ESI 中神经科学与行为领域热点论文信息推送

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中国科学院心理研究所信息中心

中科院心理所信息中心

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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 2015 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 2013 年 4 月至 2015 年 4 月发表的文章中，在 2015 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 2015 年 9 月 10 日。

本期发布神经科学与行为领域热点文章 106 篇，其中首次入榜文章 51 篇。单篇最高被引 326 次，最低被引 4 次。被引 326 次的文章由国际头痛协会（International Headache society，IHS）作为团体作者发表在 *Cephalalgia* 上，标题为“The international classification of headache disorders, 3rd edition (beta version)”，讨论了 2013 IHS 国际头痛分类第三版（beta 版）。首次入榜的 51 篇中单篇最高被引 79 次的是 Scott J. Russo 和 Eric J. Nestler 合作发表在 *Nature Reviews Neuroscience* 上的工作，标题为“The brain reward circuitry in mood disorders ”，关于心境障碍的脑奖赏环路的综述。

就研究主题而言，除肌萎缩性脊髓侧索硬化症、多发性硬化症、癫痫和疼痛等神经系统疾病、阿尔茨海默症等神经系统退行性病、神经系统发育、可塑性、学习记忆等长期入榜的主题之外，另有首次入榜的文章值得关注，如：

34：当猴子执行一项依赖于场景的感觉运动任务时，与任务相关或无关的感觉输入信息在前额叶中选择性整合；

36：从进化的角度探究脑网络；

52：性别对自闭症神经生物学属性的影响；

58：综述：遗传学进展推动对自闭症谱系障碍表型异质性(phenotypic heterogeneity)的理解

63：音乐可以调节参与情绪加工的脑区的活动，如杏仁核、伏隔核和下丘脑等；

68：利用在体双光子钙成像技术（two-photon calcium imaging）研究运动学习过程中相关皮层神经元的活动；

69：人脑连接组中的中枢节点（hub nodes）多参与脑疾病的病理机制；

70：参与空间记忆和焦虑情绪加工的海马；

71：利用从人脑连接组计划（Human Connectome Project）获取的高分辨率静息态 fMRI 数据，研究人员在亚秒级（subsecond）水平上绘制了时间分辨的（time-resolved）、全脑功

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能连接；

91：利用高分辨率 MRI 发现，正常老龄化大脑血脑屏障的破坏始于海马；

99：自闭症谱系障碍患者静息态功能连接模式异常

102：即兴音乐（musical improvisation）的神经科学机制。

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）。

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附表：ESI 2015 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	通讯作者及其单位	出处及原文或摘要链接	单篇被引
1	2013 国际头痛协会（International Headache society，IHS）国际头痛分类第三版（beta 版）	The international classification of headache disorders, 3rd edition (beta version)	IHS	CEPHALALGIA 33 (9): 629-808 JUL 2013 http://cep.sagepub.com/content/33/9/629.full	326
2	用于神经活动成像的超敏荧光蛋白	Ultrasensitive fluorescent proteins for imaging neuronal activity	Orger, MB Champalimaud Ctr Unknown, Champalimaud Neurosci Programme, Ave Brasilia, P-1400038 Lisbon, Portugal.	NATURE 499 (7458): 295-+ JUL 18 2013 http://www.nature.com/nature/journal/v499/n7458/full/nature12354.html	245
3	脑小血管病（Cerebral small vessel disease ，CSVD）与老龄化和神经退行性变	Neuroimaging standards for research into small vessel disease and its contribution to ageing and	Wardlaw, JM Univ Edinburgh, Western Gen Hosp, Div Neuroimaging Sci, Edinburgh	LANCET NEUROL 12 (8): 822-838 AUG 2013 http://www.sciencedirect.com/scien	160

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		neurodegeneration	EH4 2XU, Midlothian, Scotland	ce/article/pii/S1474442213701248	
4	睡眠可清除大脑代谢产物	Sleep drives metabolite clearance from the adult brain	Nedergaard, M Univ Rochester, Med Ctr, Dept Neurosurg, Div Glial Dis & Therapeut,Ctr Translat Neuromed, Rochester, NY 14642 USA	SCIENCE 342 (6156): 373-377 OCT 18 2013 http://www.sciencemag.org/content/342/6156/373	149
5	美国脑肿瘤注册中心（Central Brain Tumor Registry of the United States，CBTRUS）统计报告	CBTRUS statistical report: primary brain and central nervous system tumors diagnosed in the united states in 2006-2010	Ostrom, QT Case Western Reserve Univ, Sch Med, Case Comprehens Canc Ctr, Cleveland, OH 44106 USA	NEURO-ONCOLOGY 15: 1-56 SUPPL. 2 NOV 2013 http://neuro-oncology.oxfordjournals.org/content/15/suppl_2/ii1.extract	124
6	综述：控制的期望值（expected value of control，EVC）理论	The expected value of control: an integrative theory of anterior cingulate cortex function	Cohen, JD Princeton Univ, Princeton Neurosci Inst, Princeton, NJ 08540 USA	NEURON 79 (2): 217-240 JUL 24 2013 http://www.sciencedirect.com/science/article/pii/S0896627313006077	115

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7	神经退行性疾病中致病蛋白的聚集	Self-propagation of pathogenic protein aggregates in neurodegenerative diseases	Jucker, M Univ Tubingen, Hertie Inst Clin Brain Res, Dept Cellular Neurol, D-72076 Tubingen, Germany	NATURE 501 (7465): 45-51 SEP 5 2013 http://www.nature.com/nature/journal/v501/n7465/full/nature12481.html	115
8	精神分裂症的遗传变异往往聚集在几个功能相关基因网络中	De novo mutations in schizophrenia implicate synaptic networks	Owen, MJ Cardiff Univ, Inst Psychol Med & Clin Neurosci, Med Res Council Ctr Neuropsychiat Genet & Genom, Cardiff CF24 4HQ, S Glam, Wales.	NATURE 506 (7487): 179-+ FEB 13 2014 http://www.nature.com/nature/journal/v506/n7487/full/nature12929.html	114
9	反义寡核苷酸（antisense oligonucleotide，ASO）疗法可缓和 ALS/FTD 相关脑损伤	RNA toxicity from the ALS/FTD c9orf72 expansion is mitigated by antisense intervention	Sattler, R Johns Hopkins Univ, Dept Neurol, 855 N Wolfe St,Rangos 2-270, Baltimore, MD 21205 USA	NEURON 80 (2): 415-428 OCT 16 2013 http://www.cell.com/neuron/abstract/S0896-6273(13)00918-5	96

