ESI 中神经科学与行为领域热点论文信息推送

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——基于 2016 年 5 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 12 月至 2015 年 12 月发表的文章中，在 2016 年 1 月和 2 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 2016 年 5 月 26 日。

本期发布神经科学与行为领域热点文章 93 篇，其中首次入榜文章 45 篇。单篇最高被引 228 次，最低被引 5 次。被引 228 次的文章由耶鲁大学的 Walter N. Kernan 等人发表在 *Stroke* 上，标题为“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”，提出缺血性卒中（Ischemic Stroke）和短暂性脑缺血发作（Transient Ischemic Attack）幸存者预防中风发作的指导方针。首次入榜的 45 篇中单篇最高被引 70 次的是印地安那大学伯明顿分校（Indiana University）心理学与脑科学系的 Olaf Sporns 发表在 *Nature Neuroscience* 上的工作，标题为“Contributions and challenges for network models in cognitive neuroscience”，是关于认知神经科学中的脑网络模型的综述。

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：

37：帕金森氏病的流行病学状况——综述与元分析；

39：哺乳动物养育行为的生物学基础及其对后代社会行为发展的影响的综述；

41：阿尔茨海默症患者大脑出现表观遗传改变；

45：α-突触核蛋白（α - synuclein）聚集物的结构及形状的不同，导致个体是否患帕金森氏病或多系统萎缩症（Multiple System Atrophy）；

55：给转基因小鼠后肢注射α-突触核蛋白，导致中枢神经系统突触核蛋白病；

57：宿主微生物群调控中枢神经系统小胶质细胞的成熟与功能；

58：从精神分裂症患者皮肤细胞提取的神经元，在发育阶段早期表现异常；

70：消除人类步行时脑电记录中与步态相关的运动伪迹；

90：脑功能连接（Functional Connectivity）模式可识别个体身份。

该领域所有热点文章的详细信息请见附表（按文章被引次数排列）。

附表：ESI 2016 年 5 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	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	228
2	推动阿尔茨海默症的诊断标准：IWG-2 标准	Advancing research diagnostic criteria for Alzheimer's 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	181
3	小鼠全脑范围内细胞水平的中	A mesoscale connectome of the mouse	Zeng, HK	NATURE 508 (7495): 207-+	143

	尺度（mesoscale）连接组（connectome）	brain	Allen Inst Brain Sci, Seattle, WA 98103 USA.	APR 10 2014 http://www.nature.com/nature/journal/v508/n7495/full/nature13186.html	
4	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 Cerebral Cortex	Zhang, Y Stanford Univ, Sch Med, Dept Neurobiol, 299 Campus Dr,Fairchild Bldg, Stanford, CA 94305 USA	J NEUROSCI 34 (36): 11929-11947 SEP 3 2014 http://www.jneurosci.org/content/34/36/11929.short	127
5	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	125

6	静息态下的全脑连接动力学	Tracking Whole-Brain Connectivity Dynamics in the Resting State	Allen, EA Mind Res Network, Albuquerque, NM 87106 USA.	CEREB CORTEX 24 (3): 663-676 MAR 2014 http://cercor.oxfordjournals.org/content/24/3/663	121
7	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	114
8	早期创伤应激改变小鼠微 RNA（microRNA）	Implication of sperm RNAs in transgenerational inheritance of the effects of early trauma in mice	Mansuy, IM Univ Zurich, Neurosci Ctr Zurich, Brain Res Inst, Zurich, Switzerland	NAT NEUROSCI 17 (5): 667-+ MAY 2014 http://www.nature.com/neuro/journal/v17/n5/full/nn.3695.html	108

9	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 Alzheimer's 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	107
10	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	106
11	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	105

12	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/science/article/pii/S1474442213702783	103
13	老年鼠脑中血管和神经组织的再生	Vascular and Neurogenic Rejuvenation of the Aging Mouse Brain by Young Systemic Factors	Katsimpardi, L Harvard Univ, Dept Stem Cell & Regenerat Biol, Cambridge, MA 02138 USA.	SCIENCE 344 (6184): 630-634 MAY 9 2014 http://www.sciencemag.org/content/344/6184/630	100
14	小神经胶质细胞（microglia）信号传导通路受损影响小鼠社会性互动行为，损伤海马与前额叶之间的功能连接	Deficient neuron-microglia signaling results in impaired functional brain connectivity and social behavior	Gross, CT EMBL, Mouse Biol Unit, Monterotondo, Italy.	NAT NEUROSCI 17 (3): 400-406 MAR 2014 http://www.nature.com/neuro/journal/v17/n3/full/nn.3641.html	90
15	多发性硬化症临床病程的定义	Defining the clinical course of multiple	Lublin, FD	NEUROLOGY 83 (3): 278-286	85

