

# ESI 中神经科学与行为领域热点论文 信息推送

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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 3 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 2016 年 10 月至 2018 年 10 月发表的文章中，在 2018 年 11 月和 12 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 3 月 14 日。

本期发布神经科学与行为领域热点文章 100 篇，其中首次入榜文章 50 篇。单篇最高被引 436 次，最低被引 4 次。被引 436 次的文章发表在 *Nature* 上，标题为“Neurotoxic reactive astrocytes are induced by activated microglia”，第一作者为斯坦福大学医学院的 Shane A. Liddelow，研究讨论了反应性星形胶质细胞与活化小胶质细胞。首次入榜的 50 篇中单篇最高被引 62 次的文章标题为“Building better biomarkers: brain models in translational neuroimaging”，发表在 *Nature Neuroscience* 上，第一作者是韩国基础科学研究所 (Institute for Basic Science) 的 Choong-Wan Woo，该研究探讨了基于神经影像学中的脑模型来构建更佳的生物学标记物。

部分首次入榜文章有：

- 28: 基于生物学标记物对阿尔茨海默症进行早期诊断;
- 37: 有关神经反馈训练的综述;
- 42: 有关皮质醇应激反应与精神障碍的综述;
- 48: 从脑的结构和功能的角度讨论情感;
- 50: 人类个体脑功能图谱;
- 53: 利用纤维束成像技术研究人脑连接组;
- 61: 情感与意识;
- 62: 综述—利用非侵入性脑刺激技术研究调节脑功能;
- 72: 有关海马细胞记忆痕迹再现的综述;
- 76: 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;
- 77: 光与警觉度 (Alertness);
- 85: 皮克氏病 (Pick's disease);
- 87: 阿尔茨海默症小鼠模型;
- 88: 人类进食行为的实验室研究;

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90: 基于 g-ratio 的 MRI 成像;

94: 哺乳动物大脑皮层层状起源;

97: 利用弥散加权磁共振波谱 (DW-MRS) 研究参与神经系统发育和退行性病变的细胞微结构;

99: 光学相干层析成像 (Optical coherence tomography, OCT) 与临床孤立综合征 (Clinically isolated syndrome)。

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 3 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	反应性星形胶质细胞与活化小胶质细胞	Neurotoxic reactive astrocytes are induced by activated microglia	LIDDELOW, SA NA-ADRIENNE HELIS MALVIN MED RES FDN	NATURE 541 (7638): - JAN 26 2017 <a href="http://www.nature.com/nature/journal/v541/n7638/abs/nature21029.html">http://www.nature.com/nature/journal/v541/n7638/abs/nature21029.html</a>	436
2	国际抗癫痫联盟（International League Against Epilepsy, ILAE）更新癫痫分类学	ILAE classification of the epilepsies: position paper of the ILAE commission for classification and terminology	SCHEFFER, IE ALBERT EINSTEIN COLL MED	EPILEPSIA 58 (4): 512-521 APR 2017 <a href="http://onlinelibrary.wiley.com/doi/10.1111/epi.13709/full">http://onlinelibrary.wiley.com/doi/10.1111/epi.13709/full</a>	220
3	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	POWERS, WJ -	STROKE 49 (3): E46-E110 MAR 2018 <a href="https://www.ahajournals.org/doi/10.1161/STR.000000000000158">https://www.ahajournals.org/doi/10.1161/STR.000000000000158</a>	186

		American Heart Association/American Stroke Association			
4	国际抗癫痫联盟 (International league against epilepsy, ILAE) 就癫痫发作类型发布修订版指导意见	Operational classification of seizure types by the international league against epilepsy: position paper of the ILAE commission for classification and terminology	FISHER, RS ALBERT EINSTEIN COLL MED	EPILEPSIA 58 (4): 522-530 APR 2017 <a href="http://onlinelibrary.wiley.com/doi/10.1111/epi.13670/full">http://onlinelibrary.wiley.com/doi/10.1111/epi.13670/full</a>	177
5	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 <a href="http://n.neurology.org/content/neurology/89/1/88.full.pdf">http://n.neurology.org/content/neurology/89/1/88.full.pdf</a>	166
6	经颅直流电刺激治疗性使用的循证指导方针	Evidence-based guidelines on the therapeutic use of transcranial direct current stimulation (tDCS)	LEFAUCHEUR, JP ASSISTANCE PUBLIQUE HOPITAUX PARIS	CLIN NEUROPHYSIOL 128 (1): 56-92 JAN 2017 <a href="http://www.sciencedirect.com/scienc">http://www.sciencedirect.com/scienc</a>	150

