

# 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 2017 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 2014 年 10 月至 2016 年 10 月发表的文章中, 在 2016 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 2017 年 2 月 14 日。

本期发布神经科学与行为领域热点文章 101 篇, 其中首次入榜文章 41 篇。单篇最高被引 228 次, 最低被引 4 次。被引 228 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, 已经连续 2 期盘踞榜首。首次入榜的 41 篇中单篇最高被引 74 次的是宾夕法尼亚大学 (University of Pennsylvania) 的 Johannes Brettschneider 等人合作发表在 *Nature Reviews Neuroscience* 上的一篇文章, 标题为“Spreading of pathology in neurodegenerative diseases: a focus on human studies”, 是一篇关于神经退行性疾病 (Neurodegenerative Diseases) 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:

- 30: 家庭收入、父母受教育程度与儿童和青少年大脑结构之间的关系;
- 40: 帕金森氏病的超早期诊断;
- 45: 裸头草碱 (Psilocybin) 辅助治疗酒精依赖;
- 49: 学习过程中大尺度功能神经环路的动力学特征;
- 71: 心率变异性 (Heart rate variability, HRV) 可能是精神病理学的生物标记物之一;
- 72: NIMH 支持的 PsychENCODE 项目;
- 75: 氯胺酮、7,8-DHF 和 ANA-12 对社交失败应激模型 (Social Defeat Stress Model) 的抗抑郁效果的比较;
- 78: 关于在体神经连接组学 (Connectomics) 的综述;
- 80: 从双系统模型 (Dual Systems Model) 角度理解青少年的冒险行为;
- 91: 意识与脑;
- 99: 性激素对青少年脑发育和行为的影响。

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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 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	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 <a href="http://www.sciencedirect.com/science/article/pii/S1474442215700165">http://www.sciencedirect.com/science/article/pii/S1474442215700165</a>	228
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 <a href="http://www.sciencemag.org/content/347/6226/1138.abstract">http://www.sciencemag.org/content/347/6226/1138.abstract</a>	186

3	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 <a href="http://www.thelancet.com/journals/lanneur/article/PIIS1474-4422(14)70251-0/fulltext">http://www.thelancet.com/journals/lanneur/article/PIIS1474-4422(14)70251-0/fulltext</a>	182
4	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 <a href="http://www.neurology.org/content/85/2/177.abstract">http://www.neurology.org/content/85/2/177.abstract</a>	145
5	美国心脏协会 (American Heart	2015 American Heart	POWERS, WJ	STROKE 46 (10): 3020-3035	130

	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	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 Association/American Stroke Association		OCT 2015 <a href="http://stroke.ahajournals.org/content/46/10/3020.short?source=mfr">http://stroke.ahajournals.org/content/46/10/3020.short?source=mfr</a>	
6	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 <a href="http://stroke.ahajournals.org/content/46/7/2032.full">http://stroke.ahajournals.org/content/46/7/2032.full</a>	126
7	综述: PINK1、Parki 及线粒体	The roles of pink1, parkin, and	PICKRELL, AM	NEURON 85 (2): 257-273 JAN	117

	功能在帕金森氏病中的作用	mitochondrial fidelity in Parkinsons disease	NATL INST HLTH (NIH) - USA	21 2015 <a href="http://www.sciencedirect.com/science/article/pii/S0896627314010885">http://www.sciencedirect.com/science/article/pii/S0896627314010885</a>	
8	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	USOSKIN, D HARVARD UNIV	NAT NEUROSCI 18 (1): 145-+ JAN 2015 <a href="http://www.nature.com/neuro/journal/v18/n1/full/nn.3881.html">http://www.nature.com/neuro/journal/v18/n1/full/nn.3881.html</a>	117
9	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	ROSSINI, PM ASSISTANCE PUBLIQUE HOPITAUX PARIS	CLIN NEUROPHYSIOL 126 (6): 1071-1107 JUN 2015 <a href="http://www.sciencedirect.com/science/article/pii/S138824571500">http://www.sciencedirect.com/science/article/pii/S138824571500</a>	115

		clinical and research application. an updated report from an ifcn committee		<u>0711</u>	
10	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 <a href="http://www.nature.com/nature/journal/v517/n7534/full/nature14188.html">http://www.nature.com/nature/journal/v517/n7534/full/nature14188.html</a>	113
11	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 <a href="http://www.nature.com/nrn/journal/v16/n1/full/nrn3857.html">http://www.nature.com/nrn/journal/v16/n1/full/nrn3857.html</a>	109



12	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 <a href="http://www.ncbi.nlm.nih.gov/pubmed/26061766">http://www.ncbi.nlm.nih.gov/pubmed/26061766</a>	100
13	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	ERNY, D HARVARD UNIV	NAT NEUROSCI 18 (7): 965-+ JUL 2015 <a href="http://www.nature.com/neuro/journal/v18/n7/abs/nn.4030.html">http://www.nature.com/neuro/journal/v18/n7/abs/nn.4030.html</a>	97
14	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 <a href="http://www.nature.com/nrneuro">http://www.nature.com/nrneuro</a>	87

