

ESI 中神经科学与行为领域热点论文 信息推送

2017 年 1 月 第 1 期（总第 33 期）

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发布日期：2017 年 2 月 15 日

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——基于 2017 年 1 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 2014 年 8 月至 2016 年 8 月发表的文章中, 在 2016 年 9 月和 10 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 12 月 14 日。

本期发布神经科学与行为领域热点文章 97 篇, 其中首次入榜文章 42 篇。单篇最高被引 203 次, 最低被引 3 次。被引 203 次的文章由德国波恩大学 (University of Bonn) 的 Michael T Heneka 等人合作发表在 *The Lancet Neurology* 上, 标题为“Neuroinflammation in Alzheimers disease”, 是一篇关于阿尔茨海默症中的神经炎症的综述。首次入榜的 42 篇中单篇最高被引 119 次的是哈佛大学 (Harvard University) 的 Se Hoon Choi 等人合作发表在 *Nature* 上的一篇文章, 标题为“A three-dimensional human neural cell culture model of Alzheimers disease”, 讨论了阿尔兹海默症的 3D 人类神经细胞培养模型。

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:

- 25: 视觉皮层对前馈式 (Feedforward) 和反馈式影响的整合依赖于不同频率的波段;
- 29: 淀粉样蛋白假说 (Amyloid Hypothesis);
- 46: 关于联合运用药理学、TMS 和 EMG/EEG 研究人类大脑的综述;
- 49: 帕金森氏病并发冲动控制障碍 (Impulse Control Disorders);
- 54: 经颅交流电刺激 (Transcranial Alternating Current Stimulation, tACS) 与神经系统可塑性;
- 75: fMRI 分析中涉及到的一些基本算法会产生假阳性“信号”, 并且发生频率较高;
- 78: 可疑非阿尔茨海默症病理生理学 (Suspected non-Alzheimer disease pathophysiology, SNAP): 指一类存在神经变性但没有 A β 沉积的患者;
- 80: 脑脊液和血液中的生物学标记物在阿尔兹海默症诊断中的角色——元分析;
- 82: 脑内的信号传导与神经耦合;
- 83: 丘脑向初级视觉皮层的信号输入;
- 86: 经颅直流电刺激 (Transcranial Direct Current Stimulation, tDCS) 对慢皮层磁场 (Slow

Cortical Magnetic Fields, SCF) 的影响;

91: 人类大脑皮层图谱。

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 2017 年 1 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	综述：阿尔茨海默症中的神经炎症	Neuroinflammation in Alzheimers disease	HENEKA, MT NA-BASQUE FDN SCI IKERBASQUE	LANCET NEUROL 14 (4): 388-405 APR 2015 http://www.sciencedirect.com/science/article/pii/S1474442215700165	203
2	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	ZEISEL, A KAROLINSKA INST	SCIENCE 347 (6226): 1138-1142 MAR 6 2015 http://www.sciencemag.org/content/347/6226/1138.abstract	165
3	重复经颅磁刺激治疗性应用的循证指导方针	Evidence-based guidelines on the therapeutic use of repetitive	LEFAUCHEUR, JP AHEPA UNIV HOSP	CLIN NEUROPHYSIOL 125 (11): 2150-2206 NOV 2014	160

		transcranial magnetic stimulation (rTMS)		http://www.sciencedirect.com/science/article/pii/S138824571400296X	
4	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	FINNERUP, NB AARHUS UNIV	LANCET NEUROL 14 (2): 162-173 FEB 2015 http://www.thelancet.com/journals/lanneur/article/PIIS1474-4422(14)70251-0/fulltext	159
5	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	CEREB CORTEX 24 (11): 2981-2990 NOV 2014 http://cercor.oxfordjournals.org/content/24/11/2981	129

6	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 CHILDRENS HOSP PHILADELPHIA	NEUROLOGY 85 (2): 177-189 JUL 14 2015 http://www.neurology.org/content/85/2/177.abstract	121
7	阿尔兹海默症的 3D 人类神经细胞培养模型	A three-dimensional human neural cell culture model of Alzheimers disease	CHOI, SH HARVARD UNIV	NATURE 515 (7526): 274- U293 NOV 13 2014 http://www.nature.com/nature/journal/v515/n7526/full/nature13800.html	119
8	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	Primary age-related tauopathy (PART): a common pathology associated with human aging	CRARY, JF BANNER HEALTH	ACTA NEUROPATHOL 128 (6): 755-766 DEC 2014 http://link.springer.com/article/1	119