				<a href="https://www.nature.com/articles/nrn.2016.150">e/article/pii/S1388245716306344</a>	
7	综述：语义认知（Semantic cognition）的认知与神经计算机制	The neural and computational bases of semantic cognition	RALPH, MAL MRC	NAT REV NEUROSCI 18 (1): 42-55 JAN 2017 <a href="https://www.nature.com/articles/nrn.2016.150">https://www.nature.com/articles/nrn.2016.150</a>	132
8	综述：网络神经科学	Network neuroscience	BASSETT, DS INDIANA UNIV BLOOMINGTON	NAT NEUROSCI 20 (3): 353-364 MAR 2017 <a href="https://www.ncbi.nlm.nih.gov/labs/articles/28230844/">https://www.ncbi.nlm.nih.gov/labs/articles/28230844/</a>	117
9	神经影像研究结果的可靠性	Scanning the horizon: towards transparent and reproducible neuroimaging research	POLDRACK, RA CEA	NAT REV NEUROSCI 18 (2): 115-126 FEB 2017 <a href="https://www.nature.com/articles/nrn.2016.167">https://www.nature.com/articles/nrn.2016.167</a>	115
10	2017 版多发性硬化症诊断的	Diagnosis of multiple sclerosis: 2017	THOMPSON, AJ	LANCET NEUROL 17 (2): 162-173	109

	McDonald 标准	revisions of the Mcdonald criteria	CHILDRENS HOSP PHILADELPHIA	FEB 2018 <a href="https://www.sciencedirect.com/science/article/pii/S1474442217304702">https://www.sciencedirect.com/science/article/pii/S1474442217304702</a>	
11	神经科学中的行为学研究	Neuroscience needs behavior: correcting a reductionist bias	KRAKAUER, JW CSIC	NEURON 93 (3): 480-490 FEB 8 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0896627316310406">https://www.sciencedirect.com/science/article/pii/S0896627316310406</a>	107
12	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 <a href="http://science.sciencemag.org/content/357/6350/503">http://science.sciencemag.org/content/357/6350/503</a>	106
13	综述: 细胞自噬 (Autophagy) 与神经退行性病变	Autophagy and neurodegeneration: pathogenic mechanisms and therapeutic opportunities	MENZIES, FM ELI LILLY	NEURON 93 (5): 1015-1034 MAR 8 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0896627317300466">https://www.sciencedirect.com/science/article/pii/S0896627317300466</a>	103

14	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 <a href="https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(17)30299-5/fulltext">https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(17)30299-5/fulltext</a>	99
15	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 <a href="http://iobs.fudan.edu.cn/Assets/userfiles/sys_eb538c1c-65ff-4e82-8e6a-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">http://iobs.fudan.edu.cn/Assets/userfiles/sys_eb538c1c-65ff-4e82-8e6a-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</a>	95



16	在培养基中维持 9 个多月的人脑类器官 (Organoids)	Cell diversity and network dynamics in photosensitive human brain organoids	QUADRATO, G BROAD INST	NATURE 545 (7652): 48-+ MAY 4 2017 <a href="https://www.nature.com/articles/nature22047">https://www.nature.com/articles/nature22047</a>	94
17	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 <a href="https://academic.oup.com/neuro-oncology/article/19/suppl_5/v1/4596648">https://academic.oup.com/neuro-oncology/article/19/suppl_5/v1/4596648</a>	91
18	环状 RNA (circRNA)、微小核昔酸 (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 <a href="http://science.sciencemag.org/content/early/2017/08/09/science.aam8526.f">http://science.sciencemag.org/content/early/2017/08/09/science.aam8526.f</a>	86

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19	基于神经影像技术预测单个个体所患脑疾病的类型	Single subject prediction of brain disorders in neuroimaging: promises and pitfalls	ARBABSHIRANI, MR CHINESE ACAD SCI	NEUROIMAGE 145: 137-165 PART B SP. ISS. SI JAN 15 2017 <a href="https://www.sciencedirect.com/science/article/pii/S105381191600210X">https://www.sciencedirect.com/science/article/pii/S105381191600210X</a>	85
20	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 <a href="https://www.sciencedirect.com/science/article/pii/S1552526018300724">https://www.sciencedirect.com/science/article/pii/S1552526018300724</a>	79
21	执行功能	Unity and diversity of executive functions: individual differences as a window on cognitive structure	FRIEDMAN, NP UNIVERSITY OF COLORADO BOULDER,UNIVERSITY OF COLORADO SYSTEM	CORTEX 86: 186-204 JAN 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0010945216301071">https://www.sciencedirect.com/science/article/pii/S0010945216301071</a>	72