				<a href="#">/journal/v11/n1/full/nrneuro1.2014.228.html</a>	
15	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 <a href="https://www.ncbi.nlm.nih.gov/pubmed/25984581">https://www.ncbi.nlm.nih.gov/pubmed/25984581</a>	85
16	综述: 正念冥想的神经科学机制	The neuroscience of mindfulness meditation	TANG, YY HARVARD UNIV	NAT REV NEUROSCI 16 (4): 213-U80 APR 2015 <a href="http://www.nature.com/nrn/journal/v16/n4/abs/nrn3916.html">http://www.nature.com/nrn/journal/v16/n4/abs/nrn3916.html</a>	84
17	小胶质细胞 (microglia) 和巨	Microglial and macrophage	HU, XM	NAT REV NEUROL 11 (1): 56-	81

	噬细胞 (macrophage) 在脑损伤修复中的积极作用	polarization -new prospects for brain repair	FUDAN UNIV	64 JAN 2015 <a href="http://www.nature.com/nrneuro/journal/v11/n1/full/nrneuro1.2014.207.html">http://www.nature.com/nrneuro/journal/v11/n1/full/nrneuro1.2014.207.html</a>	
18	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 <a href="http://www.nature.com/nrn/journal/v16/n3/full/nrn3901.html">http://www.nature.com/nrn/journal/v16/n3/full/nrn3901.html</a>	81
19	综述: 静息态 fMRI 运动校正 (Motion Correction) 的最新进展	Recent progress and outstanding issues in motion correction in resting state fMRI	POWER, JD WASHINGTON UNIV	NEUROIMAGE 105: 536-551 JAN 15 2015 <a href="http://www.sciencedirect.com/science/article/pii/S1053811914008702">http://www.sciencedirect.com/science/article/pii/S1053811914008702</a>	80

20	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 <a href="http://neuro-oncology.oxfordjournals.org/content/17/suppl_4/iv1.extract">http://neuro-oncology.oxfordjournals.org/content/17/suppl_4/iv1.extract</a>	79
21	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 <a href="http://www.nature.com/neuro/journal/v18/n8/full/nn.4053.html">http://www.nature.com/neuro/journal/v18/n8/full/nn.4053.html</a>	75
22	世界卫生组织：中枢神经系统	The 2016 world health organization	LOUIS, DN	ACTA NEUROPATHOL 131	74

	肿瘤分类说明 (2016 版)	classification of tumors of the central nervous system: a summary	ASSIST PUBL HOSP MARSEILLE	(6): 803-820 JUN 2016 <a href="http://link.springer.com/article/10.1007%2Fs00401-016-1545-1">http://link.springer.com/article/10.1007%2Fs00401-016-1545-1</a>	
23	综述: 神经退行性疾病 (Neurodegenerative Diseases)	Spreading of pathology in neurodegenerative diseases: a focus on human studies	BRETTSCHEIDER, J UNIV PENN	NAT REV NEUROSCI 16 (2): 109-120 FEB 2015 <a href="http://www.nature.com/nrn/journal/v16/n2/abs/nrn3887.html">http://www.nature.com/nrn/journal/v16/n2/abs/nrn3887.html</a>	74
24	综述: 恐惧与焦虑的神经环路	Neuronal circuits for fear and anxiety	TOVOTE, P FRIEDRICH MIESCHER INST BIOMED RES	NAT REV NEUROSCI 16 (6): 317-331 JUN 2015 <a href="http://www.nature.com/nrn/journal/v16/n6/full/nrn3945.html">http://www.nature.com/nrn/journal/v16/n6/full/nrn3945.html</a>	74

25	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 <a href="http://www.nature.com/neuro/journal/v18/n6/abs/nn.4018.html">http://www.nature.com/neuro/journal/v18/n6/abs/nn.4018.html</a>	72
26	综述: 5-羟色胺、色氨酸代谢与脑-肠-微生物组 (Microbiome) 轴	Serotonin, tryptophan metabolism and the brain-gut-microbiome axis	OMAHONY, SM UNIV COLL CORK	BEHAV BRAIN RES 277: 32-48 SP. ISS. SI JAN 15 2015 <a href="http://www.sciencedirect.com/science/article/pii/S0166432814004768">http://www.sciencedirect.com/science/article/pii/S0166432814004768</a>	68
27	单个神经细胞水平上的转录组多样性研究	A survey of human brain transcriptome diversity at the single cell level	DARMANIS, S HOWARD HUGHES MED INST	PROC NAT ACAD SCI USA 112 (23): 7285-7290 JUN 9 2015	66

				<a href="http://www.pnas.org/content/112/23/7285.full">http://www.pnas.org/content/112/23/7285.full</a>	
28	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 <a href="http://www.nature.com/neuro/journal/v18/n9/full/nn.4091.html">http://www.nature.com/neuro/journal/v18/n9/full/nn.4091.html</a>	64
29	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-synuclein	GOEDERT, M MRC LAB MOL BIOL	SCIENCE 349 (6248): - AUG 7 2015 <a href="http://science.sciencemag.org/content/349/6248/1255555">http://science.sciencemag.org/content/349/6248/1255555</a>	61
30	家庭收入、父母受教育程度与	Family income, parental education and	NOBLE, KG	NAT NEUROSCI 18 (5): 773-+	60