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10	反应控制的行为与神经基础	Inhibition and impulsivity: behavioral and neural basis of response control	Bari, A Med Univ S Carolina, Dept Neurosci, 173 Ashley Ave,BSB 409, Charleston, SC 29425 USA.	PROG NEUROBIOL 108: 44-79 SEP 2013 http://www.ncbi.nlm.nih.gov/pubmed/23856628	95
11	ALS 的遗传学病因	State of play in amyotrophic lateral sclerosis genetics	Traynor, BJ NIA, Neuromuscular Dis Res Unit, Neurogenet Lab, NIH, Bethesda, MD 20892 USA	NAT NEUROSCI 17 (1): 17-23 JAN 2014 http://www.nature.com/neuro/journal/v17/n1/full/nn.3584.html	93
12	亲代的嗅觉经验可影响后代的行为与神经结构，提示恐惧可以跨代遗传	Parental olfactory experience influences behavior and neural structure in subsequent generations	Dias, BG Emory Univ, Sch Med, Dept Psychiat & Behav Sci, Atlanta, GA 30322 USA.	NAT NEUROSCI 17 (1): 89-96 JAN 2014 http://www.nature.com/neuro/journal/v17/n1/full/nn.3594.html	87

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13	决策中主观评价（subjective value）的神经信号关联	The valuation system: a coordinate-based meta-analysis of bold fMRI experiments examining neural correlates of subjective value	McGuire, JT Univ Penn, Dept Psychol, 3720 Walnut St, Philadelphia, PA 19104 USA.	NEUROIMAGE 76 (1): 412-427 AUG 1 2013 http://www.sciencedirect.com/science/article/pii/S1053811913002188	85
14	缺血性卒中（ischemic stroke）和短暂性脑缺血发作（Transient Ischemic Attack）幸存者如何预防中风发作？	Guidelines for the prevention of stroke in patients with stroke and transient ischemic attack a guideline for healthcare professionals from the American heart association/American stroke association	Kernan, WN Yale Univ, New Haven, CT 06520 USA	STROKE 45 (7): 2160-2236 JUL 2014 http://stroke.ahajournals.org/content/45/7/2160	84
15	小神经胶质细胞	Identification of a unique TGF-beta dependent molecular and functional signature in microglia	Butovsky, O Harvard Univ, Brigham & Womens Hosp, Sch Med, Ctr Neurol Dis,Dept Neurol, Boston, MA 02115 USA.	NAT NEUROSCI 17 (1): 131-143 JAN 2014 http://www.nature.com/neuro/journal/v17/n1/full/nn.3599.html	79

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16	综述：心境障碍的脑奖赏环路	The brain reward circuitry in mood disorders	Russo, SJ Icahn Sch Med Mt Sinai, Fishberg Dept Neurosci, New York, NY 10029 USA.	NAT REV NEUROSCI 14 (9): 609-625 SEP 2013 http://www.nature.com/nrn/journal/v14/n9/full/nrn3381.html	79
17	小鼠全脑范围内细胞水平的中尺度（mesoscale）连接组（connectome）	A mesoscale connectome of the mouse brain	Zeng, HK Allen Inst Brain Sci, Seattle, WA 98103 USA.	NATURE 508 (7495): 207-+ APR 10 2014 http://www.nature.com/nature/journal/v508/n7495/full/nature13186.html	77
18	BrainNet Viewer：一个脑网络绘制工具	BrainNET viewer: a network visualization tool for human brain connectomics	Xia, MR Beijing Normal Univ, State Key Lab Cognit Neurosci & Learning, Beijing 100875, Peoples R China	PLOS ONE 8 (7): - JUL 4 2013 http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0068910	75

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19	研发一种名为 SeeDB 的果糖水溶液，在三天内使小鼠胚胎和大脑透明化，且并未干扰样本原有的形态和化学性质	SEEDB: a simple and morphology-preserving optical clearing agent for neuronal circuit reconstruction	Imai, T RIKEN Ctr Dev Biol, Lab Sensory Circuit Format, Kobe, Hyogo, Japan	NAT NEUROSCI 16 (8): 1154-U246 AUG 2013 http://www.nature.com/neuro/journal/v16/n8/full/nn.3447.html	72
20	综述：新皮层投射神经元	Molecular logic of neocortical projection neuron specification, development and diversity	Macklis, JD Harvard Univ, 7 Divin Ave,Bauer Lab 103, Cambridge, MA 02138 USA.	NAT REV NEUROSCI 14 (11): 755-769 NOV 2013 http://www.nature.com/nrn/journal/v14/n11/abs/nrn3586.html	68
21	综述：血管性痴呆（Vascular dementia）的病理生理学	The pathobiology of vascular dementia	Iadecola, C Weill Cornell Med Coll, Brain & Mind Res Inst, New York, NY 10021 USA.	NEURON 80 (4): 844-866 NOV 20 2013 http://www.sciencedirect.com/science/article/pii/S0896627313009112	68

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22	综述：后扣带回（Posterior cingulate cortex）在认知与脑疾患中的作用	The role of the posterior cingulate cortex in cognition and disease	Leech, R Univ London Imperial Coll Sci Technol & Med, Computat Cognit & Clin Neuroimaging Lab, Div Brain Sci, Hammersmith Hosp Campus,Du Cane Rd, London W12 0NN, England	BRAIN 137: 12-32 PART 1 JAN 2014 http://brain.oxfordjournals.org/content/brain/early/2013/07/18/brain.awt162.full.pdf	67
23	睡眠可能是中枢神经系统可塑性改变不可或缺的一部分	Sleep and the price of plasticity: from synaptic and cellular homeostasis to memory consolidation and integration	Tononi, G Univ Wisconsin, Dept Psychiat, Madison, WI 53719 USA	NEURON 81 (1): 12-34 JAN 8 2014 http://www.sciencedirect.com/science/article/pii/S0896627313011860	59
24	推动阿尔茨海默症的诊断标准：IWG-2 标准	Advancing research diagnostic criteria for Alzheimers disease: the iwg-2 criteria	Dubois, B Salpetriere Hosp, Ctr Malad Cognit & Comportement, Pavil F Lhermitte, 47 Bld Hop, F-75013 Paris, France	LANCET NEUROL 13 (6): 614-629 JUN 2014 http://www.sciencedirect.com/science/article/pii/S1474442214700900	59