	（2013 修订版）	sclerosis The 2013 revisions	Icahn Sch Med Mt Sinai, Corinne Goldsmith Dickenson Ctr Multiple Sclerosi, New York, NY 10029 USA	JUL 15 2014 http://www.ncbi.nlm.nih.gov/pubmed/24871874	
16	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	83
17	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	81
18	重复经颅磁刺激治疗性应用的	Evidence-based guidelines on the	Lefaucheur, JP	CLIN NEUROPHYSIOL 125	80

	循证指导方针	therapeutic use of repetitive transcranial magnetic stimulation (rTMS)	Hop Henri Mondor, Serv Physiol, 51 Ave Lattre Tassigny, F-94010 Creteil, France.	(11): 2150-2206 NOV 2014 http://www.sciencedirect.com/science/article/pii/S138824571400296X	
19	一般线性模型的数据排列（permutation）方法	Permutation inference for the general linear model	Winkler, AM Univ Oxford, Oxford Ctr Funct MRI Brain, Oxford, England.	NEUROIMAGE 92: 381-397 MAY 15 2014 http://www.sciencedirect.com/science/article/pii/S1053811914000913	76
20	集落刺激因子 1 受体（Colony-stimulating factor receptor，CSF1R）抑制剂可以完全清除成体小鼠大脑 CNS 中的小胶质细胞，后者可以加速包括阿尔茨海默病和帕金森在内的	Colony-Stimulating Factor 1 Receptor Signaling Is Necessary for Microglia Viability, Unmasking a Microglia Progenitor Cell in the Adult Brain	Green, KN Univ Calif Irvine, Inst Memory Impairments & Neurol Disorders, Dept Neurobiol & Behav, Irvine, CA 92697 USA	NEURON 82 (2): 380-397 APR 16 2014 http://www.sciencedirect.com/science/article/pii/S0896627314001718	72

	多种神经系统疾病的恶化				
21	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	72
22	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	72
23	小神经胶质细胞在神经退行性疾病中的作用	Microglial priming in neurodegenerative disease	Perry, VH Univ Southampton, Fac Nat & Environm Sci, Ctr Biol Sci, Tremona Rd, Southampton SO16 6YD, Hants, England.	NAT REV NEUROL 10 (4): 217-224 APR 2014 http://www.nature.com/nrneurol/journal/v10/n4/full/nrneurol.2014.38.html	70

24	综述：认知神经科学中的脑网络模型	Contributions and challenges for network models in cognitive neuroscience	Sporns, O Indiana Univ, Dept Psychol & Brain Sci, Bloomington, IN 47405 USA.	NAT NEUROSCI 17 (5): 652-660 MAY 2014 http://www.nature.com/neuro/journal/v17/n5/full/nn.3690.html	70
25	综述：阿尔茨海默症中的神经炎症	Neuroinflammation in Alzheimer's disease	Heneka, MT Univ Bonn, Dept Neurol, Univ Hosp Bonn, D-53127 Bonn, Germany	LANCET NEUROL 14 (4): 388-405 APR 2015 http://www.sciencedirect.com/science/article/pii/S1474442215700165	66
26	基于团块的阈值化（Cluster-extent Thresholding）	Cluster-extent based thresholding in fMRI analyses: Pitfalls and recommendations	Wager, TD Univ Colorado, Dept Psychol & Neurosci, 345 UCB, Boulder, CO 80309 USA.	NEUROIMAGE 91: 412-419 MAY 1 2014 http://www.sciencedirect.com/science/article/pii/S1053811914000020	66

27	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	65
28	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	65
29	电脑芯片可模仿人脑的特征	A million spiking-neuron integrated circuit with a scalable communication network and interface	Modha, DS IBM Res Almaden, 650 Harry Rd, San Jose, CA 95120 USA.	SCIENCE 345 (6197): 668-673 AUG 8 2014 http://science.sciencemag.org/co	62

				ntent/345/6197/668	
30	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	54
31	脑部早期 DNA 甲基化（DNA methylation）参与阿尔茨海默症的发生	Alzheimer's disease: early alterations in brain DNA methylation at ANK1, BIN1, RHBDF2 and other loci	De Jager, PL Brigham & Womens Hosp, Dept Neurol, Inst Neurosci, Program Translat NeuroPsychiat Genom, 75 Francis St, Boston, MA 02115 USA.	NAT NEUROSCI 17 (9): 1156-1163 SEP 2014 http://www.nature.com/neuro/journal/v17/n9/full/nn.3786.html	53
32	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,	NAT REV NEUROSCI 15 (10): 655-669 OCT 2014 http://www.nature.com/nrn/jour	53