22	源自诱导多能干细胞 (iPSCs) 的人小神经胶质细胞样细胞	IPSC-Derived human microglia-like cells to study neurological diseases	ABUD, EM MCGILL UNIVERSITY	NEURON 94 (2): 278-+ APR 19 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0896627317302866">https://www.sciencedirect.com/science/article/pii/S0896627317302866</a>	69
23	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 <a href="https://www.nature.com/articles/nature24636">https://www.nature.com/articles/nature24636</a>	65
24	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 <a href="https://www.ncbi.nlm.nih.gov/pubmed/28959956/">https://www.ncbi.nlm.nih.gov/pubmed/28959956/</a>	65
25	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 <a href="https://www.cell.com/neuron/fulltext/S0896-6273(17)30647-5">https://www.cell.com/neuron/fulltext/S0896-6273(17)30647-5</a>	65

26	功能连接中运动伪迹的控制	Benchmarking of participant-level confound regression strategies for the control of motion artifact in studies of functional connectivity	CIRIC, R CORNELL UNIV	NEUROIMAGE 154: 174-187 JUL 1 2017 <a href="https://www.sciencedirect.com/science/article/pii/S1053811917302288">https://www.sciencedirect.com/science/article/pii/S1053811917302288</a>	63
27	构建更佳生物标记物：神经影像学中的脑模型	Building better biomarkers: brain models in translational neuroimaging	WOO, CW DARTMOUTH COLLEGE; UNIVERSITY OF COLORADO SYSTEM	NAT NEUROSCI 20 (3): 365-377 MAR 2017 <a href="https://www.nature.com/articles/nn.4478">https://www.nature.com/articles/nn.4478</a>	62
28	基于生物标记物对阿尔茨海默症进行早期诊断	Strategic roadmap for an early diagnosis of Alzheimers disease based on biomarkers	FRISONI, GB ACADEMIC MEDICAL CENTER AMSTERDAM, UNIVERSIT Y OF AMSTERDAM	LANCET NEUROL 16 (8): 661-676 AUG 2017 <a href="https://www.sciencedirect.com/science/article/pii/S147444221730159X">https://www.sciencedirect.com/science/article/pii/S147444221730159X</a>	61

29	综述：氧化应激与线粒体功能障碍相关神经退行性疾病	Oxidative stress and mitochondrial dysfunction-linked neurodegenerative disorders	ISLAM, MT NA-SUB;UNIVERSIDADE FEDERAL DO PIAUI	NEUROL RES 39 (1): 73-82 JAN 2017 <a href="https://www.tandfonline.com/doi/full/10.1080/01616412.2016.1251711">https://www.tandfonline.com/doi/full/10.1080/01616412.2016.1251711</a>	61
30	预先医疗计划（advance care planning, ACP），即提前制定医疗计划，以便在自己不能作或说自己的决定时使用	Defining advance care planning for adults: a consensus definition from a multidisciplinary delphi panel	SUDORE, RL NA-COALIT COMPASSIONATE CARE CALIF	J PAIN SYMPTOM MANAGE 53 (5): 821-+ MAY 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0885392416312325">https://www.sciencedirect.com/science/article/pii/S0885392416312325</a>	61
31	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 <a href="http://www.smrjournal.com/article/S1087-">http://www.smrjournal.com/article/S1087-</a>	60

				<a href="#">0792(16)30064-8/abstract</a>	
32	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 <a href="https://link.springer.com/article/10.1007%2Fs00702-017-1686-y">https://link.springer.com/article/10.1007%2Fs00702-017-1686-y</a>	57
33	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 <a href="https://www.sciencedirect.com/science/article/pii/S1552526018300414?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S1552526018300414?via%3Dihub</a>	56
34	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 <a href="https://www.sciencedirect.com/science/article/pii/S0896627317306529">https://www.sciencedirect.com/science/article/pii/S0896627317306529</a>	56

35	下丘脑弓状核和下丘脑正中隆起的细胞类型	A molecular census of arcuate hypothalamus and median eminence cell types	CAMPBELL, JN HARVARD UNIVERSITY	NAT NEUROSCI 20 (3): 484-496 MAR 2017 <a href="https://www.nature.com/articles/nn.4495">https://www.nature.com/articles/nn.4495</a>	55
36	神经丝蛋白与神经退行性疾病	Association of plasma neurofilament light with neurodegeneration in patients with alzheimer disease	MATTSSON, N LUND UNIVERSITY	JAMA NEUROL 74 (5): 557-566 MAY 2017 <a href="https://jamanetwork.com/journals/jamaneurology/fullarticle/2611175?resultClick=3">https://jamanetwork.com/journals/jamaneurology/fullarticle/2611175?resultClick=3</a>	54
37	综述：神经反馈训练	Closed-loop brain training: the science of neurofeedback	SITARAM, R NA-AFFIDEA CTR DIAGNOST RADIOL	NAT REV NEUROSCI 18 (2): 86-100 FEB 2017	53