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25	去掉静息态 fMRI 运动伪迹的方法	Methods to detect, characterize, and remove motion artifact in resting state fMRI	Power, JD Wash Univ, Sch Med, Dept Neurol, 660 S Euclid Ave,Box 8111, St Louis, MO 63110 USA.	NEUROIMAGE 84: 320-341 JAN 1 2014 http://www.sciencedirect.com/science/article/pii/S1053811913009117	58
26	国际抗癫痫联盟(,International League Against Epilepsy，ILAE)报告：癫痫临床定义	ILAE official report: a practical clinical definition of epilepsy	Fisher, RS Stanford Univ, Sch Med, Room A343,300 Pasteur Dr, Stanford, CA 94305 USA	EPILEPSIA 55 (4): 475-482 APR 2014 http://onlinelibrary.wiley.com/doi/10.1111/epi.12550/epdf	57
27	综述：发育毒性（Developmental toxicity）	Neurobehavioural effects of developmental toxicity	Grandjean, P Harvard Univ, Sch Publ Hlth, 401 Pk Dr E-110, Boston, MA 02215 USA	LANCET NEUROL 13 (3): 330-338 MAR 2014 http://www.sciencedirect.com/scien	56

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				ce/article/pii/S1474442213702783	
28	临床前期阿尔茨海默症	Preclinical Alzheimers disease and its outcome: a longitudinal cohort study	Fagan, AM Washington Univ, Sch Med, Dept Neurol, 660 South Euclid Ave,Box 8111, St Louis, MO 63110 USA.	LANCET NEUROL 12 (10): 957-965 OCT 2013 http://www.sciencedirect.com/science/article/pii/S1474442213701947	55
29	以 C9orf72 基因非编码区重复扩增为靶标治疗及萎缩性脊髓侧索硬化症和额颞叶型痴呆	Targeted degradation of sense and antisense C9orf72 RNA foci as therapy for ALS and frontotemporal degeneration	Cleveland, DW Univ Calif San Diego, Dept Neurosci, La Jolla, CA 92093 USA	PROC NAT ACAD SCI USA 110 (47): E4530-E4539 NOV 19 2013 http://www.pnas.org/content/early/2013/10/28/1318835110.abs	55
30	降低卒中死亡率的因素	Factors influencing the decline in stroke mortality a statement from	Amer Heart Assoc Stroke Council ; Council Cardiovasc Stroke Nursing ;	STROKE 45 (1): 315-353 JAN 2014	54

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		the American heart association/American stroke association	Council Quality Care Outcomes Res ; Council Functional Genomics Transl	http://stroke.ahajournals.org/content/45/1/315.full.pdf+html	
31	人类胎儿妊娠中期详细大脑基因表达图谱	Transcriptional landscape of the prenatal human brain	Lein, ES Allen Inst Brain Sci, Seattle, WA 98103 USA.	NATURE 508 (7495): 199-+ APR 10 2014 http://www.nature.com/nature/journal/v508/n7495/full/nature13185.html	54
32	Eteplirsen（药名）治疗杜氏肌营养不良（Duchenne muscular dystrophy）	Eteplirsen for the treatment of duchenne muscular dystrophy	Mendell, JR Nationwide Childrens Hosp, Res Inst, Ctr Gene Therapy, Rm WA301,700 Childrens Dr, Columbus, OH 43205 USA.	ANN NEUROL 74 (5): 637-647 NOV 2013 http://onlinelibrary.wiley.com/doi/10.1002/ana.23982/full	54
33	综述：结构与功能脑网络	Structural and functional brain	Park, HJ	SCIENCE 342 (6158): 579-+ NOV	53

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		networks: from connections to cognition	Yonsei Univ, Coll Med, Dept Nucl Med, Project Med Sci BK21,Severance Biomed Sci Inst, Seoul, South Korea	1 2013 http://www.sciencemag.org/content/342/6158/1238411.figures-only	
34	当猴子执行一项依赖于场景的感觉运动任务时，与任务相关或无关的感觉输入信息在前额叶中选择性整合	Context-dependent computation by recurrent dynamics in prefrontal cortex	Mante, V Univ Zurich, ETH Zurich, Inst Neuroinformat, CH-8057 Zurich, Switzerland	NATURE 503 (7474): 78-+ NOV 7 2013 http://www.nature.com/nature/journal/v503/n7474/full/nature12742.html	53
35	利用 RNA 测序发现小胶质细胞存在用来感知致病组织、毒素或损伤细胞的基因	The microglial sensome revealed by direct RNA sequencing	Hickman, SE Massachusetts Gen Hosp, Ctr Immunol & Inflammatory Dis, Charlestown, MA 02129 USA	NAT NEUROSCI 16 (12): 1896-1905 DEC 2013 http://www.nature.com/neuro/journal/v16/n12/full/nn.3554.html	53

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36	从进化的角度探究脑网络	Scaling brain size, keeping timing: evolutionary preservation of brain rhythms	Buzsaki, G NYU, Sch Med, Neurosci Inst, Ctr Neural Sci, New York, NY 10016 USA	NEURON 80 (3): 751-764 OCT 30 2013 http://www.sciencedirect.com/science/article/pii/S0896627313009045	52
37	神经退行性病变细胞自我吞噬（autophagy）功能障碍	Autophagy and apoptosis dysfunction in neurodegenerative disorders	Los, MJ Linkoping Univ, Div Cell Biol, Integrat Regenerat Med Ctr IGEN, Dept Clin & Expt Med IKE, Linkoping, Sweden	PROG NEUROBIOL 112: 24-49 JAN 2014 http://www.sciencedirect.com/science/article/pii/S0301008213001044	51
38	毛细血管周细胞（Capillary pericyte）	Capillary pericytes regulate cerebral blood flow in health and disease	Attwell, D UCL, Dept Neurosci Physiol & Pharmacol, Gower St, London WC1E 6BT, England	NATURE 508 (7494): 55-+ APR 3 2014 http://www.nature.com/nature/journal/v508/n7494/full/nature13165.html	50