			Campus Montegancedo, Pozuelo De Alarcon 28223, Spain	nal/v15/n10/full/nrn3785.html?WT.ec_id=NRN-201410	
33	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	52
34	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	52
35	人脑中的基因表达	Genetic variability in the regulation of gene expression in ten regions of the	Ryten, M Guys Hosp, Kings Coll London,	NAT NEUROSCI 17 (10): 1418-1428 OCT 2014	44

		human brain	Dept Med & Mol Genet, London SE1 9RT, England.	http://www.nature.com/neuro/journal/v17/n10/full/nn.3801.html	
36	突显网络（Salience Network)与神经精神障碍	Salience processing and insular cortical function and dysfunction	Uddin, LQ Univ Miami, Dept Psychol, POB 248185-0751, Coral Gables, FL 33124 USA	NAT REV NEUROSCI 16 (1): 55-61 JAN 2015 http://www.nature.com/nrn/journal/v16/n1/full/nrn3857.html	43
37	帕金森氏病的流行病学状况：综述与元分析	The Prevalence of Parkinson's Disease: A Systematic Review and Meta-analysis	Pringsheim, T Alberta Childrens Prov Gen Hosp, C4-431,2888 Shaganappi Trail NW, Calgary, AB T3B 6A8, Canada.	MOVEMENT DISORD 29 (13): 1583-1590 NOV 2014 http://onlinelibrary.wiley.com/doi/10.1002/mds.25945/full	43
38	杏仁核：从解剖连接到行为功能	From circuits to behaviour in the amygdala	Janak, PH Johns Hopkins Univ, Dept Psychol & Brain Sci, Baltimore, MD 21218 USA.	NATURE 517 (7534): 284-292 JAN 15 2015 http://www.nature.com/nature/journal/v517/n7534/full/nature141	42

				88.html	
39	综述：哺乳动物养育行为的生物学基础及其对后代社会行为发展的影响	The biology of mammalian parenting and its effect on offspring social development	Young, LJ Emory Univ, Yerkes Natl Primate Res Ctr, Dept Psychiat & Behav Sci, Silvio O Conte Ctr Oxytocin & Social Cognit,Ctr T, Atlanta, GA 30329 USA	SCIENCE 345 (6198): 771-776 AUG 15 2014 http://science.sciencemag.org/content/345/6198/771	42
40	肌萎缩性侧索硬化症（Amyotrophic Lateral Sclerosis，ALS）	Exome sequencing in amyotrophic lateral sclerosis identifies risk genes and pathways	Harris, T Biogen Inc, 14 Cambridge Ctr, Cambridge, MA 02142 USA.	SCIENCE 347 (6229): 1436-1441 MAR 27 2015 http://science.sciencemag.org/content/347/6229/1436	39
41	阿尔茨海默症患者大脑出现表观遗传改变	Methylomic profiling implicates cortical deregulation of ANK1 in Alzheimer's disease	Mill, J Univ Exeter, Sch Med, Exeter, Devon, England	NAT NEUROSCI 17 (9): 1164-1170 SEP 2014 http://www.nature.com/neuro/journal/v17/n9/full/nn.3782.html	39

42	精神疾病的全基因组关联研究(Genome-Wide Association Studies)	Psychiatric genome-wide association study analyses implicate neuronal, immune and histone pathways	Breen, G Kings Coll London, Inst Psychiat Psychol & Neurosci, Social Genet & Dev Psychiat Ctr, MRC, London, England	NAT NEUROSCI 18 (2): 199-209 FEB 2015 http://www.nature.com/neuro/journal/v18/n2/abs/nn.3922.html?message-global=remove	38
43	综述：正念冥想的神经科学机制	The neuroscience of mindfulness meditation	Tang, YY Texas Tech Univ, Dept Psychol Sci, Lubbock, TX 79409 USA	NAT REV NEUROSCI 16 (4): 213-U80 APR 2015 http://www.nature.com/nrn/journal/v16/n4/abs/nrn3916.html	38
44	综述：正常和异常脑功能状态中多聚不饱和脂肪酸（polyunsaturated fatty acid）及其代谢	Polyunsaturated fatty acids and their metabolites in brain function and disease	Bazinet, RP Univ Toronto, Dept Nutr Sci, Toronto, ON M5S 3E2, Canada	NAT REV NEUROSCI 15 (12): 771-785 DEC 2014 http://www.nature.com/nrn/journal/v15/n12/abs/nrn3820.html	37