	儿童和青少年大脑结构之间的关系	brain structure in children and adolescents	CHILDRENS HOSP	MAY 2015 <a href="http://www.nature.com/neuro/journal/v18/n5/abs/nn.3983.html">http://www.nature.com/neuro/journal/v18/n5/abs/nn.3983.html</a>	
31	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 <a href="http://onlinelibrary.wiley.com/doi/10.1002/mds.26069/abstract">http://onlinelibrary.wiley.com/doi/10.1002/mds.26069/abstract</a>	60
32	认知的节律	Rhythms for cognition: communication through coherence	FRIES, P MAX PLANCK SOCIETY	NEURON 88 (1): 220-235 OCT 7 2015 <a href="http://www.sciencedirect.com/science/article/pii/S0896627315008235">http://www.sciencedirect.com/science/article/pii/S0896627315008235</a>	55



33	癫痫持续状态 (Status Epilepticus) 的定义与分类	A definition and classification of status epilepticus - report of the ILAE task force on classification of status epilepticus	TRINKA, E ALBERT EINSTEIN COLL MED	EPILEPSIA 56 (10): 1515-1523 OCT 2015 <a href="http://www.icms.ie/attachments/article/49/Classification%20of%20SE.pdf">http://www.icms.ie/attachments/article/49/Classification%20of%20SE.pdf</a>	54
34	自闭症谱系障碍	Insights into autism spectrum disorder genomic architecture and biology from 71 risk loci	SANDERS, SJ BAYLOR COLL MED	NEURON 87 (6): 1215-1233 SEP 23 2015 <a href="http://www.sciencedirect.com/science/article/pii/S0896627315007734">http://www.sciencedirect.com/science/article/pii/S0896627315007734</a>	54
35	综述: 炎症和小胶质细胞活化 (Microglial Activation) 在精神疾病中的作用	The role of inflammation and microglial activation in the pathophysiology of psychiatric	REUS, GZ BAYLOR COLL MED	NEUROSCIENCE 300: 141-154 AUG 6 2015 <a href="http://www.sciencedirect.com/sc">http://www.sciencedirect.com/sc</a>	51

		disorders		<a href="#">ience/article/pii/S0306452215004509</a>	
36	综述：人脑默认模式网络 (Default Mode Network)	The brains default mode network	RAICHLE, ME WASHINGTON UNIV	ANNU REV NEUROSCI 38: 433-447 2015 <a href="http://www.annualreviews.org/doi/abs/10.1146/annurev-neuro-071013-014030?journalCode=neuro">http://www.annualreviews.org/doi/abs/10.1146/annurev-neuro-071013-014030?journalCode=neuro</a>	49
37	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 <a href="http://www.sciencedirect.com/science/article/pii/S0301008215000568">http://www.sciencedirect.com/science/article/pii/S0301008215000568</a>	48

38	内感受 (Interoception) 与预测	Interoceptive predictions in the brain	BARRETT, LF HARVARD UNIV	NAT REV NEUROSCI 16 (7): 419-429 JUL 2015 <a href="http://www.nature.com/nrn/journal/v16/n7/full/nrn3950.html">http://www.nature.com/nrn/journal/v16/n7/full/nrn3950.html</a>	46
39	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 <a href="http://www.nature.com/nature/journal/v527/n7576/full/nature15526.html">http://www.nature.com/nature/journal/v527/n7576/full/nature15526.html</a>	41
40	帕金森氏病的超早期诊断	Prediagnostic presentations of Parkinsons disease in primary care: a	SCHRAG, A UNIV COLL LONDON	LANCET NEUROL 14 (1): 57- 64 JAN 2015	40

		case-control study		<a href="http://www.sciencedirect.com/science/article/pii/S147444221470287X">http://www.sciencedirect.com/science/article/pii/S147444221470287X</a>	
41	基因猎获 (Gene Hunting) 技术在探究自闭症谱系障碍发病机制中的作用	Gene hunting in autism spectrum disorder: on the path to precision medicine	GESCHWIND, DH UNIV CALIF LOS ANGELES	LANCET NEUROL 14 (11): 1109-1120 NOV 2015 <a href="http://www.sciencedirect.com/science/article/pii/S1474442215000447">http://www.sciencedirect.com/science/article/pii/S1474442215000447</a>	40
42	海马神经元尖波 (Sharp Wave Ripples) 与情景记忆 (Episodic Memory)	Hippocampal sharp wave-ripple: a cognitive biomarker for episodic memory and planning	BUZSAKI, G NEW YORK UNIV	HIPPOCAMPUS 25 (10): 1073-1188 SP. ISS. SI OCT 2015 <a href="http://onlinelibrary.wiley.com/doi/10.1002/hipo.22488/abstract">http://onlinelibrary.wiley.com/doi/10.1002/hipo.22488/abstract</a>	39