			CAROUGE CDRC;WYSS CTR BIO & NEUROENGN;UNIVERSIT Y OF ZURICH	<a href="https://www.nature.com/articles/nrn.2016.164">https://www.nature.com/articles/nrn.2016.164</a>	
38	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 <a href="https://www.nature.com/articles/nature25456">https://www.nature.com/articles/nature25456</a>	53
39	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 <a href="https://www.nature.com/articles/nature26000">https://www.nature.com/articles/nature26000</a>	52
40	人、鼠诱导多能干细胞分化成小胶质细胞样细胞	Differentiation of human and murine induced pluripotent stem cells to microglia-like cells	PANDYA, H NATL HUMAN GENOME RES INST (NHGRI)	NAT NEUROSCI 20 (5): 753-+ MAY 2017 <a href="https://www.nature.com/articles/nn.4">https://www.nature.com/articles/nn.4</a>	51



				534	
41	阿尔茨海默症	Microglia-derived asc specks cross-seed amyloid-beta in alzheimers disease	VENEGAS, C UNIVERSITY OF MASSACHUSETTS WORCESTER	NATURE 552 (7685): 355-+ DEC 21 2017 <a href="https://www.nature.com/articles/nature25158">https://www.nature.com/articles/nature25158</a>	50
42	综述: 皮质醇应激反应与精神障碍	Cortisol stress reactivity across psychiatric disorders: a systematic review and meta-analysis	ZORN, JV UNIVERSITY OF GRONINGEN	PSYCHONEUROENDOCRINOLOGY 77: 25-36 MAR 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0306453016304735">https://www.sciencedirect.com/science/article/pii/S0306453016304735</a>	48
43	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 <a href="https://www.nature.com/articles/nrneuro.2017.188">https://www.nature.com/articles/nrneuro.2017.188</a>	47

44	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 <a href="https://www.nature.com/articles/nn.4597">https://www.nature.com/articles/nn.4597</a>	47
45	综述：神经元细胞分类	Neuronal cell-type classification: challenges, opportunities and the path forward	ZENG, HK ALLEN INST BRAIN SCI	NAT REV NEUROSCI 18 (9): 530-546 SEP 2017 <a href="https://www.ncbi.nlm.nih.gov/labs/articles/28775344/">https://www.ncbi.nlm.nih.gov/labs/articles/28775344/</a>	47
46	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 <a href="http://science.sciencemag.org/content/359/6376/679.full">http://science.sciencemag.org/content/359/6376/679.full</a>	47
47	创伤性脑损伤 (Traumatic brain	Traumatic brain injury: integrated	MAAS, AIR	LANCET NEUROL 16 (12): 987-	46

	injury) 的预防、临床护理及相关研究	approaches to improve prevention, clinical care, and research	ALL INDIA INST MED SCI	1048 DEC 2017 <a href="https://www.thelancet.com/pdfs/journals/laneur/PIIS1474-4422(17)30371-X.pdf">https://www.thelancet.com/pdfs/journals/laneur/PIIS1474-4422(17)30371-X.pdf</a>	
48	从脑的结构和功能的角度讨论情感	The theory of constructed emotion: an active inference account of interoception and categorization	BARRETT, LF HARVARD UNIVERSITY	SOC COGN AFFECT NEUROSCI 12 (1): 1-23 JAN 2017 <a href="https://www.affective-science.org/pubs/2017/barrett-tce-scan-2017.pdf">https://www.affective-science.org/pubs/2017/barrett-tce-scan-2017.pdf</a>	43
49	肠道微生物组改变与阿尔茨海默症	Gut microbiome alterations in alzheimers disease	VOGT, NM GERIATRIC RESEARCH EDUCATION & CLINICAL CENTER	SCI REP 7: - OCT 19 2017 <a href="https://www.nature.com/articles/s41598-017-13601-y">https://www.nature.com/articles/s41598-017-13601-y</a>	43

50	人类个体脑功能图谱	Precision functional mapping of individual human brains	GORDON, EM BAYLOR UNIVERSITY	NEURON 95 (4): 791-+ AUG 16 2017 <a href="https://www.cell.com/neuron/fulltext/S0896-6273(17)30613-X">https://www.cell.com/neuron/fulltext/S0896-6273(17)30613-X</a>	42
51	小胶质细胞与阿尔茨海默症	Late onset Alzheimers disease genetics implicates microglial pathways in disease risk	EFTHYMIU, AG ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	MOL NEURODEGENER 12: - MAY 29 2017 <a href="https://molecularneurodegeneration.biomedcentral.com/articles/10.1186/s13024-017-0184-x">https://molecularneurodegeneration.biomedcentral.com/articles/10.1186/s13024-017-0184-x</a>	40
52	运动障碍中震颤（tremor）的类型	Consensus statement on the classification of tremors. from the task force on tremor of the international parkinson and	BHATIA, KP IMPERIAL COLL LONDON	MOVEMENT DISORD 33 (1): 75- 87 JAN 2018 <a href="https://onlinelibrary.wiley.com/doi/10.1002/mds.27121">https://onlinelibrary.wiley.com/doi/10.1002/mds.27121</a>	38