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39	综述：无线连续波近红外光谱系统功能成像（Continuous wave functional near infrared imaging）	A review on continuous wave functional near-infrared spectroscopy and imaging instrumentation and methodology	Wolf, M Univ Zurich Hosp, Div Neonatol, Biomed Opt Res Lab, CH-8091 Zurich, Switzerland	NEUROIMAGE 85: 6-27 PART 1 SP. ISS. SI JAN 15 2014 http://www.sciencedirect.com/science/article/pii/S1053811913004941	49
40	综述：中枢神经系统损伤与疾病	Reactive gliosis and the multicellular response to CNS damage and disease	Sofroniew, MV Univ Calif Los Angeles, Dept Neurobiol, Los Angeles, CA 90095 USA	NEURON 81 (2): 229-248 JAN 22 2014 http://www.sciencedirect.com/science/article/pii/S0896627314000117	48
41	多发性硬化症临床病程的定义（2013 修订版）	Defining the clinical course of multiple sclerosis the 2013 revisions	Lublin, FD Icahn Sch Med Mt Sinai, Corinne Goldsmith Dickenson Ctr Multiple	NEUROLOGY 83 (3): 278-286 JUL 15 2014 http://www.ncbi.nlm.nih.gov/pubm	46

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			Sclerosi, New York, NY 10029 USA	ed/24871874	
42	胶质传递（gliotransmission）：星形胶质细胞与神经元之间的信号传导方式	Gliotransmitters travel in time and space	Carmignoto, G Univ Padua, CNR, Ist Neurosci, I-35121 Padua, Italy	NEURON 81 (4): 728-739 FEB 19 2014 http://www.sciencedirect.com/science/article/pii/S0896627314001056	43
43	在神经元中非 CpG 甲基化比以往认为的更晚发生且更为动态，且它独立于传统的 CpG 甲基化来发挥基因调控作用	Distribution, recognition and regulation of non-cpg methylation in the adult mammalian brain	Song, HJ Johns Hopkins Univ, Sch Med, Inst Cell Engn, Baltimore, MD 21218 USA	NAT NEUROSCI 17 (2): 215-222 FEB 2014 http://www.nature.com/neuro/journal/v17/n2/full/nn.3607.html	42
44	阿尔茨海默症一级预防（primary prevention，即病因预防）的可能性	Potential for primary prevention of Alzheimers disease: an analysis of population-based data	Brayne, C Univ Cambridge, Inst Publ Hlth, Cambridge CB2 0SR, England	LANCET NEUROL 13 (8): 788-794 AUG 2014 http://www.sciencedirect.com/science/article/pii/S147444221470136X	41

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45	综述：单核吞噬细胞（Mononuclear phagocytic cells）的功能及其概念演化	Microglia and brain macrophages in the molecular age: from origin to neuropsychiatric disease	Prinz, M Univ Freiburg, Inst Neuropathol, Breisacherstr 64, D-79106 Freiburg, Germany	NAT REV NEUROSCI 15 (5): 300-312 MAY 2014 http://www.nature.com/nrn/journal/v15/n5/full/nrn3722.html	40
46	情感的认知重评：关于人类神经成像研究的元分析	Cognitive reappraisal of emotion: a meta-analysis of human neuroimaging studies	Buhle, JT Columbia Univ, Social Cognit Affect Neurosci Unit, Dept Psychol, 406 Schermerhorn Hall,1190 Amsterdam Ave, New York, NY 10027 USA.	CEREB CORTEX 24 (11): 2981-2990 NOV 2014 http://cercor.oxfordjournals.org/content/24/11/2981	40
47	中枢神经系统细胞分类	An RNA-sequencing transcriptome and splicing database of glia, neurons, and vascular cells of the	Zhang, Y Stanford Univ, Sch Med, Dept Neurobiol, 299 Campus Dr,Fairchild	J NEUROSCI 34 (36): 11929-11947 SEP 3 2014 http://www.jneurosci.org/content/3	38

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		cerebral cortex	Bldg, Stanford, CA 94305 USA	4/36/11929.short	
48	芬戈莫德（fingolimod）治疗复发缓解型多发性硬化症（relapsing-remitting multiple sclerosis）的安全性与疗效	Safety and efficacy of fingolimod in patients with relapsing-remitting multiple sclerosis (freedoms ii): a double-blind, randomised, placebo-controlled, phase 3 trial	Calabresi, PA 600 North Wolfe St, Baltimore, MD 21287 USA.	LANCET NEUROL 13 (6): 545-556 JUN 2014 http://www.thelancet.com/journals/laneur/article/PIIS1474-4422(14)70049-3/abstract	37
49	急性缺血性卒中	Time to angiographic reperfusion and clinical outcome after acute ischaemic stroke: an analysis of data from the interventional management of stroke (ims iii) phase 3 trial	Khatri, P Univ Cincinnati, Dept Neurol, 260 Stetson St,Suite 2300,ML 0525, Cincinnati, OH 45267 USA	LANCET NEUROL 13 (6): 567-574 JUN 2014 http://www.sciencedirect.com/science/article/pii/S1474442214700663	37
50	离子通道可调节外周传入	Regulating excitability of	Zamponi, GW	NAT NEUROSCI 17 (2): 153-163	35

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	纤维兴奋性	peripheral afferents: emerging ion channel targets	Univ Calgary, Dept Physiol & Pharmacol, Hotchkiss Brain Inst, Calgary, AB, Canada	FEB 2014 http://www.nature.com/neuro/journal/v17/n2/full/nn.3602.html	
51	兴奋性中毒（Excitotoxicity）是中风后神经元受损的主要机制	Excitotoxicity and stroke: identifying novel targets for neuroprotection	Lai, TW China Med Univ, Grad Inst Clin Med Sci, 91 Hsueh Shih Rd, Taichung 40402, Taiwan.	PROG NEUROBIOL 115: 157-188 SP. ISS. SI APR 2014 http://www.sciencedirect.com/science/article/pii/S0301008213001305	33
52	性别对自闭症神经生物学属性的影响	Biological sex affects the neurobiology of autism	Lai, MC Univ Cambridge, Dept Psychiat, Autism Res Ctr, Douglas House,18B,Trumpington Rd, Cambridge CB2 8AH, England	BRAIN 136: 2799-2815 PART 9 SEP 2013 http://brain.oxfordjournals.org/content/136/9/2799	33
53	综述：医用大麻（marijuana）用于部分神经系统疾病的疗效与安全性	Systematic review: efficacy and safety of medical marijuana in selected neurologic disorders report	Koppel, BS Amer Acad Neurol, Minneapolis, MN USA	NEUROLOGY 82 (17): 1556-1563 APR 29 2014 http://www.dolor.org.co/articulos/K	32