	蛋白病变 (primary age-related tauopathy, PART)			0.1007/s00401-014-1349-0/fulltext.html	
9	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 BIOGEN IDEC	NAT REV NEUROSCI 16 (6): 358-372 JUN 2015 http://www.nature.com/nrn/journal/v16/n6/full/nrn3880.html	109
10	美国心脏协会 (American Heart Association, AHA) /美国卒中协会 (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	2015 American Heart Association/American Stroke 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	POWERS, WJ	STROKE 46 (10): 3020-3035 OCT 2015 http://stroke.ahajournals.org/content/46/10/3020.short?source=mfr	106

		Association/American Stroke Association			
11	帕金森氏病的流行病学调查: 综述与元分析	The prevalence of Parkinsons disease: a systematic review and meta-analysis	PRINGSHEIM, T UNIV CALGARY	MOVEMENT DISORD 29 (13): 1583-1590 NOV 2014 http://onlinelibrary.wiley.com/doi/10.1002/mds.25945/full	103
12	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 HARVARD UNIV	STROKE 46 (7): 2032-2060 JUL 2015 http://stroke.ahajournals.org/content/46/7/2032.full	103
13	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	PICKRELL, AM NATL INST HLTH (NIH) - USA	NEURON 85 (2): 257-273 JAN 21 2015	102

		disease		http://www.sciencedirect.com/science/article/pii/S0896627314010885	
14	综述: PINK1、Parki 及线粒体功能在帕金森氏病中的作用	Exome sequencing in amyotrophic lateral sclerosis identifies risk genes and pathways	CIRULLI, ET BIOGEN IDEC	NEURON 85 (2): 257-273 JAN 21 2015 http://www.sciencedirect.com/science/article/pii/S0896627314010885	99
15	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 clinical and research application. an updated report from an ifcn committee	ROSSINI, PM ASSISTANCE PUBLIQUE HOPITAUX PARIS	CLIN NEUROPHYSIOL 126 (6): 1071-1107 JUN 2015 http://www.sciencedirect.com/science/article/pii/S1388245715000711	96

16	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	NAT REV NEUROSCI 16 (1): 55-61 JAN 2015 http://www.nature.com/nrn/journal/v16/n1/full/nrn3857.html	95
17	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	NATURE 517 (7534): 284-292 JAN 15 2015 http://www.nature.com/nature/journal/v517/n7534/full/nature14188.html	94
18	进行性多灶性白质脑病 (progressive multifocal leukoencephalopathy)	Anti-jc virus antibody levels in serum or plasma further define risk of natalizumab-associated progressive multifocal leukoencephalopathy	PLAVINA, T BIOGEN IDEC	ANN NEUROL 76 (6): 802-812 DEC 2014 http://onlinelibrary.wiley.com/doi/10.1002/ana.24286/full	87

19	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)	Alpha-synuclein strains cause distinct synucleinopathies after local and systemic administration	PEELAERTS, W CNRS	NATURE 522 (7556): 340-+ JUN 18 2015 http://www.ncbi.nlm.nih.gov/pubmed/26061766	80
20	综述: 阿尔茨海默症的遗传学风险因素及病理机制	Alzheimers disease risk genes and mechanisms of disease pathogenesis	KARCH, CM WASHINGTON UNIV	BIOL PSYCHIAT 77 (1): 43-51 JAN 1 2015 http://www.sciencedirect.com/science/article/pii/S0006322314003394	80
21	共生菌调控小神经胶质细胞的成熟与功能	Host microbiota constantly control maturation and function of microglia in the CNS	ERNY, D HARVARD UNIV	NAT NEUROSCI 18 (7): 965-+ JUL 2015 http://www.nature.com/neuro/journal/v18/n7/abs/nn.4030.html	78

22	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	ODUSHLAINE, C AALBORG UNIV	NAT NEUROSCI 18 (2): 199- 209 FEB 2015 http://www.nature.com/neuro/journal/v18/n2/abs/nn.3922.html? message-global=remove	77
23	综述: 选择性在体 tau 蛋白成像	Tau imaging: early progress and future directions	VILLEMAGNE, VL AUSTIN RES INST	LANCET NEUROL 14 (1): 114-124 JAN 2015 http://www.sciencedirect.com/science/article/pii/S147444221470 2522	75
24	一种叫做 TBK1 的特异性酶在 肌萎缩性脊髓侧索硬化症和额 颞叶型痴呆中更为频繁地突变	Haploinsufficiency of tbk1 causes familial ALS and Fronto-Temporal Dementia	FREISCHMIDT, A CHARITE MED UNIV BERLIN	NAT NEUROSCI 18 (5): 631-+ MAY 2015 http://www.nature.com/neuro/journal/v18/n5/full/nn.4000.html	75