		movement disorder society			
53	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 <a href="https://www.nature.com/articles/s41467-017-01285-x">https://www.nature.com/articles/s41467-017-01285-x</a>	37
54	神经突密度成像与弥散各向异性成像	Neurite density imaging versus imaging of microscopic anisotropy in diffusion mri: a model comparison using spherical tensor encoding	LAMPINEN, B LUND UNIVERSITY	NEUROIMAGE 147: 517-531 FEB 15 2017 <a href="https://www.sciencedirect.com/science/article/pii/S105381191630670">https://www.sciencedirect.com/science/article/pii/S105381191630670</a> X	36
55	更新美国神经病学学会 (American Academy of Neurology)轻度认知障碍指导方针 (2001 版)	Practice guideline update summary: mild cognitive impairment: report of the guideline development, dissemination, and implementation	PETERSEN, RC NA-CHARLESTON AREA MED CTR	NEUROLOGY 90 (3): 126-135 JAN 16 2018 <a href="http://n.neurology.org/content/90/3/126">http://n.neurology.org/content/90/3/126</a>	34

		subcommittee of the American Academy of Neurology			
56	催产素与社会奖赏	Gating of social reward by oxytocin in the ventral tegmental area	HUNG, LW FLOREY INSTITUTE OF NEUROSCIENCE & MENTAL HEALTH;STANFORD UNIVERSITY	SCIENCE 357 (6358): 1406-1411 SEP 29 2017 <a href="http://science.sciencemag.org/content/357/6358/1406.full">http://science.sciencemag.org/content/357/6358/1406.full</a>	32
57	人脑单细胞基因表达图谱	Spatiotemporal gene expression trajectories reveal developmental hierarchies of the human cortex	NOWAKOWSKI, TJ NA-FLUIDIGM	SCIENCE 358 (6368): 1318-1323 DEC 8 2017 <a href="http://science.sciencemag.org/content/358/6368/1318.full">http://science.sciencemag.org/content/358/6368/1318.full</a>	31
58	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 <a href="https://www.nature.com/articles/nrn.2017.130">https://www.nature.com/articles/nrn.2017.130</a>	31

59	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 <a href="http://science.sciencemag.org/content/360/6385/176.full">http://science.sciencemag.org/content/360/6385/176.full</a>	31
60	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 <a href="http://www.ziint.zju.edu.cn/ueditor/php/upload/file/20180305/1520233072129198.pdf">http://www.ziint.zju.edu.cn/ueditor/php/upload/file/20180305/1520233072129198.pdf</a>	29
61	情感与意识	A higher-order theory of emotional consciousness	LEDOUX, JE CITY UNIVERSITY OF NEW YORK (CUNY) SYSTEM	PROC NAT ACAD SCI USA 114 (10): E2016-E2025 MAR 7 2017 <a href="https://www.pnas.org/content/114/10/E2016">https://www.pnas.org/content/114/10/E2016</a>	28

62	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 <a href="https://www.nature.com/articles/s41593-017-0054-4">https://www.nature.com/articles/s41593-017-0054-4</a>	27
63	经颅电刺激大脑回路对大鼠和人类的直接影响	Direct effects of transcranial electric stimulation on brain circuits in rats and humans	Voroslakos, M Szeged University	NAT COMMUN 9: - FEB 2 2018 <a href="https://www.nature.com/articles/s41467-018-02928-3.pdf">https://www.nature.com/articles/s41467-018-02928-3.pdf</a>	26
64	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 <a href="https://www.nature.com/articles/s41586-018-0119-x">https://www.nature.com/articles/s41586-018-0119-x</a>	25
65	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	Multiscale analysis of independent Alzheimers cohorts finds disruption	Readhead, B Icahn School of Medicine at	NEURON 99 (1): 64-+ JUL 11 2018	24