45	α-突触核蛋白（α- synuclein）聚集物的结构及形状的不同，导致个体是否患帕金森氏病或多系统萎缩症（Multiple System Atrophy）	α-Synuclein strains cause distinct synucleinopathies after local and systemic administration	Baekelandt, V Katholieke Univ Leuven, Lab Neurobiol & Gene Therapy, Dept Neurosci, B-3000 Leuven, Belgium	NATURE 522 (7556): 340-+ JUN 18 2015 http://www.ncbi.nlm.nih.gov/pubmed/26061766	36
46	老龄化大脑血管周围蛋白代谢废物清除系统被破坏	Impairment of Paravascular Clearance Pathways in the Aging Brain	Iliff, JJ Oregon Hlth & Sci Univ, Dept Anaesthesiol & Perioperat Med, 3181 SW Sam Jackson Pk Rd,Mail Code HRC5N, Portland, OR 97239 USA.	ANN NEUROL 76 (6): 845-861 DEC 2014 http://onlinelibrary.wiley.com/doi/10.1002/ana.24271/abstract	36
47	美国心脏协会（American Heart Association）/美国卒中协会(American Stroke Association)发布卒中幸存者开展体力活动和	Physical Activity and Exercise Recommendations for Stroke Survivors A Statement for Healthcare Professionals From the American Heart	Billinger, SA Univ Kansas, Med Ctr, Lawrence, KS 66045 USA.	STROKE 45 (8): 2532-2553 AUG 2014 http://stroke.ahajournals.org/content/45/8/2532.abstract	34

	运动的指南	Association/American Stroke Association			
48	综述：炎症在阿尔茨海默症发病机制中的角色	Immune attack: the role of inflammation in Alzheimer disease	Heppner, FL Charite, Dept Neuropathol, Charite Pl 1, D-10117 Berlin, Germany.	NAT REV NEUROSCI 16 (6): 358-372 JUN 2015 http://www.nature.com/nrn/journal/v16/n6/full/nrn3880.html	32
49	综述：视神经脊髓炎谱系障碍（neuromyelitis optica spectrum disorders）的诊断标准	International consensus diagnostic criteria for neuromyelitis optica spectrum disorders	Wingerchuk, DM Mayo Clin, Dept Neurol, Scottsdale, AZ 85259 USA	NEUROLOGY 85 (2): 177-189 JUL 14 2015 http://www.neurology.org/content/85/2/177.abstract	32
50	综述：父母养育行为的神经基础	Neural control of maternal and paternal behaviors	Dulac, C Harvard Univ, Howard Hughes Med Inst, Dept Mol & Cellular	SCIENCE 345 (6198): 765-770 AUG 15 2014 http://science.sciencemag.org/co	30

			Biol, Ctr Brain Sci, Cambridge, MA 02138 USA.	ntent/345/6198/765	
51	综述：恐惧条件化和恐惧记忆的神经编码机制	Encoding of fear learning and memory in distributed neuronal circuits	Johansen, JP RIKEN Brain Sci Inst, Lab Neural Circuitry Memory, Wako, Saitama, Japan	NAT NEUROSCI 17 (12): 1644-1654 DEC 2014 http://www.nature.com/neuro/journal/v17/n12/full/nn.3869.html	30
52	随着精神疾病的恶化，皮层厚度进行性变薄：一个多点（multisite）纵向神经影像研究	Progressive Reduction in Cortical Thickness as Psychosis Develops: A Multisite Longitudinal Neuroimaging Study of Youth at Elevated Clinical Risk	Cannon, TD Yale Univ, Dept Psychol, 2 Hillhouse Ave,POB 208205, New Haven, CT 06520 USA.	BIOL PSYCHIAT 77 (2): 147-157 JAN 15 2015 http://www.sciencedirect.com/science/article/pii/S0006322314004144	29
53	综述：针对脑、脊髓与神经根的非侵入性电刺激与磁刺激的临床实践基本原则	Non-invasive electrical and magnetic stimulation of the brain, spinal cord, roots and peripheral nerves: Basic principles and procedures for routine	Di Iorio, R Univ Cattolica Sacro Cuore, Dept Geriatr Neurosci & Orthoped, Policlin A Gemelli, Inst Neurol,	CLIN NEUROPHYSIOL 126 (6): 1071-1107 JUN 2015 http://www.sciencedirect.com/science/article/pii/S1388245715001500	27