25	视觉皮层对前馈式 (Feedforward) 和反馈式影响的整合依赖于不同频率的波段	Visual areas exert feedforward and feedback influences through distinct frequency channels	BASTOS, AM INSERM;UNIV CALIF SYSTEM	NEURON 85 (2): 390-401 JAN 21 2015 http://www.sciencedirect.com/science/article/pii/S089662731401099X	73
26	小胶质细胞 (microglia) 和巨噬细胞 (macrophage) 在脑损伤修复中的积极作用	Microglial and macrophage polarization -new prospects for brain repair	HU, XM FUDAN UNIV	NAT REV NEUROL 11 (1): 56-64 JAN 2015 http://www.nature.com/nrneurology/journal/v11/n1/full/nrneuro.2014.207.html	72
27	综述: 紊乱的线粒体动力学与神经退行性病变	Disturbed mitochondrial dynamics and neurodegenerative disorders	BURTE, F BELLARIA HOSP	NAT REV NEUROL 11 (1): 11-24 JAN 2015 http://www.nature.com/nrneurology/journal/v11/n1/full/nrneuro.2014.207.html	72

				14.228.html	
28	综述：脑疾病的神经连接组学 (Connectomics)	The connectomics of brain disorders	FORNITO, A MONASH UNIV	NAT REV NEUROSCI 16 (3): 159-172 MAR 2015 http://www.nature.com/nrn/journal/v16/n3/full/nrn3901.html	66
29	淀粉样蛋白假说 (Amyloid Hypothesis)	Three dimensions of the amyloid hypothesis: time, space and wingmen	MUSIEK, ES WASHINGTON UNIV	NAT NEUROSCI 18 (6): 800-806 JUN 2015 http://www.nature.com/neuro/journal/v18/n6/abs/nn.4018.html	62
30	阿尔茨海默症协会 (Alzheimer's Association) 2015 年报告	Alzheimers association report 2015 Alzheimers disease facts and figures	---	ALZHEIMERS DEMENT 11 (3): 332-384 MAR 2015 https://www.ncbi.nlm.nih.gov/pubmed/25984581	62

31	由于雄性和雌性小鼠机械痛敏由不同免疫细胞调制，因此在痛觉研究中，雄性小鼠不能作为雌性小鼠的替代品	Different immune cells mediate mechanical pain hypersensitivity in male and female mice	SORGE, RE DUKE UNIV	NAT NEUROSCI 18 (8): 1081- + AUG 2015 http://www.nature.com/neuro/journal/v18/n8/full/nn.4053.html	59
32	综述：雌二醇（Oestradiol）与雌激素受体（Oestrogen Receptors, ERs）的神经保护功能	The neuroprotective actions of oestradiol and oestrogen receptors	AREVALO, MA CSIC	NAT REV NEUROSCI 16 (1): 17-29 JAN 2015 http://www.nature.com/nrn/journal/v16/n1/full/nrn3856.html	58
33	淀粉样级联假说（Amyloid Cascade Hypothesis）	The case for rejecting the amyloid cascade hypothesis	HERRUP, K HONG KONG UNIV SCI & TECHNOL	NAT NEUROSCI 18 (6): 794- 799 JUN 2015	57

				http://www.nature.com/neuro/journal/v18/n6/full/nn.4017.html	
34	ALS 中大脑运动神经元是如何死亡的	Antisense proline-arginine RAN dipeptides linked to C9ORF72-ALS/FTD form toxic nuclear aggregates that initiate in vitro and in vivo neuronal death	WEN, XM COLUMBIA UNIV	NEURON 84 (6): 1213-1225 DEC 17 2014 http://www.sciencedirect.com/science/article/pii/S0896627314010915	51
35	光遗传学 (Optogenetics) 技术	Optogenetics: 10 years of microbial opsins in neuroscience	DEISSEROTH, K HOWARD HUGHES MED INST	NAT NEUROSCI 18 (9): 1213-1225 SEP 2015 http://www.nature.com/neuro/journal/v18/n9/full/nn.4091.html	50
36	经颅直流电刺激 (transcranial direct current stimulation,	Quantitative review finds no evidence of cognitive effects in healthy	HORVATH, JC UNIV MELBOURNE	BRAIN STIMUL 8 (3): 535-550 MAY-JUN 2015	50