	子、基因和临床网络的破坏	of molecular, genetic, and clinical networks by human herpesvirus	Mount Sinai	<a href="https://www.sciencedirect.com/science/article/pii/S0896627318304215">https://www.sciencedirect.com/science/article/pii/S0896627318304215</a>	
66	光遗传技术在亚细胞水平的应用	Optogenetic tools for subcellular applications in neuroscience	ROST, BR BERNSTEIN CTR COMPUTAT NEUROSCI;UNIVERSITY OF FREIBURG	NEURON 96 (3): 572-603 NOV 1 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0896627317309169">https://www.sciencedirect.com/science/article/pii/S0896627317309169</a>	23
67	前额叶皮层、躯体感觉皮层与触觉工作记忆	The causal role of the prefrontal cortex and somatosensory cortex in tactile working memory	ZHAO, D EAST CHINA NORMAL UNIVERSITY	CEREB CORTEX 28 (10): 3468-3477 OCT 2018 <a href="https://academic.oup.com/cercor/article/28/10/3468/4091096">https://academic.oup.com/cercor/article/28/10/3468/4091096</a>	20
68	癫痫发作	Multi-day rhythms modulate seizure risk in epilepsy	BAUD, MO	NAT COMMUN 9: - JAN 8 2018	19

			CALIFORNIA PACIFIC MEDICAL CENTER;WYSS CTR BIO & NEUROENGN;UNIVERSIT Y OF GENEVA	<a href="https://www.nature.com/articles/s41467-017-02577-y">https://www.nature.com/articles/s41467-017-02577-y</a>	
69	缺血性脑卒中	Circular RNA DLGAP4 ameliorates ischemic stroke outcomes by targeting mir-143 to regulate endothelial-mesenchymal transition associated with blood- brain barrier integrity	BAI, Y JIANGSU PROV HOSP	J NEUROSCI 38 (1): 32-50 JAN 3 2018 <a href="http://www.jneurosci.org/content/38/1/32">http://www.jneurosci.org/content/38/1/32</a>	19
70	4322 名精神分裂症患者的白质 微观结构差异	Widespread white matter microstructural differences in schizophrenia across 4322 individuals: results from the enigma schizophrenia DTI working group	Kelly, S University of Southern California	MOL PSYCHIATR 23 (5): 1261- 1269 MAY 2018 <a href="https://www.nature.com/articles/mp2017170.pdf">https://www.nature.com/articles/mp2017170.pdf</a>	18

71	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 <a href="https://www.nature.com/articles/s41586-018-0104-4">https://www.nature.com/articles/s41586-018-0104-4</a>	16
72	综述: 海马细胞记忆痕迹再现	Replay comes of age	FOSTER, DJ UNIVERSITY OF CALIFORNIA BERKELEY, UNIVERSITY OF CALIFORNIA SYSTEM	ANNU REV NEUROSCI 40: 581-602 2017 <a href="https://www.annualreviews.org/doi/full/10.1146/annurev-neuro-072116-031538">https://www.annualreviews.org/doi/full/10.1146/annurev-neuro-072116-031538</a>	16
73	美国临床前期和临床期阿尔茨海默症的患病率预测	Forecasting the prevalence of preclinical and clinical Alzheimers disease in the united states	BROOKMEYER, R UNIVERSITY OF CALIFORNIA	ALZHEIMERS DEMENT 14 (2): 121-129 FEB 2018	15

			IRVINE, UNIVERSITY OF CALIFORNIA SYSTEM	<a href="https://www.sciencedirect.com/science/article/pii/S155252601733813">https://www.sciencedirect.com/science/article/pii/S155252601733813</a> <u>X</u>	
74	阿尔茨海默病相关的 $\beta$ -淀粉样蛋白	Alzheimer's 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 <a href="https://www.sciencedirect.com/science/article/pii/S0896627318305269?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S0896627318305269?via%3Dihub</a>	15
75	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 Alzheimer's disease	DA MESQUITA, S UNIVERSITY OF TRENTO	NATURE 560 (7717): 185-+ AUG 9 2018 <a href="https://www.nature.com/articles/s41586-018-0368-8">https://www.nature.com/articles/s41586-018-0368-8</a>	14

76	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 <a href="http://science.sciencemag.org/content/360/6392/998.full">http://science.sciencemag.org/content/360/6392/998.full</a>	14
77	光与警觉度 (Alertness)	Acute alerting effects of light: a systematic literature review	SOUMAN, JL KU LEUVEN;UTRECHT UNIVERSITY	BEHAV BRAIN RES 337: 228-239 JAN 30 2018 <a href="https://www.sciencedirect.com/science/article/pii/S0166432817311002">https://www.sciencedirect.com/science/article/pii/S0166432817311002</a>	13
78	MRI 弥散加权成像	TE dependent diffusion imaging (TEdDI) distinguishes between compartmental T-2 relaxation times	VERAART, J NEW YORK UNIVERSITY	NEUROIMAGE 182: 360-369 SP. ISS. SI NOV 15 2018 <a href="https://www.sciencedirect.com/science/article/pii/S1053811917307784">https://www.sciencedirect.com/science/article/pii/S1053811917307784</a>	13