		clinical and research application. An updated report from an IFCN Committee	Lgo A Gemelli 8, I-00168 Rome, Italy	0711	
54	美国心脏协会（AMERICAN HEART ASSOCIATION）/美国中风协会(American Stroke Association)：自发性脑出血(spontaneous intracerebral hemorrhage)诊断与治疗的指导方针	Guidelines for the Management of Spontaneous Intracerebral Hemorrhage A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association	Hemphill, JC Univ Calif San Francisco, San Francisco, CA 94143 USA	STROKE 46 (7): 2032-2060 JUL 2015 http://stroke.ahajournals.org/content/46/7/2032.full	27
55	给转基因小鼠后肢注射α-突触核蛋白，导致中枢神经系统突触核蛋白病	Intramuscular injection of alpha-synuclein induces CNS alpha-synuclein pathology and a rapid-onset motor phenotype in transgenic mice	Golde, TE Univ Florida, Coll Med, Dept Neurosci, Gainesville, FL 32610 USA.	PROC NAT ACAD SCI USA 111 (29): 10732-10737 JUL 22 2014 http://www.pnas.org/content/111/29/10732.long	26
56	催产素与母性行为（Maternal	Oxytocin enables maternal behaviour	Froemke, RC	NATURE 520 (7548): 499-+	25

	Behaviour）	by balancing cortical inhibition	NYU, Sch Med, Skirball Inst Biomol Med, New York, NY 10016 USA.	APR 23 2015 http://www.nature.com/nature/journal/v520/n7548/full/nature14402.html	
57	宿主微生物群调控中枢神经系统小胶质细胞的成熟与功能	Host microbiota constantly control maturation and function of microglia in the CNS	Prinz, M Univ Freiburg, Inst Neuropathol, Hugstetter Str 55, D-79106 Freiburg, Germany.	NAT NEUROSCI 18 (7): 965-+ JUL 2015 http://www.nature.com/neuro/journal/v18/n7/abs/nn.4030.html	22
58	利用干细胞技术发现，从精神分裂症患者皮肤细胞提取的神经元，在发育阶段早期表现异常	Phenotypic differences in hiPSC NPCs derived from patients with schizophrenia	Brennand, K Salk Inst Biol Studies, Genet Lab, 10010 North Torrey Pines Rd, La Jolla, CA 92037 USA.	MOL PSYCHIATR 20 (3): 361-368 MAR 2015 http://www.nature.com/mp/journal/v20/n3/full/mp201422a.html	20
59	美国心脏协会（American Heart Association，AHA）/美国卒中协	2015 American Heart Association/American Stroke		STROKE 46 (10): 3020-3035 OCT 2015	20

	会（American Stroke Association，ASA）于 2015 年更新 2013 版急性缺血性卒中早期管理指导方针	Association Focused Update of the 2013 Guidelines for the Early Management of Patients With Acute Ischemic Stroke Regarding Endovascular Treatment A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association		http://stroke.ahajournals.org/content/46/10/3020.short?ssource=mfr	
60	专家评论：抑郁症应激系统的组织架构与功能失调	The organization of the stress system and its dysregulation in depressive illness	Gold, PW NIMH, Clin Neuroendocrinol Branch, 10 Ctr Dr,Room 2D46, Bethesda, MD 20892 USA.	MOL PSYCHIATR 20 (1): 32-47 FEB 2015 http://www.nature.com/mp/journal/v20/n1/pdf/mp2014163a.pdf?WT.ec_id=MP-201502	19
61	利用光遗传学技术，研究下边缘皮层（Infralimbic Cortex）在恐惧消退（Fear Extinction）中的角	Revisiting the Role of Infralimbic Cortex in Fear Extinction with Optogenetics	Do-Monte, FH Univ Puerto Rico, Sch Med, Dept Psychiat & Anat, San Juan, PR	J NEUROSCI 35 (8): 3607-3615 FEB 25 2015 http://www.jneurosci.org/conten	18

	色		00936 USA.	t/35/8/3607.full	
62	有关走神（Mind-Wandering）及相关自发思维（Spontaneous Thought）的功能神经影像研究的元分析	The wandering brain: Meta-analysis of functional neuroimaging studies of mind-wandering and related spontaneous thought processes	Fox, KCR Univ British Columbia, Dept Psychol, 2136 W Mall, Vancouver, BC V6T 1Z4, Canada.	NEUROIMAGE 111: 611-621 MAY 1 2015 http://www.sciencedirect.com/science/article/pii/S1053811915001408	18
63	深部脑刺激治疗帕金森氏病	Therapeutic deep brain stimulation reduces cortical phase-amplitude coupling in Parkinson's disease	de Hemptinne, C Univ Calif San Francisco, Dept Neurol Surg, San Francisco, CA 94143 USA.	NAT NEUROSCI 18 (5): 779-+ MAY 2015 http://www.nature.com/neuro/journal/v18/n5/full/nn.3997.html	18
64	综述：癫痫相关基因组	Pathway-driven discovery of epilepsy genes	Noebels, J Baylor Coll Med, Dev Neurogenet Lab, Dept Neurol, Houston, TX 77030 USA.	NAT NEUROSCI 18 (3): 344-350 MAR 2015 http://www.nature.com/neuro/journal/v18/n3/full/nn.3933.html?	16

