

# 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 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 2015 年 4 月至 2017 年 4 月发表的文章中, 在 2017 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 2017 年 9 月 14 日。

本期发布神经科学与行为领域热点文章 92 篇, 其中首次入榜文章 46 篇。单篇最高被引 282 次, 最低被引 4 次。被引 282 次的文章由麻省总医院 (Massachusetts General Hospital) 的 David N. Louis 等人合作发表在 *Acta Neuropathologica* 上, 标题为 “The 2016 World Health Organization Classification of Tumors of the Central Nervous System: a summary”, 世界卫生组织发布 2016 版中枢神经系统肿瘤分类说明。首次入榜的 46 篇中单篇最高被引 70 次的是维也纳医科大学 (Medical University of Vienna) 的 Anna Sophie Berghoff 等人合作发表在 *NEURO-ONCOLOGY* 上的一篇文章, 标题为 “Programmed death ligand 1 expression and tumor-infiltrating lymphocytes in glioblastoma”, 关于胶质母细胞瘤 (Glioblastoma)。

首次入榜文章有:

- 34: 利用转基因小鼠研究 tau 蛋白在神经退行性疾病中的作用;
- 40: 磁共振弥散成像中信号失真的修正;
- 48: 关于多发性硬化症 (Multiple sclerosis) 影像学诊断标准的综述;
- 61: 关于急、慢性痛中前扣带回突触可塑性的综述;
- 63: 经颅直流电刺激治疗性使用的循证指导方针;
- 66: 经颅磁刺激激活 “遗忘” 记忆;
- 68: 疼痛定义的更新;
- 70: 神经元聚集模式与记忆;
- 74: 调控食欲的神经环路;
- 77: 在阿尔茨海默症早期, tau 蛋白具有保护性作用;
- 78: 利用基因突变小鼠研究睡眠与觉醒;
- 83: 利用计算机模型和在体神经元记录研究神经环路的空间结构;
- 90: 原脑桥 (Protocerebral bridge) 内的环吸引子 (Ring attractor) 模型;
- 91: 竞争影响睾酮浓度。

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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 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	第一作者及其单位	出处及原文或摘要链接	单篇被引
1	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 <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>	282
2	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>	256
3	美国心脏协会（American Heart	2015 American Heart	POWERS, WJ	STROKE 46 (10): 3020-3035	213

	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>	
4	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>	201
5	2008-2012 年美国原发性脑与中	CBTRUS statistical report: primary	OSTROM, QT	NEURO-ONCOLOGY 17: 1-62	186

	中枢神经系统肿瘤流行病学调查	brain and central nervous system tumors diagnosed in the united states in 2008-2012	CASE WESTERN RESERVE UNIV	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>	
6	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>	179
7	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/jo">http://www.nature.com/neuro/jo</a>	158

				<a href="http://www.nature.com/neuro/journal/v18/n7/abs/nn.4030.html">urnal/v18/n7/abs/nn.4030.html</a>	
8	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>	114
9	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>	112
10	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	111

				<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>	
11	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 <a href="http://www.nature.com/neuro/journal/v18/n10/abs/nn.4086.html">http://www.nature.com/neuro/journal/v18/n10/abs/nn.4086.html</a>	105
12	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 INST	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>	105

13	<p>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</p>	<p>NMDAR inhibition-independent antidepressant actions of ketamine metabolites</p>	<p>ZANOS, P MITCHELL WOODS PHARMACEUT</p>	<p>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></p>	104
14	<p>运动障碍学会（Movement Disorder Society）提出帕金森氏病临床诊断标准</p>	<p>MDS clinical diagnostic criteria for Parkinsons disease</p>	<p>POSTUMA, RB ASSISTANCE PUBLIQUE HOPITAUX PARIS</p>	<p>MOVEMENT DISORD 30 (12): 1591-1599 OCT 2015 <a href="http://onlinelibrary.wiley.com/doi/10.1002/mds.26424/full">http://onlinelibrary.wiley.com/doi/10.1002/mds.26424/full</a></p>	101
15	<p>认知的节律</p>	<p>Rhythms for cognition: communication through coherence</p>	<p>FRIES, P MAX PLANCK SOCIETY</p>	<p>NEURON 88 (1): 220-235 OCT 7 2015</p>	98

				<a href="http://www.sciencedirect.com/science/article/pii/S0896627315008235">http://www.sciencedirect.com/science/article/pii/S0896627315008235</a>	
16	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 <a href="http://www.nature.com/neuro/journal/v18/n9/full/nn.4085.html">http://www.nature.com/neuro/journal/v18/n9/full/nn.4085.html</a>	98
17	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/nature17623.html">http://www.nature.com/nature/journal/v532/n7598/abs/nature17623.html</a>	86