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		of the guideline development subcommittee of the American academy of neurology		oppel%20Marijuana%20in%20Neurologic%20Disorders%202014.pdf	
54	自闭症谱系障碍患者大脑内在功能架构	The autism brain imaging data exchange: towards a large-scale evaluation of the intrinsic brain architecture in autism	Di Martino, A NYU, Langone Med Ctr, Phyllis Green & Randolph Cowen Inst Pediat Neuros, NYU Child Study Ctr, One Pk Ave,8th Floor, New York, NY 10016 USA	MOL PSYCHIATR 19 (6): 659-667 JUN 2014 http://www.nature.com/mp/journal/v19/n6/full/mp201378a.html	32
55	神经系统肿瘤分类与评级指导方针	International society of neuropathology-haarlem consensus guidelines for nervous system tumor classification and grading	Louis, DN Massachusetts Gen Hosp, Pathol Serv, WRN225,55 Fruit St, Boston, MA 02114 USA.	BRAIN PATHOL 24 (5): 429-435 SEP 2014 http://onlinelibrary.wiley.com/doi/10.1111/bpa.12171/full	32
56	难治性局部发作性癫痫（Medically intractable partial onset epilepsy）	Two-year seizure reduction in adults with medically intractable partial onset epilepsy treated with	Morrell, MJ 455 N Bernardo Ave, Mountain View, CA 94043 USA.	EPILEPSIA 55 (3): 432-441 MAR 2014 http://onlinelibrary.wiley.com/doi/1	31

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		responsive neurostimulation: final results of the RNS system pivotal trial		0.1111/epi.12534/abstract	
57	在神经退行性疾病中，Tau蛋白具有类似朊病毒（Prion）的繁殖特征	Distinct tau prion strains propagate in cells and mice and define different tauopathies	Diamond, MI Washington Univ, Dept Neurol, St Louis, MO 63105 USA.	NEURON 82 (6): 1271-1288 JUN 18 2014 http://www.sciencedirect.com/science/article/pii/S0896627314003626	30
58	综述：遗传学进展推动对自闭症谱系障碍表型异质性(phenotypic heterogeneity)的理解	Disentangling the heterogeneity of autism spectrum disorder through genetic findings	Jeste, SS Semel Inst Neurosci & Human Behav, 760 Westwood Plaza,Suite 68-237, Los Angeles, CA 90064 USA	NAT REV NEUROL 10 (2): 74-81 FEB 2014 http://www.nature.com/nrneurol/journal/v10/n2/full/nrneurol.2013.278.html	29
59	综述：神经元电压门控钙离子通道的结构、功能及功能失调	Neuronal voltage-gated calcium channels: structure, function, and dysfunction	Zamponi, GW Univ Calgary, Hotchkiss Brain Inst, Dept Physiol & Pharmacol, Calgary,	NEURON 82 (1): 24-45 APR 2 2014 http://www.sciencedirect.com/scien	29

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			AB T2N 4N1, Canada	ce/article/pii/S089662731400244X	
60	美国脑肿瘤注册中心（Central Brain Tumor Registry of the United States，CBTRUS）统计报告	Cbtrus statistical report: primary brain and central nervous system tumors diagnosed in the united states in 2007-2011	Ostrom, QT Case Western Reserve Univ, Sch Med, Case Comprehens Canc Ctr, Cleveland, OH 44106 USA	NEURO-ONCOLOGY 16: 1-63 SUPPL. 4 OCT 2014 http://neuro-oncology.oxfordjournals.org/content/16/suppl_4/iv1.full	29
61	长效性干扰素（pegylated interferon）治疗复发-缓解型多发性硬化症（relapsing-remitting multiple sclerosis）的安全性和有效性	Pegylated interferon beta-1a for relapsing-remitting multiple sclerosis (ADVANCE): a randomised, phase 3, double-blind study	Calabresi, PA Johns Hopkins Univ Hosp, 600 North Wolfe St,Pathol Bldg,Room 627, Baltimore, MD 21287 USA	LANCET NEUROL 13 (7): 657-665 JUL 2014 http://www.sciencedirect.com/science/article/pii/S1474442214700687	28
62	关于病因不明的栓塞性中风（Embolic strokes）	Embolic strokes of undetermined source: the case for a new clinical construct	Hart, RG Braley Res Inst, 237 Barton St East, Hamilton, ON L8L 2X2, Canada.	LANCET NEUROL 13 (4): 429-438 APR 2014 http://www.sciencedirect.com/scien	27

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63	综述：音乐可以调节参与情绪加工的脑区的活动，如杏仁核、伏隔核和下丘脑等	Brain correlates of music-evoked emotions	Koelsch, S Free Univ Berlin, Habelschwerdter Allee 45, D-14195 Berlin, Germany	NAT REV NEUROSCI 15 (3): 170-180 MAR 201 http://www.nature.com/nrn/journal/v15/n3/full/nrn3666.html	25
64	C9orf72 重复扩增产生富含精氨酸的毒性蛋白进而引发神经退行性疾病	C9orf72 repeat expansions cause neurodegeneration in drosophila through arginine-rich proteins	Isaacs, AM UCL Inst Neurol, Dept Neurodegenerat Dis, London WC1N 3BG, England	SCIENCE 345 (6201): 1192-1194 SEP 5 2014 http://www.sciencemag.org/content/345/6201/1192.abstract	25
65	利用功能成像研究硝酸甘油引发偏头痛（nitroglycerin-triggered migraine attack）前驱期的脑区活动	Brain activations in the premonitory phase of nitroglycerin-triggered migraine attacks	Goadsby, PJ UCSF Headache Ctr, 1701 Divisadero St, San Francisco, CA 94115 USA	BRAIN 137: 232-241 PART 1 JAN 2014 http://brain.oxfordjournals.org/content/137/1/232	24