43	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 diseases	TANG, Y CHINESE ACAD SCI	MOL NEUROBIOL 53 (2): 1181-1194 MAR 2016 <a href="http://link.springer.com/article/10.1007%2Fs12035-014-9070-5">http://link.springer.com/article/10.1007%2Fs12035-014-9070-5</a>	39
44	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 <a href="http://onlinelibrary.wiley.com/doi/10.1002/ana.24517/full">http://onlinelibrary.wiley.com/doi/10.1002/ana.24517/full</a>	38
45	裸头草碱 (Psilocybin) 辅助治疗酒精依赖	Psilocybin-assisted treatment for alcohol dependence: a proof-of-concept study	BOGENSCHUTZ, MP UNIV ESTADUAL SANTA CRUZ	J PSYCHOPHARMACOL 29 (3): 289-299 MAR 2015 <a href="http://www.ouramazingworld.org/uploads/4/3/8/6/43860587/201">http://www.ouramazingworld.org/uploads/4/3/8/6/43860587/201</a>	37

				<a href="#">5-bogenschutz-psilocybin-assisted treatment for alcohol dependence- a proof-of-concept study.pdf</a>	
46	父代应激 (Paternal Stress) 的 代际传递	Transgenerational epigenetic programming via sperm microrna recapitulates effects of paternal stress	RODGERS, AB UNIV PENN	PROC NAT ACAD SCI USA 112 (44): 13699-13704 NOV 3 2015 <a href="http://www.pnas.org/content/112/44/13699.full.pdf">http://www.pnas.org/content/112/44/13699.full.pdf</a>	36
47	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 <a href="http://www.nature.com/neuro/journal/v19/n2/full/nn.4216.html">http://www.nature.com/neuro/journal/v19/n2/full/nn.4216.html</a>	36

48	机体降解氯胺酮 (Ketamine) 产生的一种代谢物可能是它抗抑郁作用迅速起效的真正原因	NMDAR inhibition-independent antidepressant actions of ketamine metabolites	ZANOS, P NA-MITCHELL WOODS PHARMACEUT	NATURE 533 (7604): 481-+ MAY 26 2016 <a href="http://www.nature.com/nature/journal/v533/n7604/full/nature17998.html">http://www.nature.com/nature/journal/v533/n7604/full/nature17998.html</a>	36
49	学习过程中大尺度功能神经环路动力学特征	Learning-induced autonomy of sensorimotor systems	BASSETT, DS JOHNS HOPKINS UNIV	NAT NEUROSCI 18 (5): 744-+ MAY 2015 <a href="http://www.nature.com/neuro/journal/v18/n5/full/nn.3993.html">http://www.nature.com/neuro/journal/v18/n5/full/nn.3993.html</a>	36
50	利用静息态功能连接 (Resting-State Functional Connectivity, RSFC) 推定不同脑区的分界	Generation and evaluation of a cortical area parcellation from resting-state correlations	GORDON, EM DARTMOUTH COLL	CEREB CORTEX 26 (1): 288-303 JAN 2016 <a href="http://www.nil.wustl.edu/labs/petersen/Publications_files/Full%2">http://www.nil.wustl.edu/labs/petersen/Publications_files/Full%2</a>	35

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51	阿尔茨海默氏症早期突触丧失 机制	Complement and microglia mediate early synapse loss in Alzheimer mouse models	HONG, S NA-ALECTOR INC	SCIENCE 352 (6286): 712-716 MAY 6 2016 <a href="http://science.sciencemag.org/content/352/6286/712">http://science.sciencemag.org/ content/352/6286/712</a>	35
52	自闭症谱系障碍：从遗传结构 到突触可塑性	From the genetic architecture to synaptic plasticity in autism spectrum disorder	BOURGERON, T ASSISTANCE PUBLIQUE HOPITAUX PARIS	NAT REV NEUROSCI 16 (9): 551-563 SEP 2015 <a href="http://www.nature.com/nrn/journal/v16/n9/full/nrn3992.html">http://www.nature.com/nrn/jour nal/v16/n9/full/nrn3992.html</a>	35
53	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 <a href="http://www.nature.com/nature/journal/v532/n7598/abs/nature176">http://www.nature.com/nature/jo urnal/v532/n7598/abs/nature176</a>	32



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54	胶状淋巴系统 (Glymphatic System) 在中枢神经系统中的作用	The glymphatic system: a beginners guide	JESSEN, NA UNIV ROCHESTER	NEUROCHEM RES 40 (12): 2583-2599 SP. ISS. SI DEC 2015 <a href="https://link.springer.com/article/10.1007%2Fs11064-015-1581-6">https://link.springer.com/article/10.1007%2Fs11064-015-1581-6</a>	32
55	星形胶质细胞与钙离子信号转导	Ca <sup>2+</sup> signaling in astrocytes from <i>ip3r2</i> <sup>-/-</sup> mice in brain slices and during startle responses in vivo	SRINIVASAN, R ALLEN INST BRAIN SCI	NAT NEUROSCI 18 (5): 708-+ MAY 2015 <a href="http://www.nature.com/neuro/journal/v18/n5/full/nn.4001.html">http://www.nature.com/neuro/journal/v18/n5/full/nn.4001.html</a>	32
56	Solanezumab 治疗轻到中度阿尔兹海默症的效果	Phase 3 solanezumab trials: secondary outcomes in mild Alzheimers disease patients	SIEMERS, ER AVID RADIOPHARMACEUT	ALZHEIMERS DEMENT 12 (2): 110-120 FEB 2016 <a href="http://www.sciencedirect.com/sc">http://www.sciencedirect.com/sc</a>	30