18	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>	83
19	综述：帕金森氏病前驱期的研究准则与潜在诊断方法	MDS research criteria for prodromal Parkinsons disease	BERG, D ASSISTANCE PUBLIQUE HOPITAUX PARIS	MOVEMENT DISORD 30 (12): 1600-1609 OCT 2015 <a href="http://onlinelibrary.wiley.com/doi/10.1002/mds.26431/abstract">http://onlinelibrary.wiley.com/doi/10.1002/mds.26431/abstract</a>	82
20	小胶质细胞（Microglia）和 tau 蛋白病理性聚集在阿尔茨海默	Depletion of microglia and inhibition of exosome synthesis halt tau	ASAI, H BOSTON UNIV	NAT NEUROSCI 18 (11): 1584-1593 NOV 2015	80

	症中的作用	propagation		<a href="http://www.nature.com/neuro/journal/v18/n11/full/nn.4132.html">http://www.nature.com/neuro/journal/v18/n11/full/nn.4132.html</a>	
21	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>	78
22	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>	77

23	综述：大脑中的清除系统及其对阿尔茨海默症的意义	Clearance systems in the brain-implications for Alzheimer disease	TARASOFF-CONWAY, JM NEW YORK UNIV	NAT REV NEUROL 11 (8): 457-470 AUG 2015 <a href="http://www.nature.com/nrneuro/journal/v11/n8/abs/nrneuro.2015.119.html">http://www.nature.com/nrneuro/journal/v11/n8/abs/nrneuro.2015.119.html</a>	77
24	综述：鼻内给催产素	Intranasal oxytocin: myths and delusions	LENG, G UNIV EDINBURGH	BIOL PSYCHIAT 79 (3): 243-250 FEB 1 2016 <a href="http://www.sciencedirect.com/science/article/pii/S000632231500400X">http://www.sciencedirect.com/science/article/pii/S000632231500400X</a>	76
25	PET 可以用于监测阿尔茨海默症中 tau 蛋白病理学恶化，以及	Tau positron emission tomographic imaging in aging and early Alzheimer	JOHNSON, KA HARVARD UNIV	ANN NEUROL 79 (1): 110-119 JAN 2016	76

	老年人临床症状的出现	disease		<a href="http://onlinelibrary.wiley.com/doi/10.1002/ana.24546/abstract">http://onlinelibrary.wiley.com/doi/10.1002/ana.24546/abstract</a>	
26	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>	74
27	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>	73
28	星形胶质细胞 (Astrocyte)	Purification and characterization of	ZHANG, Y	NEURON 89 (1): 37-53 JAN 6	73

		progenitor and mature human astrocytes reveals transcriptional and functional differences with mouse	KAISER PERMANENTE MED CTR	2016 <a href="http://www.sciencedirect.com/science/article/pii/S0896627315010193">http://www.sciencedirect.com/science/article/pii/S0896627315010193</a>	
29	胶质母细胞瘤 (Glioblastoma)	Programmed death ligand 1 expression and tumor-infiltrating lymphocytes in glioblastoma	BERGHOFF, AS CTR HOSP UNIV VAUDOIS	NEURO-ONCOLOGY 17 (8): 1064-1075 AUG 2015 <a href="https://academic.oup.com/neuro-oncology/article/17/8/1064/2324867/Programmed-death-ligand-1-expression-and-tumor">https://academic.oup.com/neuro-oncology/article/17/8/1064/2324867/Programmed-death-ligand-1-expression-and-tumor</a>	70
30	难治性癫痫 (Treatment-Resistant Epilepsy)	Cannabidiol in patients with treatment-resistant epilepsy: an open-label	DEVINSKY, O ANN & ROBERT H LURIE	LANCET NEUROL 15 (3): 270-278 MAR 2016	68

		interventional trial	CHILDRENS HOSP CHICAGO	<a href="http://www.sciencedirect.com/science/article/pii/S1474442215003798">http://www.sciencedirect.com/science/article/pii/S1474442215003798</a>	
31	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>	65
32	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 <a href="http://www.sciencedirect.com/science/article/pii/S089662731600">http://www.sciencedirect.com/science/article/pii/S089662731600</a>	63