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66	综述：快闪小白蛋白阳性GABA 能中间神经元（fast-spiking, parvalbumin+ GABAergic interneurons）	Fast-spiking, parvalbumin(+) gabaergic interneurons: from cellular design to microcircuit function	Jonas, P IST Austria, Campus 1, A-3400 Klosterneuburg, Austria	SCIENCE 345 (6196): 529-+ AUG 1 2014 http://www.sciencemag.org/content/345/6196/1255263.abstract	24
67	一个新的用来描述个体老龄化过程中常见脑病理改变的专有名词——原发性年龄相关 Tau 蛋白病变（primary age-related tauopathy，PART）	Primary age-related tauopathy (PART): a common pathology associated with human aging	Crary, JF Columbia Univ, Med Ctr, Dept Pathol & Cell Biol, New York, NY 10032 USA	ACTA NEUROPATHOL 128 (6): 755-766 DEC 2014 http://link.springer.com/article/10.1007/s00401-014-1349-0/fulltext.html	22
68	利用在体双光子钙成像技术（two-photon calcium imaging）研究运动学习过程中相关皮层神经元的活动	Emergence of reproducible spatiotemporal activity during motor learning	Komiyama, T Univ Calif San Diego, Neurobiol Sect, Ctr Neural Circuits & Behav, La Jolla, CA 92093 USA	NATURE 510 (7504): 263-+ JUN 12 2014 http://www.nature.com/nature/journal/v510/n7504/full/nature13235.html	21

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69	人脑连接组中的中枢节点（hub nodes）多参与脑疾病的病理机制	The hubs of the human connectome are generally implicated in the anatomy of brain disorders	Crossley, NA Kings Coll London, Inst Psychiat, Dept Psychosis Studies, London SE5 8AF, England	BRAIN 137: 2382-2395 PART 8 AUG 2014 http://brain.oxfordjournals.org/content/early/2014/06/18/brain.awu132	20
70	综述：参与空间记忆和焦虑情绪加工的海马	Hippocampal synaptic plasticity, spatial memory and anxiety	Bannerman, DM Univ Oxford, Dept Expt Psychol, S Parks Rd, Oxford OX1 3UD, England	NAT REV NEUROSCI 15 (3): 181-192 MAR 2014 http://www.nature.com/nrn/journal/v15/n3/full/nrn3677.html	18
71	利用从人脑连接组计划（Human Connectome Project）获取的高分辨率静息态 fMRI 数据，研究人员在亚秒级（subsecond）水平上绘制了时间分辨的（time-resolved）、全脑功能	Time-resolved resting-state brain networks	Zalesky, A Univ Melbourne, Melbourne Neuropsychiat Ctr, Melbourne, Vic 3010, Australia	PROC NAT ACAD SCI USA 111 (28): 10341-10346 JUL 15 2014 http://www.pnas.org/content/111/28/10341.full	18

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72	基于单个被试独立成分分析的伪迹去除	ICA-based artefact removal and accelerated fMRI acquisition for improved resting state network imaging	Griffanti, L Fdn Don Carlo Gnocchi ONLUS, MR Lab, IRCCS S Maria Nascente, Via Capecelatro 66, I-20148 Milan, Italy.	NEUROIMAGE 95: 232-247 JUL 15 2014 http://www.sciencedirect.com/science/article/pii/S1053811914001815	17
73	通过大规模单个细胞 RNA 测序确定感觉神经元类型	Unbiased classification of sensory neuron types by large-scale single-cell RNA sequencing	Ernfors, P Karolinska Inst, Dept Med Biochem & Biophys, Div Mol Neurobiol, Stockholm, Sweden	NAT NEUROSCI 18 (1): 145-+ JAN 2015 http://www.nature.com/neuro/journal/v18/n1/full/nn.3881.html	15
74	综述：同步化的神经元活动与脑网络构建	Dynamic circuit motifs underlying rhythmic gain control, gating and integration	Womelsdorf, T York Univ, Dept Biol, Toronto, ON M3J 2R7, Canada	NAT NEUROSCI 17 (8): 1031-1039 AUG 2014 http://www.nature.com/neuro/journal/v17/n8/full/nn.3764.html	15
75	海马参与陈述性记忆	Can we reconcile the declarative	Eichenbaum, H	NEURON 83 (4): 764-770 AUG 20	15

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	（Declarative Memory）还是空间定位？二者有关联吗？	memory and spatial navigation views on hippocampal function?	Boston Univ, Ctr Memory & Brain, 2 Cummington St, Boston, MA 02215 USA	2014 http://www.sciencedirect.com/science/article/pii/S0896627314006436	
76	少突星形细胞瘤（oligoastrocytoma）或可划分为少突神经胶质瘤（oligodendroglioma）和星形细胞瘤（astrocytoma）	Farewell to oligoastrocytoma: in situ molecular genetics favor classification as either oligodendroglioma or astrocytoma	von Deimling, A Heidelberg Univ, Inst Pathol, Dept Neuropathol, INF 224, D-69120 Heidelberg, Germany	ACTA NEUROPATHOL 128 (4): 551-559 OCT 2014 http://link.springer.com/article/10.1007/s00401-014-1326-7	15
77	通过一个针对 50-89 岁群体的横断研究，从β淀粉样变和神经退行性病变两个维度考察正常老龄化与阿尔茨海默症临床前期的异同	Age-specific population frequencies of cerebral beta-amyloidosis and neurodegeneration among people with normal cognitive function aged 50-89 years: a cross-sectional study	Jack, CR Mayo Clin & Mayo Fdn, Dept Radiol, Rochester, MN 55905 USA	LANCET NEUROL 13 (10): 997-1005 OCT 2014 http://www.sciencedirect.com/science/article/pii/S1474442214701942	15
78	脊髓损伤患者生存质量（Spinal Cord Injury －	Methodology for the development and calibration of the SCI-QOL	Tulsky, DS Univ Delaware, Ctr Assessment Res	J SPINAL CORD MED 38 (3): 270-287 MAY 2015	14

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	Quality of Life，SCI-QOL）量表题库的研发与校验	item banks	& Translat, STAR Campus,540 S Coll Ave, Newark, DE 19713 USA.	http://www.maneyonline.com/doi/pdfplus/10.1179/2045772315Y.0000000034	
79	中风的病因预防（Primary Prevention）	Guidelines for the Primary Prevention of Stroke A Statement for Healthcare Professionals From the American Heart Association/American Stroke Association The American Academy of Neurology affirms the value of these guidelines as an educational tool for neurologists	Amer Heart Assoc Stroke Council ; Council Cardiovasc Stroke Nursing ; Council Clinical Cardiology ; Council Functional Genomics Transl ; Council Hypertension	STROKE 45 (12): 3754-+ DEC 2014 http://stroke.ahajournals.org/content/early/2014/10/28/STR.0000000000000046.full.pdf+html	14
80	利用单细胞转录组分析技术（single-cell RNA-Seq）揭示小鼠皮层和海马的细胞类型	Cell types in the mouse cortex and hippocampus revealed by single-cell RNA-seq	Linnarsson, S Karolinska Inst, Dept Med Biochem & Biophys, Div Mol Neurobiol, S-17177 Stockholm, Sweden	SCIENCE 347 (6226): 1138-1142 MAR 6 2015 http://www.sciencemag.org/content/347/6226/1138.abstract	13