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57	蓝斑 (Locus Coeruleus) 神经元活动与瞳孔尺寸变化相关	Relationships between pupil diameter and neuronal activity in the locus coeruleus, colliculi, and cingulate cortex	JOSHI, S PENNSYLVANIA COMMONWEALTH SYS HIGH EDUC	NEURON 89 (1): 221-234 JAN 6 2016 <a href="http://www.sciencedirect.com/science/article/pii/S089662731501034X">http://www.sciencedirect.com/science/article/pii/S089662731501034X</a>	29
58	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 <a href="http://www.pnas.org/content/113/28/7900.full">http://www.pnas.org/content/113/28/7900.full</a>	29

59	综述：皮质醇觉醒反应 (Cortisol Awakening Response) 的评估	Y assessment of the cortisol awakening response: expert consensus guidelines	STALDER, T MCGILL UNIV	PSYCHONEUROENDOCRIN OLOGY 63: 414-432 JAN 2016 <a href="http://www.sciencedirect.com/science/article/pii/S0306453015009580">http://www.sciencedirect.com/science/article/pii/S0306453015009580</a>	28
60	类球状细胞白质营养不良症 (Murine Globoid Cell Leukodystrophy) 的治疗	Mechanism-based combination treatment dramatically increases therapeutic efficacy in murine globoid cell leukodystrophy	HAWKINS-SALSBURY, JA ST LOUIS UNIV	J NEUROSCI 35 (16): 6495- 6505 APR 22 2015 <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4405559/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4405559/</a>	26
61	星形胶质细胞 (Astrocyte)	Purification and characterization of progenitor and mature human astrocytes reveals transcriptional and functional differences with mouse	ZHANG, Y KAISER PERMANENTE MED CTR	NEURON 89 (1): 37-53 JAN 6 2016 <a href="http://www.sciencedirect.com/science/article/pii/S089662731501">http://www.sciencedirect.com/science/article/pii/S089662731501</a>	26

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62	从髓鞘形成 (Myelination) 角度理解神经系统可塑性	A new mechanism of nervous system plasticity: activity-dependent myelination	FIELDS, RD NATL INST CHILD HEALTH HUMAN DEV (NICHD)	NAT REV NEUROSCI 16 (12): 756-U77 DEC 2015 <a href="http://www.nature.com/nrn/journal/v16/n12/full/nrn4023.html">http://www.nature.com/nrn/journal/v16/n12/full/nrn4023.html</a>	25
63	神经回路调控的急性脱靶效应	Acute off-target effects of neural circuit manipulations	OTCHY, TM HARVARD UNIV	NATURE 528 (7582): 358-+ DEC 17 2015 <a href="http://www.nature.com/nature/journal/v528/n7582/full/nature16442.html">http://www.nature.com/nature/journal/v528/n7582/full/nature16442.html</a>	24
64	关于胶质母细胞瘤	Consensus recommendations for a	ELLINGSON, BM	NEURO-ONCOLOGY 17 (9):	23

	(Glioblastoma) 临床试验的标准化脑肿瘤成像范式 (Brain Tumor Imaging Protocol, BTIP)	standardized brain tumor imaging protocol in clinical trials	NA-ABTC	1188-1198 SEP 2015 <a href="https://www.ncbi.nlm.nih.gov/pubmed/26250565">https://www.ncbi.nlm.nih.gov/pubmed/26250565</a>	
65	欧洲神经内分泌肿瘤协会 (ENETS) 更新转移性疾病 (Metastatic Disease) 管理的指导方针	ENETS consensus guidelines update for the management of distant metastatic disease of intestinal, pancreatic, bronchial neuroendocrine neoplasms (NEN) and NEN of unknown primary site	PAVEL, M CHARITE MED UNIV BERLIN	NEUROENDOCRINOLOGY 103 (2): 172-185 2016 <a href="http://www.grupponet.it/Documenti/15-Metastatic%20disease%20and%20UP%20ENETS%202016.pdf">http://www.grupponet.it/Documenti/15-Metastatic%20disease%20and%20UP%20ENETS%202016.pdf</a>	21
66	术后痛 (Postoperative Pain) 的管理	Management of postoperative pain: a clinical practice guideline from the American Pain Society, the American Society Of Regional Anesthesia and Pain Medicine, and the American Society of anesthesiologists committee	CHOU, R NA-AMER ACAD PAIN MED	J PAIN 17 (2): 131-157 FEB 2016 <a href="http://www.sciencedirect.com/science/article/pii/S1526590015009955">http://www.sciencedirect.com/science/article/pii/S1526590015009955</a>	20