				<u>0659</u>	
33	慢性创伤脑部病变(Chronic traumatic encephalopathy)的诊断	The first NINDS/NIBIB consensus meeting to define neuropathological criteria for the diagnosis of chronic traumatic encephalopathy	MCKEE, AC BOSTON UNIV	ACTA NEUROPATHOL 131 (1): 75-86 JAN 2016 <a href="https://link.springer.com/article/10.1007/s00401-015-1515-z">https://link.springer.com/article/10.1007/s00401-015-1515-z</a>	57
34	利用转基因小鼠研究 tau 蛋白在神经退行性疾病中的作用	Tau post-translational modifications in wild-type and human amyloid precursor protein transgenic mice	MORRIS, M J DAVID GLADSTONE INST	NAT NEUROSCI 18 (8): 1183- + AUG 2015 <a href="http://www.nature.com/neuro/journal/v18/n8/abs/nn.4067.html">http://www.nature.com/neuro/journal/v18/n8/abs/nn.4067.html</a>	56
35	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	CHOU, R NA-AMER ACAD PAIN MED	J PAIN 17 (2): 131-157 FEB 2016 <a href="http://www.sciencedirect.com/science/article/pii/S152659001500">http://www.sciencedirect.com/science/article/pii/S152659001500</a>	55

		Pain Medicine, and the American Society of Anesthesiologists Committee on regional anesthesia, executive committee, and administrative council		<u>9955</u>	
36	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>	53
37	儿童型脊髓性肌萎缩症 (Spinal Muscular Atrophy, SMA)	Results from a phase 1 study of nusinersen (ISIS-SMNrx) in children with spinal muscular atrophy	CHIRIBOGA, CA COLUMBIA UNIV	NEUROLOGY 86 (10): 890-897 MAR 8 2016 <a href="http://www.neurology.org/content/86/10/890.short">http://www.neurology.org/content/86/10/890.short</a>	52

38	认知并不影响知觉	Cognition does not affect perception: evaluating the evidence for top-down effects	FIRESTONE, C YALE UNIV	BEHAV BRAIN SCI 39: - 2016 <a href="https://faculty.biu.ac.il/~barlab/papers/2017%20OCallaghan.pdf">https://faculty.biu.ac.il/~barlab/papers/2017%20OCallaghan.pdf</a>	50
39	研究小鼠和人类中枢神经系统中 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>	48
40	磁共振弥散成像中信号失真的 修正	An integrated approach to correction for off-resonance effects and subject movement in diffusion MR imaging	ANDERSSON, JLR UNIV OXFORD	NEUROIMAGE 125: 1063- 1078 JAN 15 2016 <a href="http://www.sciencedirect.com/science/article/pii/S105381191500">http://www.sciencedirect.com/science/article/pii/S105381191500</a>	46

				<u>9209</u>	
41	星形胶质细胞中的钙信号传导	Astrocyte calcium signaling: the third wave	BAZARGANI, N UNIV COLL LONDON	NAT NEUROSCI 19 (2): 1-8 FEB 2016 <a href="http://www.nature.com/neuro/journal/v19/n2/full/nn.4201.html">http://www.nature.com/neuro/journal/v19/n2/full/nn.4201.html</a>	46
42	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>	45
43	重性抑郁症皮层下脑结构的改变	Subcortical brain alterations in major depressive disorder: findings from the ENIGMA major depressive disorder	SCHMAAL, L CHARITE MED UNIV BERLIN	MOL PSYCHIATR 21 (6): 806-812 JUN 2016 <a href="http://www.nature.com/mp/journal/v21/n6/full/mp.2016.100.html">http://www.nature.com/mp/journal/v21/n6/full/mp.2016.100.html</a>	45

		working group		<a href="http://www.nature.com/npp/journal/v21/n6/full/mp201569a.html">nal/v21/n6/full/mp201569a.html</a>	
44	综述：应激对海马、杏仁核及前额叶等脑区的影响	Stress effects on neuronal structure: hippocampus, amygdala, and prefrontal cortex	MCEWEN, BS ROCKEFELLER UNIV	NEUROPSYCHOPHARMACOLOGY 41 (1): 3-23 JAN 2016 <a href="http://www.nature.com/npp/journal/v41/n1/full/npp2015171a.html">http://www.nature.com/npp/journal/v41/n1/full/npp2015171a.html</a>	45
45	慢性偏头痛的预防性治疗	Safety, tolerability, and efficacy of tevetimide (tevetimide) for preventive treatment of chronic migraine: a multicentre, randomised, double-blind, placebo-controlled, phase 2b study	BIGAL, ME NA-ESSEN HEADACHE CTR	LANCET NEUROL 14 (11): 1091-1100 NOV 2015 <a href="http://www.sciencedirect.com/science/article/pii/S1474442215002458">http://www.sciencedirect.com/science/article/pii/S1474442215002458</a>	44
46	胶质细胞与突触功能障碍	Do glia drive synaptic and cognitive	CHUNG, WS	NAT NEUROSCI 18 (11):	44