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81	通过检测羊水样本，发现自闭症患者胎儿期类固醇激素水平升高	Elevated fetal steroidogenic activity in autism	Baron-Cohen, S Univ Cambridge, Dept Psychiat, Autism Res Ctr, Douglas House,18B Trumpington Rd, Cambridge CB2 8AH, England	MOL PSYCHIATR 20 (3): 369-376 MAR 2015 http://www.nature.com/mp/journal/v20/n3/full/mp201448a.html	13
82	综合利用 DNA 甲基化分析和拷贝数检测识别 3 种退行性神经胶质瘤（anaplastic glioma）：星形细胞瘤（astrocytomas）、少突星形细胞瘤（oligoastrocytomas）和寡突神经胶质细胞瘤（oligodendrogliomas）	Integrated DNA methylation and copy-number profiling identify three clinically and biologically relevant groups of anaplastic glioma	Wick, W Heidelberg Univ, Dept Neurooncol, Neurol Clin, Neuenheimer Feld 400, D-69120 Heidelberg, Germany	ACTA NEUROPATHOL 128 (4): 561-571 OCT 2014 http://link.springer.com/article/10.1007/s00401-014-1315-x	13
83	脊髓损伤患者生存质量（SCI-QOL）评估体系	Overview of the spinal cord injury - quality of life (SCI-QOL) measurement system	Tulsky, DS Univ Delaware, Ctr Assessment Res & Translat, STAR Campus,540 S Coll	J SPINAL CORD MED 38 (3): 257-269 MAY 2015 http://www.maneyonline.com/doi/p	12

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			Ave, Newark, DE 19713 USA.	dfplus/10.1179/2045772315Y.0000000023	
84	综述：肌萎缩性脊髓侧索硬化症治疗进展	Advances in treating amyotrophic lateral sclerosis: insights from pathophysiological studies	Vucic, S Univ Sydney, Westmead Clin Sch, Sydney, NSW 2006, Australia	TRENDS NEUROSCI 37 (8): 433-442 AUG 2014 http://www.sciencedirect.com/science/article/pii/S016622361400085X	12
85	综述：海马纵轴的功能架构	Functional organization of the hippocampal longitudinal axis	Strange, BA Tech Univ Madrid, Ctr Biomed Technol, Lab Clin Neurosci, Campus Montegancedo, Pozuelo De Alarcon 28223, Spain	NAT REV NEUROSCI 15 (10): 655-669 OCT 2014 http://www.nature.com/nrn/journal/v15/n10/full/nrn3785.html?WT.ec_id=NRN-201410	12
86	综述：合成大麻（Synthetic cannabinoids，SC）的用药历史、药效学与临床效用	Synthetic cannabinoids: epidemiology, pharmacodynamics, and clinical implications	Huestis, MA NIDA, IRP, NIH, Biomed Res Ctr, 251 Bayview Blvd Suite 200 Room	DRUG ALCOHOL DEPENDENCE 144: 12-41 NOV 1 2014	12

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			05A-721, Baltimore, MD 21224 USA.	http://www.sciencedirect.com/science/article/pii/S0376871614010333	
87	利用元数据（Metadata）考察中风康复治疗中的剂量-效应关系	Is more better? using metadata to explore dose-response relationships in stroke rehabilitation	Lohse, KR Univ British Columbia, Sch Kinesiol, 210-6081 Univ Blvd, Vancouver, BC V6T 1Z1, Canada	STROKE 45 (7): 2053-2058 JUL 2014 http://stroke.ahajournals.org/content/45/7/2053.full	11
88	成人神经病理性疼痛(neuropathic pain)的药物治疗：综述与元分析	Pharmacotherapy for neuropathic pain in adults: a systematic review and meta-analysis	Attal, N Hop Ambroise Pare, INSERM, U987, Boulogne, France	LANCET NEUROL 14 (2): 162-173 FEB 2015 http://www.thelancet.com/journals/laneur/article/PIIS1474-4422(14)70251-0/fulltext	10
89	帕金森氏病与 GTP 环化水解酶 1 基因(Gch1)突变携带者	Parkinsons disease in GTP cyclohydrolase 1 mutation carriers	Wood, NW UCL Inst Neurol, Dept Mol Neurosci, Queen Sq, London WC1N 3BG,	BRAIN 137: 2480-2492 PART 9 SEP 2014 http://brain.oxfordjournals.org/cont	10

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			England.	ent/137/9/2480	
90	将免疫组化技术、拷贝数分析和测序技术作为成人星形细胞瘤、少突胶质细胞瘤和胶质母细胞瘤整合诊断方法的基础	ATRX and IDH1-R132H immunohistochemistry with subsequent copy number analysis and IDH sequencing as a basis for an integrated diagnostic approach for adult astrocytoma, oligodendroglioma and glioblastoma	von Deimling, A German Canc Res Ctr, CCU Neuropathol, German Canc Consortium DKTK, Heidelberg, Germany.	ACTA NEUROPATHOL 129 (1): 133-146 JAN 2015 http://link.springer.com/article/10.1007/s00401-014-1370-3	8
91	利用高分辨率 MRI 发现，正常老龄化大脑血脑屏障的破坏始于海马	Blood-brain barrier breakdown in the aging human hippocampus	Zlokovic, BV Univ So Calif, Keck Sch Med, Zilkha Neurogenet Inst, Los Angeles, CA 90089 USA	NEURON 85 (2): 296-302 JAN 21 2015 http://www.sciencedirect.com/science/article/pii/S0896627314011416	8
92	发生在内侧顶叶（medial parietal lobe）的局部空间信	Anchoring the neural compass: coding of local spatial reference	Marchette, SA Univ Penn, Dept Psychol, 3815	NAT NEUROSCI 17 (11): 1598-1606 NOV 2014	8