79	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 <a href="https://jamanetwork.com/journals/jamaneurology/fullarticle/2681442?resultClick=3">https://jamanetwork.com/journals/jamaneurology/fullarticle/2681442?resultClick=3</a>	13
80	综述：小胶质细胞与阿尔茨海默症	Markers of microglia in post-mortem brain samples from patients with Alzheimers disease: a systematic review	HOPPERTON, K UNIVERSITY OF TORONTO	MOL PSYCHIATR 23 (2): 177-198 FEB 2018 <a href="https://www.nature.com/articles/mp2017246">https://www.nature.com/articles/mp2017246</a>	12
81	淀粉样蛋白、tau 蛋白与阿尔茨海默症	Local and distant relationships between amyloid, tau and	IACCARINO, L ACADEMIC MEDICAL CENTER	NEUROIMAGE-CLIN 17: 452-464 2018	12

		neurodegeneration in Alzheimers disease	AMSTERDAM,UNIVERSITY OF AMSTERDAM	<a href="https://www.sciencedirect.com/science/article/pii/S2213158217302309">https://www.sciencedirect.com/science/article/pii/S2213158217302309</a>	
82	IDH 突变神经胶质瘤	Novel, improved grading system(s) for IDH-mutant astrocytic gliomas	SHIRAHATA, M AKITA UNIVERSITY	ACTA NEUROPATHOL 136 (1): 153-166 JUL 2018 <a href="https://link.springer.com/article/10.1007/s00401-018-1849-4">https://link.springer.com/article/10.1007/s00401-018-1849-4</a>	11
83	综述: $\beta$ 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 <a href="https://pdfs.semanticscholar.org/4b20/c7d8b30a5774bb296f403de0b19f91c98e62.pdf?_ga=2.223780766.465239495.1540301968-1806773211.1540301968">https://pdfs.semanticscholar.org/4b20/c7d8b30a5774bb296f403de0b19f91c98e62.pdf?_ga=2.223780766.465239495.1540301968-1806773211.1540301968</a>	11

84	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 <a href="https://www.movementdisorders.org/MDS-Files1/Resources/PDFs/TreatmentsforMotorSymptomsofPD-2018.pdf">https://www.movementdisorders.org/MDS-Files1/Resources/PDFs/TreatmentsforMotorSymptomsofPD-2018.pdf</a>	11
85	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 <a href="https://www.nature.com/articles/s41586-018-0454-y">https://www.nature.com/articles/s41586-018-0454-y</a>	11



86	急性缺血性脑卒中的治疗	Maximizing first-pass complete reperfusion with SAVE	MAUS, V RWTH AACHEN UNIVERSITY	CLIN NEURORADIOL 28 (3): 327-338 SEP 2018 <a href="https://link.springer.com/article/10.1007/s00062-017-0566-z">https://link.springer.com/article/10.1007/s00062-017-0566-z</a>	11
87	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 <a href="http://science.sciencemag.org/content/361/6406/eaan8821.full">http://science.sciencemag.org/content/361/6406/eaan8821.full</a>	10
88	人类进食行为的实验室研究	Methodological and reporting quality in laboratory studies of human eating behavior	ROBINSON, E RADBOD UNIVERSITY NIJMEGEN	APPETITE 125: 486-491 JUN 1 2018 <a href="https://www.sciencedirect.com/science/article/pii/S0195666317316999">https://www.sciencedirect.com/science/article/pii/S0195666317316999</a>	10

89	阿尔茨海默症小鼠模型	Natural dietary supplementation of anthocyanins via PI3K/Akt/Nrf2/HO-1 pathways mitigate oxidative stress, neurodegeneration, and memory impairment in a mouse model of Alzheimers disease	ALI, T GYEONGSANG NATIONAL UNIVERSITY	MOL NEUROBIOL 55 (7): 6076-6093 JUL 2018 <a href="https://link.springer.com/article/10.1007/s12035-017-0798-6">https://link.springer.com/article/10.1007/s12035-017-0798-6</a>	9
90	基于 g-ratio 的 MRI 成像	Promise and pitfalls of g-ratio estimation with MRI	CAMPBELL, JSW MCGILL UNIVERSITY	NEUROIMAGE 182: 80-96 SP. ISS. SI NOV 15 2018 <a href="https://www.sciencedirect.com/science/article/pii/S1053811917306857">https://www.sciencedirect.com/science/article/pii/S1053811917306857</a>	9
91	家族性帕金森氏病与路易体痴呆	LRP10 genetic variants in familial Parkinsons disease and dementia	QUADRI, M	LANCET NEUROL 17 (7): 597-608 JUL 2018	8

