii/S1053811918303148	6
85	失语症 (Aphasia)	Neuroimaging of stroke recovery from aphasia - insights into plasticity	HARTWIGSEN, G MAX PLANCK SOCIETY	NEUROIMAGE 190: 14-31 SP. ISS. SI APR 15 2019	6

		of the human language network		https://www.sciencedirect.com/science/article/pii/S1053811917310005	
86	痛觉相关中枢情感环路	An amygdalar neural ensemble that encodes the unpleasantness of pain	CORDER, G UNIVERSITY OF ZURICH	SCIENCE 363 (6424): 276-+ JAN 18 2019 https://science.sciencemag.org/content/363/6424/276.full	5
87	高应激水平的模拟环境可以缓和应激引发的自主反应	Psychophysiological response of air mobile protection teams in an air accident manoeuvre	HORMENO-HOLGADO, AJ EUROPEAN UNIVERSITY OF MADRID	PHYSIOL BEHAV 199: 79-83 FEB 1 2019 https://www.sciencedirect.com/science/article/pii/S0031938418309077	5
88	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	5

89	自闭症谱系障碍的诊断与治疗	Amino acid dysregulation metabotypes: potential biomarkers for diagnosis and individualized treatment for subtypes of autism spectrum disorder	SMITH, AM UNIVERSITY OF CALIFORNIA SYSTEM	BIOL PSYCHIAT 85 (4): 345-354 FEB 15 2019 https://www.sciencedirect.com/science/article/pii/S0006322318317931	5
90	神经病理性疼痛与认知受损	Ultra-micronized palmitoylethanolamide rescues the cognitive decline-associated loss of neural plasticity in the neuropathic mouse entorhinal cortex-dentate gyrus pathway	BOCCELLA, S UNIVERSITY OF SANNIO	NEUROBIOL DISEASE 121: 106- 119 JAN 2019 https://www.sciencedirect.com/science/article/pii/S0969996118303413	4
91	线粒体自噬 (Mitophagy) 与阿尔茨海默症	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	4