		on regional anesthesia, executive committee, and administrative council			
67	精神分裂症患者皮层下脑容量异常	Subcortical brain volume abnormalities in 2028 individuals with schizophrenia and 2540 healthy controls via the ENIGMA consortium	VAN ERP, TGM NA-ADV BIOMED INFORMAT GRP LLC	MOL PSYCHIATR 21 (4): 547-553 APR 2016 <a href="http://www.nature.com/mp/journal/v21/n4/full/mp201563a.html">http://www.nature.com/mp/journal/v21/n4/full/mp201563a.html</a>	19
68	小神经胶质细胞与年老相关神经退行性病变	Microglial brain region-dependent diversity and selective regional sensitivities to aging	GRABERT, K BBSRC ROSLIN INST	NAT NEUROSCI 19 (3): 504-+ MAR 2016 <a href="http://www.nature.com/neuro/journal/v19/n3/full/nn.4222.html">http://www.nature.com/neuro/journal/v19/n3/full/nn.4222.html</a>	18
69	综述：从解剖学角度讨论意识的神经相关性	Neural correlates of consciousness: progress and problems	KOCH, C ALLEN INST BRAIN SCI	NAT REV NEUROSCI 17 (5): 307-321 MAY 2016 <a href="http://www.nature.com/nrn/journal/v17/n5/full/nrn.2016.22.html">http://www.nature.com/nrn/journal/v17/n5/full/nrn.2016.22.html</a>	18

70	自体免疫性脑炎 (Autoimmune Encephalitis) 的临床诊断	A clinical approach to diagnosis of autoimmune encephalitis	GRAUS, F CHARITE MED UNIV BERLIN	LANCET NEUROL 15 (4): 391-404 APR 2016 <a href="http://www.sciencedirect.com/science/article/pii/S1474442215004019">http://www.sciencedirect.com/science/article/pii/S1474442215004019</a>	18
71	心率变异性 (Heart rate variability, HRV): 精神病理学的生物标记物之一	Heart rate variability as a transdiagnostic biomarker of psychopathology	BEAUCHAINE, TP OHIO STATE UNIV	INT J PSYCHOPHYSIOL 98 (2): 338-350 PART 2 SP. ISS. SI NOV 2015 <a href="http://www.sciencedirect.com/science/article/pii/S0167876015300209">http://www.sciencedirect.com/science/article/pii/S0167876015300209</a>	17
72	NIMH 支持的 PsychENCODE 项目	The PsychENCODE project	AKBARIAN, S AGCY SCI TECHNOL RES	NAT NEUROSCI 18 (12): 1707-1712 DEC 2015	17

				<a href="http://www.nature.com/neuro/journal/v18/n12/full/nn.4156.html">http://www.nature.com/neuro/journal/v18/n12/full/nn.4156.html</a>	
73	元分析：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	CSF and blood biomarkers for the diagnosis of Alzheimers disease: a systematic review and meta-analysis	OLSSON, B ALZFORUM	LANCET NEUROL 15 (7): 673-684 JUN 2016 <a href="http://www.sciencedirect.com/science/article/pii/S1474442216000703">http://www.sciencedirect.com/science/article/pii/S1474442216000703</a>	17
74	人类大脑皮层图谱	A multi-modal parcellation of human cerebral cortex	GLASSER, MF IMPERIAL COLL LONDON	NATURE 536 (7615): 171-+ AUG 11 2016 <a href="http://www.nature.com/nature/journal/v536/n7615/full/nature18933.html">http://www.nature.com/nature/journal/v536/n7615/full/nature18933.html</a>	17



75	<p>氯胺酮、7,8-DHF 和 ANA-12 对社交失败应激模型 (Social Defeat Stress Model) 的抗抑郁效果的比较</p>	<p>Comparison of ketamine, 7,8-dihydroxyflavone, and ana-12 antidepressant effects in the social defeat stress model of depression</p>	<p>ZHANG, JC CHIBA UNIV</p>	<p>PSYCHOPHARMACOLOGY 232 (23): 4325-4335 DEC 2015 <a href="http://download.springer.com/static/pdf/864/art%253A10.1007%252Fs00213-015-4062-3.pdf?originUrl=http%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs00213-015-4062-3&amp;token2=exp=1490004046~ac1=%2Fstatic%2Fpdf%2F864%2Fart%25253A10.1007%25252Fs00213-015-4062-3.pdf%3ForiginUrl%3Dhttp%253A%252F%252Flink.springer.com%252Farticle%252F10.1007%252Fs00213-015-4062-3">http://download.springer.com/static/pdf/864/art%253A10.1007%252Fs00213-015-4062-3.pdf?originUrl=http%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs00213-015-4062-3&amp;token2=exp=1490004046~ac1=%2Fstatic%2Fpdf%2F864%2Fart%25253A10.1007%25252Fs00213-015-4062-3.pdf%3ForiginUrl%3Dhttp%253A%252F%252Flink.springer.com%252Farticle%252F10.1007%252Fs00213-015-4062-</a></p>	16
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76	阿尔茨海默症中 A $\beta$ 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 <a href="http://www.nature.com/nature/journal/v537/n7618/full/nature19323.html">http://www.nature.com/nature/journal/v537/n7618/full/nature19323.html</a>	16
77	四肢麻痹 (Quadriplegia) 的治疗	Restoring cortical control of functional movement in a human with quadriplegia	BOUTON, CE BATTELLE MEMORIAL INST	NATURE 533 (7602): 247-+ MAY 12 2016 <a href="http://www.nature.com/nature/journal/v533/n7602/full/nature17435.html">http://www.nature.com/nature/journal/v533/n7602/full/nature17435.html</a>	16