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	息编码	frames in human medial parietal lobe	Walnut St, Philadelphia, PA 19104 USA.	http://www.nature.com/neuro/journal/v17/n11/full/nn.3834.html	
93	综述：额颞叶型痴呆的发病机制及其与肌萎缩性脊髓侧索硬化症之间的关系	Pathogenesis/genetics of frontotemporal dementia and how it relates to ALS	Pickering-Brown, SM Univ Manchester, Inst Brain Behav & Mental Hlth, Oxford Rd, Manchester M13 9PT, Lancs, England	EXP NEUROL 262: 84-90 PART B SP. ISS. SI DEC 2014 http://www.sciencedirect.com/science/article/pii/S0014488614001885	8
94	通过将成纤维细胞“重新编程”（reprogram）成为伤害性刺激感受神经元，从而实现体外痛觉模拟	Modeling pain in vitro using nociceptor neurons reprogrammed from fibroblasts	Woolf, CJ Boston Childrens Hosp, FM Kirby Neurobiol Ctr, Cambridge, MA 02142 USA	NAT NEUROSCI 18 (1): 17-+ JAN 2015 http://www.nature.com/neuro/journal/v18/n1/full/nn.3886.html	7
95	网格细胞（Grid cell）的定位功能依赖环境几何学特征	Grid cell symmetry is shaped by environmental geometry	Krupic, J UCL, Dept Cell & Dev Biol, Mortimer St, London WC1E 6BT, England	NATURE 518 (7538): 232-U199 FEB 12 2015 http://www.nature.com/nature/journal/v518/n7538/full/nature14153.ht	7

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96	初级视觉皮层兴奋性突触强度（synaptic strength）的功能架构	Functional organization of excitatory synaptic strength in primary visual cortex	Mrsic-Flogel, TD UCL, Dept Neurosci Physiol & Pharmacol, 21 Univ St, London WC1E 6DE, England	NATURE 518 (7539): - FEB 19 2015 http://www.nature.com/nature/journal/v518/n7539/abs/nature14182.html	7
97	指导间变性胶质瘤（anaplastic gliomas）治疗的分子生物学标识	Assessing CpG island methylator phenotype, 1p/19q codeletion, and MGMT promoter methylation from epigenome-wide data in the biomarker cohort of the NOA-04 trial	Wick, W Heidelberg Univ, Dept Neurooncol, Neurol Clin, Neuenheimer Feld 400, D-69120 Heidelberg, Germany	NEURO-ONCOLOGY 16 (12): 1630-1638 DEC 2014 http://neuro-oncology.oxfordjournals.org/content/16/12/1630.short	7
98	随着精神疾病的恶化，皮层厚度进行性变薄：一个多点（multisite）纵向神经影像	Progressive reduction in cortical thickness as psychosis develops: a multisite longitudinal neuroimaging	Cannon, TD Yale Univ, Dept Psychol, 2 Hillhouse Ave,POB 208205, New Haven, CT	BIOL PSYCHIAT 77 (2): 147-157 JAN 15 2015 http://www.sciencedirect.com/scien	6

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	研究	study of youth at elevated clinical risk	06520 USA.	ce/article/pii/S0006322314004144	
99	自闭症谱系障碍患者静息态功能连接模式异常	The idiosyncratic brain: distortion of spontaneous connectivity patterns in autism spectrum disorder	Malach, R Weizmann Inst Sci, Dept Neurobiol, IL-76100 Rehovot, Israel	NAT NEUROSCI 18 (2): 302-309 FEB 2015 http://www.nature.com/neuro/journal/v18/n2/full/nn.3919.html	6
100	综述：PINK1、Parki 及线粒体功能在帕金森氏病中的作用	The roles of pink1, parkin, and mitochondrial fidelity in parkinsons disease	Youle, RJ NINDS, Biochem Sect, Surg Neurol Branch, NIH, Bethesda, MD 20892 USA	NEURON 85 (2): 257-273 JAN 21 2015 http://www.sciencedirect.com/science/article/pii/S0896627314010885	5
101	任务诱导的皮层兴奋性与经颅直流电刺激（transcranial direct current stimulation，tDCS）诱导的皮层兴奋性如何相互作用	The interaction with task-induced activity is more important than polarization: a TDCs study	Bortoletto, M IRCCS Ctr San Giovanni Dio Fatebenefratelli, Cognit Neurosci Sect, Via Pilastroni 4, I-25125 Brescia, Italy.	BRAIN STIMUL 8 (2): 269-276 MAR-APR 2015 http://www.sciencedirect.com/science/article/pii/S1935861X14003623	5

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102	综述：即兴音乐（musical improvisation）的神经科学机制	The neuroscience of musical improvisation	Beaty, RE Univ N Carolina, Dept Psychol, POB 26170, Greensboro, NC 27402 USA.	NEUROSCI BIOBEHAV REV 51: 108-117 APR 2015 http://www.sciencedirect.com/science/article/pii/S0149763415000068	5
103	成年小鼠室管膜下区（subependymal zone，SEZ）克隆扩充（clonal expansion）与神经干细胞自我更新	Fast clonal expansion and limited neural stem cell self-renewal in the adult subependymal zone	Ninkovic, J Helmholtz Ctr, Inst Stem Cell Res, Munich, Germany.	NAT NEUROSCI 18 (4): 490-+ APR 2015 http://www.nature.com/neuro/journal/v18/n4/full/nn.3963.html	4
104	综述：深部脑刺激治疗 Tourette 综合征（Tourette syndrome，又称 Gilles de la tourette 综合征、抽动秽语综合征）	Tourette syndrome deep brain stimulation: a review and updated recommendations	Okun, MS Ctr Movement Disorders & Neurorestorat, Dept Neurol, 3450 Hull Rd, Gainesville, FL 32607 USA	MOVEMENT DISORD 30 (4): 448-471 APR 2015 http://onlinelibrary.wiley.com/doi/10.1002/mds.26094/abstract	4
105	环孢霉素 A（Cyclosporin A，CsA）治疗创伤性脑损伤	Establishing a clinically relevant large animal model platform for tbi	Margulies, SS Univ Penn, Dept Bioengn, 210 S 33rd	BRAIN PATHOL 25 (3): 289-303 MAY 2015	4

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	(Traumatic Brain Injury)的个案研究	therapy development: using cyclosporin a as a case study	St,240 Skirkanich Hall, Philadelphia, PA 19104 USA.	http://onlinelibrary.wiley.com/doi/10.1111/bpa.12247/abstract	
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