				WT.ec_id=NEURO-201503	
65	α-突触核蛋白寡聚体与帕金森氏病	Direct visualization of alpha-synuclein oligomers reveals previously undetected pathology in Parkinson's disease brain	Alegre-Abarrategui, J Univ Oxford, Dept Physiol Anat & Genet, Le Gros Clark Bldg,South Pk Rd, Oxford OX1 3QX, England.	BRAIN 138: 1642-1657 PART 6 JUN 1 2015 http://opdc.medsci.ox.ac.uk/_asset/file/direct-visualization-of-alpha-synuclein-oligomers-reveals-previously-undetected-pathology-in.pdf	15
66	关于美国多系统萎缩症自然史（Natural History）的一项前瞻性队列研究	Natural history of multiple system atrophy in the USA: a prospective cohort study	Low, PA Mayo Clin, Dept Neurol, Rochester, MN 55905 USA	LANCET NEUROL 14 (7): 710-719 JUL 2015 http://www.sciencedirect.com/science/article/pii/S1474442215000587	12
67	综述：炎症和小胶质细胞活化	The Role of Inflammation and	Reus, GZ	NEUROSCIENCE 300:	12

	（Microglial Activation）在精神疾病中的作用	Microglial Activation in the Pathophysiology of Psychiatric Disorders	Univ Texas Houston, Sch Med, Ctr Expt Models Psychiat, Dept Psychiat & Behav Sci, Houston, TX 77054 USA.	141-154 AUG 6 2015 http://www.sciencedirect.com/science/article/pii/S0306452215004509	
68	在多系统萎缩症中，针对α-突触核蛋白的主动免疫可延缓疾病恶化	Active immunization against alpha-synuclein ameliorates the degenerative pathology and prevents demyelination in a model of multiple system atrophy	Masliah, E Univ Calif San Diego, Dept Neurosci, 9500 Gilman Dr, La Jolla, CA 92093 USA.	MOL NEURODEGENER 10: - MAR 19 2015 http://link.springer.com/article/10.1186/s13024-015-0008-9	11
69	利用诱导多能干细胞（Induced Pluripotent Stem Cell，iPSC）研究双相障碍的分子和细胞基础	Characterization of bipolar disorder patient-specific induced pluripotent stem cells from a family reveals neurodevelopmental and mRNA expression abnormalities	Madison, JM Broad Inst MIT & Harvard, Stanley Ctr Psychiat Res, Cambridge, MA 02142 USA	MOL PSYCHIATR 20 (6): 703-717 JUN 2015 http://www.nature.com/mp/journal/v20/n6/full/mp20157a.html	11
70	消除人类步行时脑电记录中与步态相关的运动伪迹	Isolating gait-related movement artifacts in electroencephalography	Kline, JE Univ Michigan, Dept Biomed	J NEURAL ENG 12 (4): - AUG 2015	11

		during human walking	Engn, Ann Arbor, MI 48109 USA	http://iopscience.iop.org/article/10.1088/1741-2560/12/4/046022/pdf	
71	额颞叶型痴呆/肌萎缩性脊髓侧索硬化症	Modifiers of C9orf72 dipeptide repeat toxicity connect nucleocytoplasmic transport defects to FTD/ALS	Gitler, AD Stanford Univ, Dept Genet, Sch Med, Stanford, CA 94305 USA.	NAT NEUROSCI 18 (9): 1226-+ SEP 2015 http://www.nature.com/neuro/journal/v18/n9/full/nn.4085.html	11
72	肢端肥大症（Acromegaly）的历史	The History of Acromegaly	de Herder, WW Erasmus MC, Dept Internal Med, Endocrinol Sect, S Gravendijkwal 230, NL-3015 CE Rotterdam, Netherlands	NEUROENDOCRINOLOGY 103 (1): 7-17 2016 http://www.karger.com/Article/Abstract/371808	10
73	综述：多发性内分泌肿瘤（Multiple Endocrine Neoplasia）	MEN1, MEN4, and Carney Complex: Pathology and Molecular Genetics	Schernthaner-Reiter, MH NICHD, SEGEN, PDEGEN, NIH,Clin Res Ctr, 10 Ctr Dr,Bldg	NEUROENDOCRINOLOGY 103 (1): 18-31 2016 http://www.karger.com/Article/F	10