78	综述：在体神经连接组学 (Connectomics)	Measuring macroscopic brain connections in vivo	JBABDI, S UNIV COLL LONDON	NAT NEUROSCI 18 (11): 1546-1555 NOV 2015 <a href="http://www.nature.com/neuro/journal/v18/n11/full/nn.4134.html">http://www.nature.com/neuro/journal/v18/n11/full/nn.4134.html</a>	16
79	综述：颅内出血 (Intracranial Hemorrhage) 治疗指导方针	Guideline for reversal of antithrombotics in intracranial hemorrhage	FRONTERA, JA AUSTRALIAN CATHOLIC UNIV	NEUROCRIT CARE 24 (1): 6- 46 FEB 2016 <a href="http://www.learnicu.org/CollectionDocuments/Reversal-Antithrombotics-Intracranial-Hemorrhage-Guideline.pdf">http://www.learnicu.org/CollectionDocuments/Reversal-Antithrombotics-Intracranial-Hemorrhage-Guideline.pdf</a>	16
80	综述：从双系统模型 (Dual Systems Model) 角度理解青少 年的冒险行为	The dual systems model: review, reappraisal, and reaffirmation	SHULMAN, EP BROCK UNIV	DEV COGN NEUROSCI 17: 103-117 FEB 2016 <a href="http://www.sciencedirect.com/science/article/pii/S1878929315001292">http://www.sciencedirect.com/science/article/pii/S1878929315001292</a>	15

81	SETD1A 基因突变会增加个体 35 倍患精神分裂症的风险	Rare loss-of-function variants in SETD1A are associated with schizophrenia and developmental disorders	SINGH, T BIRMINGHAM WOMENS HOSP	NAT NEUROSCI 19 (4): 571-+ APR 2016 <a href="http://www.nature.com/neuro/journal/v19/n4/full/nn.4267.html">http://www.nature.com/neuro/journal/v19/n4/full/nn.4267.html</a>	15
82	研究小鼠和人类中枢神经系统中 小胶质细胞 (Microglia) 的 新工具	New tools for studying microglia in the mouse and human CNS	BENNETT, ML STANFORD UNIV	PROC NAT ACAD SCI USA 113 (12): E1738-E1746 MAR 22 2016 <a href="http://www.pnas.org/content/113/12/E1738.full">http://www.pnas.org/content/113/12/E1738.full</a>	
83	综述: 小胶质细胞和巨噬细胞 在神经胶质瘤 (Glioma) 的维 持与恶化中的作用	The role of microglia and macrophages in glioma maintenance and progression	HAMBARDZUMYAN, D CLEVELAND CLIN FDN	NAT NEUROSCI 19 (1): 20-27 JAN 2016 <a href="http://www.nature.com/neuro/journal/v19/n1/full/nn.4185.html">http://www.nature.com/neuro/journal/v19/n1/full/nn.4185.html</a>	14

84	应激的代际传递的表观遗传学机制	Holocaust exposure induced intergenerational effects on fkbp5 methylation	YEHUDA, R BRONX VET AFFAIRS MED CTR	BIOL PSYCHIAT 80 (5): 372-380 SEP 1 2016 <a href="http://www.sciencedirect.com/science/article/pii/S0006322315006526">http://www.sciencedirect.com/science/article/pii/S0006322315006526</a>	13
85	肠道微生物组与抑郁	Gut microbiome remodeling induces depressive-like behaviors through a pathway mediated by the hosts metabolism	ZHENG, P CHONGQING KEY LAB NEUROBIOL	MOL PSYCHIATR 21 (6): 786-796 JUN 2016 <a href="http://www.nature.com/mp/journal/v21/n6/full/mp201644a.html">http://www.nature.com/mp/journal/v21/n6/full/mp201644a.html</a>	12
86	裸头草碱 (Psilocybin) 治疗癌症患者出现的焦虑和抑郁	Rapid and sustained symptom reduction following psilocybin treatment for anxiety and depression in patients with life-threatening cancer: a randomized controlled trial	ROSS, S NA-BELLEVUE HOSP CTR	J PSYCHOPHARMACOL 30 (12): 1165-1180 DEC 2016 <a href="http://journals.sagepub.com/doi/pdf/10.1177/0269881116675512">http://journals.sagepub.com/doi/pdf/10.1177/0269881116675512</a>	12