	tDCS) 对执行功能、语言和记忆等认知功能的影响	populations from single-session transcranial direct current stimulation (tdcs)		http://www.sciencedirect.com/science/article/pii/S1935861X15008578	
37	2008-2012 年美国原发性脑与中枢神经系统肿瘤流行病学调查	CBTRUS statistical report: primary brain and central nervous system tumors diagnosed in the united states in 2008-2012	OSTROM, QT CASE WESTERN RESERVE UNIV	NEURO-ONCOLOGY 17: 1-62 SUPPL. 4 OCT 2015 http://neuro-oncology.oxfordjournals.org/content/17/suppl_4/iv1.extract	49
38	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	JOVICIC, A KU LEUVEN;	NAT NEUROSCI 18 (9): 1226- + SEP 2015 http://www.nature.com/neuro/journal/v18/n9/full/nn.4085.html	49

39	帕金森氏病与肠道微生物群	Gut microbiota are related to Parkinsons disease and clinical phenotype	SCHEPERJANS, F HELSINKI UNIV CENT HOSP	MOVEMENT DISORD 30 (3): 350-358 MAR 2015 http://onlinelibrary.wiley.com/doi/10.1002/mds.26069/abstract	48
40	脑淀粉样血管病 (Cerebral Amyloid Angiopathy)	Evidence for human transmission of amyloid-beta pathology and cerebral amyloid angiopathy	JAUNMUKTANE, Z MRC;UNIV LONDON	NATURE 525 (7568): 247-+ SEP 10 2015 http://www.nature.com/nature/journal/v525/n7568/full/nature15369.html	48
41	综述: 阿尔茨海默症与帕金森氏症	Alzheimers and Parkinsons diseases: the prion concept in relation to assembled a beta, tau, and alpha-	GOEDERT, M MRC LAB MOL BIOL	SCIENCE 349 (6248): - AUG 7 2015 http://science.sciencemag.org/	48

		synuclein		ntent/349/6248/1255555	
42	综述：应激的神经机制	Mechanisms of stress in the brain	MCEWEN, BS ROCKEFELLER UNIV	NAT NEUROSCI 18 (10): 1353-1363 OCT 2015 http://www.nature.com/neuro/journal/v18/n10/abs/nn.4086.html	46
43	认知的节律	Rhythms for cognition: communication through coherence	FRIES, P MAX PLANCK SOCIETY	NEURON 88 (1): 220-235 OCT 7 2015 http://www.sciencedirect.com/science/article/pii/S0896627315008235	39
44	世界卫生组织：中枢神经系统肿瘤分类说明（2016 版）	The 2016 world health organization classification of tumors of the central nervous system: a summary	LOUIS, DN ASSIST PUBL HOSP MARSEILLE	ACTA NEUROPATHOL 131 (6): 803-820 JUN 2016 http://link.springer.com/article/1	36

				<u>0.1007%2Fs00401-016-1545-1</u>	
45	中枢神经系统的小胶质细胞和巨噬细胞	Alternatively activated microglia and macrophages in the central nervous system	FRANCO, R KAROLINSKA INST	PROG NEUROBIOL 131: 65-86 AUG 2015 http://www.sciencedirect.com/science/article/pii/S0301008215000568	33
46	综述：联合运用药理学、TMS和EMG/EEG研究人类大脑	TMS and drugs revisited 2014	ZIEMANN, U NA-BG UNIV HOSP BERGMANNSHEIL BOCHUM	CLIN NEUROPHYSIOL 126 (10): 1847-1868 OCT 2015 http://www.sciencedirect.com/science/article/pii/S1388245714008372	33
47	M1型和M2型小神经胶质细胞在神经退行性病变中的作用	Differential roles of M1 and M2 microglia in neurodegenerative	TANG, Y CHINESE ACAD SCI	MOL NEUROBIOL 53 (2): 1181-1194 MAR 2016	31