		with lewy bodies: a genome-wide linkage and sequencing study	NA-ALZHEIMER CTR;VRIJE UNIVERSITEIT AMSTERDAM	<a href="https://www.sciencedirect.com/science/article/pii/S1474442218301790">https://www.sciencedirect.com/science/article/pii/S1474442218301790</a>	
92	体位性心动过速综合征 (Postural tachycardia syndrome)	Postural tachycardia syndrome - diagnosis, physiology, and prognosis	ARNOLD, AC LIBIN CARDIOVASCULAR INSTITUTE OF ALBERTA;VANDERBILT UNIVERSITY	AUTON NEUROSCI-BASIC CLIN 215: 3-11 SP. ISS. SI DEC 2018 <a href="https://www.sciencedirect.com/science/article/pii/S1566070217303545">https://www.sciencedirect.com/science/article/pii/S1566070217303545</a>	7
93	基于 g-ratio 的 MRI 成像	Myelin volume fraction imaging with MRI	WEST, KL VANDERBILT UNIVERSITY	NEUROIMAGE 182: 511-521 SP. ISS. SI NOV 15 2018 <a href="https://www.sciencedirect.com/science/article/pii/S1053811916307935">https://www.sciencedirect.com/science/article/pii/S1053811916307935</a>	7

94	哺乳动物大脑皮层层状起源	Cortical gradients and laminar projections in mammals	GOULAS, A BOSTON UNIVERSITY	TRENDS NEUROSCI 41 (11): 775-788 NOV 2018 <a href="https://www.sciencedirect.com/science/article/pii/S0166223618301644">https://www.sciencedirect.com/science/article/pii/S0166223618301644</a>	6
95	多发性硬化症	Contribution of the macrophage migration inhibitory factor superfamily of cytokines in the pathogenesis of preclinical and human multiple sclerosis: in silico and in vivo evidences	FAGONE, P IRCCS BONINO PULEJO	J NEUROIMMUNOL 322: 46-56 SEP 15 2018 <a href="https://www.sciencedirect.com/science/article/pii/S0165572818301413">https://www.sciencedirect.com/science/article/pii/S0165572818301413</a>	6
96	Tau 蛋白与阿尔茨海默症	Tau protein disrupts nucleocytoplasmic transport in Alzheimers disease	EFTEKHARZADEH, B ABBVIE;VA BOSTON HEALTHCARE	NEURON 99 (5): 925-+ SEP 5 2018 <a href="https://www.cell.com/neuron/fulltext/S0896-6273(18)30637-8">https://www.cell.com/neuron/fulltext/S0896-6273(18)30637-8</a>	5

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97	利用弥散加权磁共振波谱 (DW-MRS) 研究参与神经系 统发育和退行性病变的细胞微 结构	Insights into brain microstructure from in vivo DW-MRS	PALOMBO, M CEA;UNIVERSITY OF LONDON,UNIVERSITY COLLEGE LONDON	NEUROIMAGE 182: 97-116 SP. ISS. SI NOV 15 2018 <a href="https://www.sciencedirect.com/science/article/pii/S1053811917309424">https://www.sciencedirect.com/science/article/pii/S1053811917309424</a>	5
98	温哥华一项针对阿片过量致死 的药物检测试点项目	Initial results of a drug checking pilot program to detect fentanyl adulteration in a Canadian setting	TUPPER, KW BRITISH COLUMBIA CTR SUBST USE;VANCOUVER COASTAL HEALTH RESEARCH INSTITUTE;UNIVERSITY OF BRITISH COLUMBIA	DRUG ALCOHOL DEPENDENCE 190: 242-245 SEP 1 2018 <a href="https://www.sciencedirect.com/science/article/pii/S0376871618303818">https://www.sciencedirect.com/science/article/pii/S0376871618303818</a>	4

99	光学相干层析成像 (Optical coherence tomography, OCT) 与临床孤立综合症 (Clinically isolated syndrome)	Association of retinal ganglion cell layer thickness with future disease activity in patients with clinically isolated syndrome	ZIMMERMANN, HG BERLIN INST HLTH;UNIVERSITY OF MUNICH	JAMA NEUROL 75 (9): 1071-1079 SEP 2018 <a href="https://jamanetwork.com/journals/jamaneurology/fullarticle/2679108?resultClick=1">https://jamanetwork.com/journals/jamaneurology/fullarticle/2679108?resultClick=1</a>	4
100	创伤性脑损伤	Selective NLRP3 inflammasome inhibitor reduces neuroinflammation and improves long-term neurological outcomes in a murine model of traumatic updates brain injury	XU, X NA-MINIST EDUC & TIANJIN CITY;TIANJIN MEDICAL UNIVERSITY	NEUROBIOL DISEASE 117: 15-27 SEP 2018 <a href="https://www.sciencedirect.com/science/article/pii/S0969996118301542">https://www.sciencedirect.com/science/article/pii/S0969996118301542</a>	4