87	裸头草碱治疗癌症患者出现的抑郁和焦虑	Psilocybin produces substantial and sustained decreases in depression and anxiety in patients with life-threatening cancer: a randomized double-blind trial	GRIFFITHS, RR JOHNS HOPKINS MED	J PSYCHOPHARMACOL 30 (12): 1181-1197 DEC 2016 <a href="http://journals.sagepub.com/doi/pdf/10.1177/0269881116675513">http://journals.sagepub.com/doi/pdf/10.1177/0269881116675513</a>	11
88	卒中的治疗	Clinical outcomes of transplanted modified bone marrow-derived mesenchymal stem cells in stroke a phase 1/2a study	STEINBERG, GK NEW YORK UNIV	STROKE 47 (7): 1817-1824 JUL 2016 <a href="http://stroke.ahajournals.org/content/47/7/1817">http://stroke.ahajournals.org/content/47/7/1817</a>	11
89	卒中的全球负担	Global burden of stroke and risk factors in 188 countries, during 1990-2013: a systematic analysis for the global burden of disease study 2013	FEIGIN, VL AUCKLAND UNIV TECHNOL	LANCET NEUROL 15 (9): 913-924 AUG 2016 <a href="http://www.sciencedirect.com/science/article/pii/S1474442216300734">http://www.sciencedirect.com/science/article/pii/S1474442216300734</a>	10
90	临床综述：推迟上学时间对青	Delayed school start times and	MINGES, KE	SLEEP MED REV 28: 86-95	9

	少年睡眠、健康和学业表现的影响	adolescent sleep: a systematic review of the experimental evidence	YALE UNIV	AUG 2016 <a href="http://www.sciencedirect.com/science/article/pii/S1087079215000891">http://www.sciencedirect.com/science/article/pii/S1087079215000891</a>	
91	意识与脑	Integrated information theory: from consciousness to its physical substrate	TONONI, G ALLEN INST BRAIN SCI	NAT REV NEUROSCI 17 (7): 450-461 JUL 2016 <a href="http://www.nature.com/nrn/journal/v17/n7/abs/nrn.2016.44.html">http://www.nature.com/nrn/journal/v17/n7/abs/nrn.2016.44.html</a>	8
92	免疫分子干扰素 $\gamma$ 在社会行为中发挥重要作用	Unexpected role of interferon-gamma in regulating neuronal connectivity and social behaviour	FILIANO, AJ UNIV MASS SYSTEM	NATURE 535 (7612): 425-+ JUL 21 2016 <a href="https://www.ncbi.nlm.nih.gov/pubmed/27409813">https://www.ncbi.nlm.nih.gov/pubmed/27409813</a>	8
93	综述：帕金森氏病中的多巴胺能细胞凋亡机制	Understanding dopaminergic cell death pathways in Parkinson disease	MICHEL, PP CNRS;SORBONNE UNIV	NEURON 90 (4): 675-691 MAY 18 2016	8

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94	脑出血 (Intracerebral Haemorrhage) 后发生痴呆的风险	Dementia risk after spontaneous intracerebral haemorrhage: a prospective cohort study	MOULIN, S CHU LILLE	LANCET NEUROL 15 (8): 820-829 JUL 2016 <a href="http://www.sciencedirect.com/science/article/pii/S1474442216001307">http://www.sciencedirect.com/science/article/pii/S1474442216001307</a>	7
95	元分析: 10 个新的智力障碍易感基因	Meta-analysis of 2,104 trios provides support for 10 new genes for intellectual disability	LELIEVELD, SH MAASTRICHT UNIV	NAT NEUROSCI 19 (9): 1194-1196 SEP 2016 <a href="http://www.nature.com/neuro/journal/v19/n9/full/nn.4352.html">http://www.nature.com/neuro/journal/v19/n9/full/nn.4352.html</a>	6
96	谷氨酸代谢 (Glutamate Metabolism) 与兴奋性信号传	Astroglial glutamate transporters coordinate excitatory signaling and	ROBINSON, MB CHILDRENS HOSP	NEUROCHEM INT 98: 56-71 SP. ISS. SI SEP 2016	6



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97	综述：神经元中的谷氨酸转运	Neuronal vs glial glutamate uptake: resolving the conundrum	DANBOLT, NC KEELE UNIV	NEUROCHEM INT 98: 29-45 SP. ISS. SI SEP 2016 <a href="http://www.sciencedirect.com/science/article/pii/S0197018616301085">http://www.sciencedirect.com/science/article/pii/S0197018616301085</a>	5
98	综述：青少年冒险行为与中枢奖赏环路	What motivates adolescents? neural responses to rewards and their influence on adolescents risk taking, learning, and cognitive control	VAN DUIJVENVOORDE, ACK HARVARD UNIV	NEUROSCI BIOBEHAV REV 70: 135-147 SP. ISS. SI NOV 2016 <a href="http://www.sciencedirect.com/science/article/pii/S0149763416301270">http://www.sciencedirect.com/science/article/pii/S0149763416301270</a>	4

99	性激素对青少年脑发育和行为的影响	The organizing actions of adolescent gonadal steroid hormones on brain and behavioral development	SCHULZ, KM MICHIGAN STATE UNIV	NEUROSCI BIOBEHAV REV 70: 148-158 SP. ISS. SI NOV 2016 <a href="http://www.sciencedirect.com/science/article/pii/S0149763416301610">http://www.sciencedirect.com/science/article/pii/S0149763416301610</a>	4
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