		diseases		http://link.springer.com/article/10.1007%2Fs12035-014-9070-5	
48	在离体阿尔茨海默症脑组织中，利用 PET 示踪剂研究 tau 蛋白病理性缠结	Validating novel tau positron emission tomography tracer [f-18]-av-1451 (t807) on postmortem brain tissue	MARQUIE, M HARVARD UNIV	ANN NEUROL 78 (5): 787-800 NOV 2015 http://onlinelibrary.wiley.com/doi/10.1002/ana.24517/full	31
49	帕金森氏病并发冲动控制障碍 (Impulse Control Disorders)	Clinical spectrum of impulse control disorders in Parkinsons disease	WEINTRAUB, D DUKE UNIV	MOVEMENT DISORD 30 (2): 121-127 FEB 2015 http://onlinelibrary.wiley.com/doi/10.1002/mds.26016/full#references	31
50	综述：多发性硬化症认知障碍的临床与影像评估	Clinical and imaging assessment of cognitive dysfunction in multiple	ROCCA, MA KESSLER INST REHABIL	LANCET NEUROL 14 (3): 302-317 MAR 2015	31

		sclerosis		http://www.sciencedirect.com/science/article/pii/S1474442214702509	
51	双相障碍患者的超兴奋神经元对锂处理的选择性反应	Differential responses to lithium in hyperexcitable neurons from patients with bipolar disorder	MERTENS, J CASE WESTERN RESERVE UNIV	NATURE 527 (7576): 95-99 NOV 5 2015 http://www.nature.com/nature/journal/v527/n7576/full/nature15526.html	30
52	肌萎缩性脊髓侧索硬化症/额颞叶型痴呆	ALS/FTD mutation-induced phase transition of FUS liquid droplets and reversible hydrogels into irreversible hydrogels impairs RNP granule function	MURAKAMI, T BARCELONA INST SCI TECH	NEURON 88 (4): 678-690 NOV 18 2015 http://www.sciencedirect.com/science/article/pii/S0896627315009241	30
53	综述: 先天性肌无力综合征	Congenital myasthenic syndromes:	ENGEL, AG	LANCET NEUROL 14 (4):	29

	(Congenital Myasthenic Syndromes) 的发病机制、诊断与治疗	pathogenesis, diagnosis, and treatment	MAYO	420-434 APR 2015 http://www.sciencedirect.com/science/article/pii/S1474442214702017	
54	经颅交流电刺激 (Transcranial Alternating Current Stimulation, tACS) 与神经系统可塑性	Alpha power increase after transcranial alternating current stimulation at alpha frequency (alpha-tACS) reflects plastic changes rather than entrainment	VOSSEN, A UNIV GLASGOW	BRAIN STIMUL 8 (3): 499-508 MAY-JUN 2015 http://www.sciencedirect.com/science/article/pii/S1935861X14004367	29
55	研究人员绘制高分辨率成年小鼠大脑皮层神经图谱并发现多种新型神经元	Principles of connectivity among morphologically defined cell types in adult neocortex	JIANG, XL BAYLOR COLL MED	SCIENCE 350 (6264): - NOV 27 2015 http://science.sciencemag.org/content/350/6264/aac9462	28

56	PET 可以用于监测阿尔茨海默症中 tau 蛋白病理学恶化, 以及老年人临床症状的出现	Tau positron emission tomographic imaging in aging and early Alzheimer disease	JOHNSON, KA HARVARD UNIV	ANN NEUROL 79 (1): 110-119 JAN 2016 http://onlinelibrary.wiley.com/doi/10.1002/ana.24546/abstract	26
57	利用单细胞转录技术揭示成年小鼠皮层细胞分类	Adult mouse cortical cell taxonomy revealed by single cell transcriptomics	TASIC, B ALLEN INST BRAIN SCI	NAT NEUROSCI 19 (2): 335-+ FEB 2016 http://www.nature.com/neuro/journal/v19/n2/full/nn.4216.html	24
58	多发性硬化症的治疗	Towards the implementation of no evidence of disease activity in multiple sclerosis treatment: the multiple sclerosis decision model	STANGEL, M HANNOVER MED SCH	THEM ADV NEUROL DISORD 8 (1): 3-13 JAN 2015 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4286940/	24
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	质激素受体基因甲基化的影响	stress on glucocorticoid receptor gene methylation: a systematic review	MCGILL UNIV	JAN 15 2016 http://www.sciencedirect.com/science/article/pii/S0006322314009676	
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62	阿尔茨海默氏症早期突触丧失	Complement and microglia mediate	HONG, S	SCIENCE 352 (6286): 712-716	21