		impairment in disease?	HARVARD UNIV	1539-1545 NOV 2015 <a href="http://www.nature.com/neuro/journal/v18/n11/full/nn.4142.html">http://www.nature.com/neuro/journal/v18/n11/full/nn.4142.html</a>	
47	杜氏肌营养不良 (Duchenne muscular dystrophy, DMD)	Longitudinal effect of eteplirsen versus historical control on ambulation in duchenne muscular dystrophy	MENDELL, JR CAROLINAS MED CTR	ANN NEUROL 79 (2): 257-271 FEB 2016 <a href="http://onlinelibrary.wiley.com/doi/10.1002/ana.24555/full">http://onlinelibrary.wiley.com/doi/10.1002/ana.24555/full</a>	40
48	综述: 多发性硬化症 (Multiple sclerosis) 的影像学诊断标准	MRI criteria for the diagnosis of multiple sclerosis: magnims consensus guidelines	FILIPPI, M AZIENDA OSPEDALIERA SAN CAMILLO-FORLANINI BARCELONA	LANCET NEUROL 15 (3): 292-303 MAR 2016 <a href="http://www.sciencedirect.com/science/article/pii/S1474442215003932">http://www.sciencedirect.com/science/article/pii/S1474442215003932</a>	39
49	M1 和 M2 小胶质细胞真的存在吗?	A polarizing question: do M1 and M2 microglia exist?	RANSOHOFF, RM BIOGEN IDEC	NAT NEUROSCI 19 (8): 987-991 AUG 2016	38

				<a href="http://www.nature.com/neuro/journal/v19/n8/full/nn.4338.html">http://www.nature.com/neuro/journal/v19/n8/full/nn.4338.html</a>	
50	内侧前额叶在恐惧的条件化与消退中的角色	The role of the medial prefrontal cortex in the conditioning and extinction of fear	GIUSTINO, TF TEXAS A&M UNIV COLLEGE STN	FRONT BEHAV NEUROSCI 9: - NOV 9 2015 <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4637424/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4637424/</a>	38
51	综述: 解码 ALS	Decoding ALS: from genes to mechanism	TAYLOR, JP HOWARD HUGHES MED INST	NATURE 539 (7628): 197-206 NOV 10 2016 <a href="http://www.nature.com/nature/journal/v539/n7628/full/nature20413.html">http://www.nature.com/nature/journal/v539/n7628/full/nature20413.html</a>	37

52	综述：神经炎症与神经退行性病变	How neuroinflammation contributes to neurodegeneration	RANSOHOFF, RM BIOGEN IDEC	SCIENCE 353 (6301): 777-783 AUG 19 2016 <a href="http://science.sciencemag.org/content/353/6301/777">http://science.sciencemag.org/content/353/6301/777</a>	36
53	小胶质细胞与阿尔茨海默症	Eliminating microglia in Alzheimers mice prevents neuronal loss without modulating amyloid-beta pathology	SPANGENBERG, EE PLEXXIKON	BRAIN 139: 1265-1281 PART 4 APR 2016 <a href="https://academic.oup.com/brain/article/139/4/1265/2464332/Elminating-microglia-in-Alzheimer-s-mice-prevents">https://academic.oup.com/brain/article/139/4/1265/2464332/Elminating-microglia-in-Alzheimer-s-mice-prevents</a>	35
54	综述：tau 蛋白病理学与神经退行性疾病	Tau in physiology and pathology	WANG, YP CTR ADV EUROPEAN STUDIES RES	NAT REV NEUROSCI 17 (1): 5-21 JAN 2016 <a href="http://www.nature.com/nrn/journal/v17/n1/full/nrn.2015.1.html">http://www.nature.com/nrn/journal/v17/n1/full/nrn.2015.1.html</a>	31