			10,Room 1-3330,MSC1103, Bethesda, MD 20892 USA.	ullText/371819	
74	手术治疗肢端肥大症	Novel Techniques in the Surgical Treatment of Acromegaly: Applications and Efficacy	Buchfelder, M; Schlaffer, SM Univ Erlangen Nurnberg, Dept Neurosurg, Schwabachanlage 6, DE-91054 Erlangen, Germany.	NEUROENDOCRINOLOGY 103 (1): 32-41 2016 https://www.karger.com/Article/Abstract/441980	9
75	放射疗法治疗肢端肥大症	The Role of Radiotherapy in Acromegaly	Drake, WM St Bartholomews Hosp, Dept Endocrinol, London EC1A 7BE, England	NEUROENDOCRINOLOGY 103 (1): 42-49 2016 http://www.karger.com/Article/Abstract/435776	9
76	多巴胺激动剂（dopamine agonist）或生长抑素类似物（somatostatin analog）治疗肢端肥大症	Medical Treatment of Acromegaly with Dopamine Agonists or Somatostatin Analogs	Chanson, P Hop Bicetre, AP HP, Serv Endocrinol & Malad Reprod, 78 Rue Gen Leclerc, FR-94275 Le Kremlin Bicetre, France.	NEUROENDOCRINOLOGY 103 (1): 50-58 2016 http://www.karger.com/Article/Abstract/377704	9

77	培维索孟（Pegvisomant，一种生长激素拮抗剂）治疗肢端肥大症	Pegvisomant Treatment in Acromegaly	Neggers, SJCMM Erasmus Univ, Med Ctr, Dept Med, Endocrinol Sect, POB 2040, NL-3000 CA Rotterdam, Netherlands	NEUROENDOCRINOLOGY 103 (1): 59-65 2016 https://www.karger.com/Article/Abstract/381644	9
78	影响肢端肥大症患者死亡率的因素	Treatment Factors That Influence Mortality in Acromegaly	Sherlock, M Univ Dublin Trinity Coll, Dept Endocrinol, Dublin 2, Ireland.	NEUROENDOCRINOLOGY 103 (1): 66-74 2016 http://www.karger.com/Article/Abstract/375163	9
79	肢端肥大症患者常伴有心血管疾病与睡眠呼吸障碍（Sleep-Disordered Breathing）	Cardiovascular Disease and Sleep-Disordered Breathing in Acromegaly	Gurnell, M Univ Cambridge, Wellcome Trust MRC Inst Metab Sci, Metab Res Labs, Box 289,Addenbrookes Hosp Hills Rd, Cambridge CB2 0QQ, England.	NEUROENDOCRINOLOGY 103 (1): 75-85 2016 http://www.karger.com/Article/Abstract/438903	9
80	肢端肥大症患者的骨和关节障	Bone and Joint Disorders in	Claessen, KMJA	NEUROENDOCRINOLOGY	9

	碍	Acromegaly	Leiden Univ, Med Ctr, Dept Endocrinol & Metab, C7-Q POB 9600, NL-2300 RC Leiden, Netherlands	103 (1): 86-95 2016 http://www.karger.com/Article/Abstract/375450	
81	肢端肥大症患者的葡萄糖和脂肪代谢	Glucose and Fat Metabolism in Acromegaly: From Mice Models to Patient Care	Jorgensen, JOL Aarhus Univ Hosp, Dept Endocrinol & Internal Med, DK-8000 Aarhus C, Denmark	NEUROENDOCRINOLOGY 103 (1): 96-105 2016 http://www.karger.com/Article/Abstract/430819	9
82	肢端肥大症患者的生活质量	Quality of Life in Acromegaly	Webb, SM Hosp Santa Creu & Sant Pau, Pare Claret 167, ES-08025 Barcelona, Spain.	NEUROENDOCRINOLOGY 103 (1): 106-111 2016 http://www.karger.com/Article/Abstract/375451	9
83	结构特异性（Conformation-Specific）抗体与共核蛋白病（Synucleinopathies）	Generation and characterization of novel conformation-specific monoclonal antibodies for	El-Agnaf, OMA Qatar Fdn, HBKU, Coll Sci Engn & Technol, Life Sci Sect, Doha,	NEUROBIOL DISEASE 79: 81-99 JUL 2015 http://www.sciencedirect.com/sc	8