	机制	early synapse loss in Alzheimer mouse models	NA-ALECTOR INC	MAY 6 2016 http://science.sciencemag.org/content/352/6286/712	
63	综述：自闭症谱系障碍中神经元的兴奋性/抑制性平衡	Excitatory/inhibitory balance and circuit homeostasis in autism spectrum disorders	NELSON, SB BRANDEIS UNIV	NEURON 87 (4): 684-698 AUG 19 2015 http://www.sciencedirect.com/science/article/pii/S0896627315006753	21
64	星形胶质细胞瘢痕组织帮助轴突再生	Astrocyte scar formation aids central nervous system axon regeneration	ANDERSON, MA SWISS FED INST TECHNOL LAUSANNE	NATURE 532 (7598): 195-+ APR 14 2016 http://www.nature.com/nature/journal/v532/n7598/abs/nature17623.html	21
65	Solanezumab 治疗轻到中度阿尔	Phase 3 solanezumab trials: secondary	SIEMERS, ER	ALZHEIMERS DEMENT 12	20

	兹海默症的效果	outcomes in mild Alzheimers disease patients	AVID RADIOPHARMACEUT	(2): 110-120 FEB 2016 http://www.sciencedirect.com/science/article/pii/S1552526015021482	
66	老年个体大脑中 tau 蛋白沉积的 PET 成像	PET imaging of tau deposition in the aging human brain	SCHOLL, M LAWRENCE BERKELEY NATL LAB	NEURON 89 (5): 971-982 MAR 2 2016 http://www.sciencedirect.com/science/article/pii/S0896627316000532	18
67	综述: 皮质醇觉醒反应 (Cortisol Awakening Response) 的评估	Assessment of the cortisol awakening response: expert consensus guidelines	STALDER, T MCGILL UNIV	PSYCHONEUROENDOCRINOLOGY 63: 414-432 JAN 2016 http://www.sciencedirect.com/science/article/pii/S0306453015009580	18

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69	大脑中的免疫细胞在肌萎缩性脊髓侧索硬化症的恶化中发挥直接作用	C9orf72 is required for proper macrophage and microglial function in mice	OROURKE, JG CEDARS SINAI MED CTR	SCIENCE 351 (6279): 1324-1329 MAR 18 2016 http://science.sciencemag.org/content/351/6279/1324	16
70	特定药物专一性地激活特定受体技术 (Designer Receptors Exclusively Activated by Designer Drugs, DREADD)	Dreadds for neuroscientists	ROTH, BL UNIV N CAROLINA CHAPEL HILL	NEURON 89 (4): 683-694 FEB 17 2016 http://www.sciencedirect.com/science/article/pii/S0896627316000659	16

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72	雌三醇 (Estriol) 联合醋酸格拉替雷 (Glatiramer acetate, 一种合成的肽类化合物) 治疗女性复发缓解型多发性硬化症 (Relapsing-Remitting Multiple Sclerosis)	Estriol combined with glatiramer acetate for women with relapsing-remitting multiple sclerosis: a randomised, placebo-controlled, phase 2 trial	VOSKUHL, RR CEDARS SINAI MED CTR	LANCET NEUROL 15 (1): 35-46 JAN 2016 http://www.sciencedirect.com/science/article/pii/S1474442215003221	14
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75	fMRI 分析中涉及到的一些基本算法会产生假阳性“信号”，并且发生频率较高	Cluster failure: why fMRI inferences for spatial extent have inflated false-positive rates	EKLUND, A LINKOPING UNIV	PROC NAT ACAD SCI USA 113 (28): 7900-7905 JUL 12 2016 http://www.pnas.org/content/113/28/7900.full	12
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78	可疑非阿尔茨海默症病理生理学 (Suspected non-Alzheimer disease pathophysiology, SNAP): 指一类存在神经变性但没有 A β 沉积的患者	Suspected non-Alzheimer disease pathophysiology - concept and controversy	JACK, CR CTR HOSP UNIV CAEN	NAT REV NEUROL 12 (2): 117-124 FEB 2016 http://www.nature.com/nrneurology/journal/v12/n2/full/nrneurology.2015.251.html	10
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93	慢性痛	Assessment of psychosocial and functional impact of chronic pain	TURK, DC FLORIDA STATE UNIV SYSTEM	J PAIN 17 (9): T21-T49 SUPPL. 2 SEP 2016 http://www.sciencedirect.com/science/article/pii/S152659001600523X	4
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95	阿尔茨海默症中 A β 斑块的沉积	The antibody aducanumab reduces a beta plaques in Alzheimers disease	SEVIGNY, J BIOGEN IDEC	NATURE 537 (7618): 50-56 SEP 1 2016 http://www.nature.com/nature/journal/v537/n7618/full/nature19323.html	4
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