		alpha-synuclein pathology	Qatar.	ience/article/pii/S0969996115001564	
84	自闭症谱系障碍	Insights into Autism Spectrum Disorder Genomic Architecture and Biology from 71 Risk Loci	Sanders, SJ Univ Calif San Francisco, Dept Psychiat, San Francisco, CA 94143 USA.	NEURON 87 (6): 1215-1233 SEP 23 2015 http://www.sciencedirect.com/science/article/pii/S0896627315007734	8
85	共核蛋白病	Intrastriatal injection of pre-formed mouse alpha-synuclein fibrils into rats triggers alpha-synuclein pathology and bilateral nigrostriatal degeneration	Paumier, KL Michigan State Univ, Van Andel Inst, 333 Bostwick Ave NE, Grand Rapids, MI 49503 USA.	NEUROBIOL DISEASE 82: 185-199 OCT 2015 http://www.sciencedirect.com/science/article/pii/S0969996115002211	8
86	帕金森氏症合并运动或非运动性并发症	Pathophysiology of L-dopa-induced motor and non-motor complications in	Bezard, E Univ Bordeaux, Inst Malad	PROG NEUROBIOL 132: 96-168 SEP 2015	7

		Parkinson's disease	Neurodegenerat, Bat 3B 1er Etage,146 Rue Leo Saignat, F-33076 Bordeaux, France.	http://www.sciencedirect.com/science/article/pii/S0301008215000763	
87	高频阵发性偏头痛（Episodic Migraine）的预防性治疗	Safety, tolerability, and efficacy of TEV-48125 for preventive treatment of high-frequency episodic migraine: a multicentre, randomised, double-blind, placebo-controlled, phase 2b study	Bigal, ME Teva Pharmaceut, Global Clin Dev Migraine & Headaches, Frazer, PA 19355 USA.	LANCET NEUROL 14 (11): 1081-1090 NOV 2015 http://www.sciencedirect.com/science/article/pii/S1474442215002495	7
88	慢性偏头痛的预防性治疗	Safety, tolerability, and efficacy of TEV-48125 for preventive treatment of chronic migraine: a multicentre, randomised, double-blind, placebo-controlled, phase 2b study	Bigal, ME Teva Pharmaceut, Global Clin Dev Migraine & Headaches, Frazer, PA 19355 USA.	LANCET NEUROL 14 (11): 1091-1100 NOV 2015 http://www.sciencedirect.com/science/article/pii/S1474442215002458	7
89	双相障碍患者的超兴奋神经元	Differential responses to lithium in	Yao, J	NATURE 527 (7576): 95-99	7

	对锂处理的选择性反应	hyperexcitable neurons from patients with bipolar disorder	Tsinghua Univ, Sch Life Sci, McGovern Inst Brain Res, State Key Lab Membrane Biol,Tsinghua Peking Joint, Beijing 100084, Peoples R China.	NOV 5 2015 http://www.nature.com/nature/journal/v527/n7576/full/nature15526.html	
90	脑功能连接（Functional Connectivity）模式可识别个体身份	Functional connectome fingerprinting: identifying individuals using patterns of brain connectivity	Finn, ES Yale Univ, Interdept Neurosci Program, New Haven, CT 06520 USA.	NAT NEUROSCI 18 (11): 1664-1671 NOV 2015 http://www.nature.com/neuro/journal/v18/n11/abs/nn.4135.html	6
91	精神病基因组学联盟 PTSD 工作小组 (Psychiatric Genomics Consortium Posttraumatic Stress Disorder Workgroup)：PTSD 的遗传学基础	The Psychiatric Genomics Consortium Posttraumatic Stress Disorder Workgroup: Posttraumatic Stress Disorder Enters the Age of Large-Scale Genomic Collaboration	Logue, MW VA Boston Healthcare Syst, Mail Stop 151C,150 South Huntington Ave, Boston, MA 02130 USA	NEUROPSYCHOPHARMACOLOGY 40 (10): 2287-2297 SEP 2015 http://www.ncbi.nlm.nih.gov/pubmed/25904361	5
92	齿状核（Dentate Nuclei)加权成	Hyperintense Dentate Nuclei on	Adin, ME	AMER J NEURORADIOL 36	5

	像	T1-Weighted MRI: Relation to Repeat Gadolinium Administration	Johns Hopkins Med Inst, 600 N Wolfe St Phipps B100, Baltimore, MD 21287 USA	(10): 1859-1865 OCT 2015 http://www.ajnr.org/content/early/2015/09/10/ajnr.A4378.full.pdf+html	
93	大脑中性别差异的起源	Surprising origins of sex differences in the brain	McCarthy, MM Univ Maryland, Sch Med, 655 W Baltimore St, Baltimore, MD 21201 USA.	HORMONE BEHAV 76: 3-10 SP. ISS. SI NOV 2015 http://www.sciencedirect.com/science/article/pii/S0018506X15000063X	5