55	经颅直流电刺激的安全性	Safety of transcranial direct current stimulation: evidence based update 2016	BIKSON, M ALBERT EINSTEIN COLL MED	BRAIN STIMUL 9 (5): 641-661 SEP-OCT 2016 <a href="http://www.sciencedirect.com/science/article/pii/S1935861X16301401">http://www.sciencedirect.com/science/article/pii/S1935861X16301401</a>	30
56	TREM2 信号转导与小胶质细胞功能	TREM2 haplodeficiency in mice and humans impairs the microglia barrier function leading to decreased amyloid compaction and severe axonal dystrophy	YUAN, P CORNELL UNIV	NEURON 90 (4): 724-739 MAY 18 2016 <a href="http://www.cell.com/neuron/fulltext/S0896-6273(16)30163-5">http://www.cell.com/neuron/fulltext/S0896-6273(16)30163-5</a>	28
57	元分析: 免疫系统功能障碍与精神疾病	A meta-analysis of blood cytokine network alterations in psychiatric patients: comparisons between schizophrenia, bipolar disorder and	GOLDSMITH, DR AUGUSTA UNIV	MOL PSYCHIATR 21 (12): 1696-1709 DEC 2016 <a href="http://www.nature.com/mp/journal/v21/n12/full/mp20163a.html">http://www.nature.com/mp/journal/v21/n12/full/mp20163a.html</a>	24

		depression			
58	TREM2 与脂蛋白和载脂蛋白	TREM2 binds to apolipoproteins, including apoe and clu/apoj, and thereby facilitates uptake of amyloid-beta by microglia	YEH, FL 23ANDME INC	NEURON 91 (2): 328-340 JUL 20 2016 <a href="http://www.cell.com/neuron/fulltext/S0896-6273(16)30292-6">http://www.cell.com/neuron/fulltext/S0896-6273(16)30292-6</a>	24
59	急性缺血性中风的治疗	Mechanical thrombectomy after intravenous alteplase versus alteplase alone after stroke (thrace): a randomised controlled trial	BRACARD, S CHU BESANCON	LANCET NEUROL 15 (11): 1138-1147 OCT 2016 <a href="http://www.sciencedirect.com/science/article/pii/S1474442216301776">http://www.sciencedirect.com/science/article/pii/S1474442216301776</a>	22
60	综述：含钆磁共振造影剂（Gadolinium-based contrast agents)的聚集及其毒性	Gadolinium-based contrast agent accumulation and toxicity: an update	RAMALHO, J CENT HOSP LISBOA EPE	AMER J NEURORADIOL 37 (7): 1192-1198 JUL 2016 <a href="http://www.ajnr.org/content/37/7/1192">http://www.ajnr.org/content/37/7/1192</a>	22

61	综述：急、慢性痛中前扣带回突触可塑性	Synaptic plasticity in the anterior cingulate cortex in acute and chronic pain	BLISS, TVP LUNENFELD TANENBAUM RES INST	NAT REV NEUROSCI 17 (8): 485-496 AUG 2016 <a href="http://www.nature.com/nrn/journal/v17/n8/full/nrn.2016.68.html">http://www.nature.com/nrn/journal/v17/n8/full/nrn.2016.68.html</a>	20
62	母体感染寨卡病毒（Zika）与新生儿小头畸形（Microcephaly）	Congenital Zika virus infection beyond neonatal microcephaly	MELO, ASD NA-FAC CIENCIAS MED CAMPINA GRANDE	JAMA NEUROL 73 (12): 1407-1416 DEC 1 2016 <a href="http://jamanetwork.com/journals/jamaneurology/fullarticle/2557231">http://jamanetwork.com/journals/jamaneurology/fullarticle/2557231</a>	19
63	经颅直流电刺激治疗性使用的循证指导方针	Evidence-based guidelines on the therapeutic use of transcranial direct current stimulation (TDCS)	LEFAUCHEUR, JP ASSISTANCE PUBLIQUE HOPITAUX PARIS	CLIN NEUROPHYSIOL 128 (1): 56-92 JAN 2017 <a href="http://www.sciencedirect.com/science/article/pii/S138824571630">http://www.sciencedirect.com/science/article/pii/S138824571630</a>	16

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64	偏头痛 (Migraine)	The migraine generator revisited: continuous scanning of the migraine cycle over 30 days and three spontaneous attacks	SCHULTE, LH;MAY, A UNIV HAMBURG	BRAIN 139: 1987-1993 PART 7 JUL 2016 <a href="https://academic.oup.com/brain/article/139/7/1987/2464241/The-migraine-generator-revisited-continuous">https://academic.oup.com/brain/ article/139/7/1987/2464241/The -migraine-generator-revisited- continuous</a>	16
65	星形胶质细胞与环路功能	Astrocytes regulate cortical state switching in vivo	POSKANZER, KE COLUMBIA UNIV	PROC NAT ACAD SCI USA 113 (19): E2675-E2684 MAY 10 2016 <a href="http://www.pnas.org/content/113/19/E2675.long">http://www.pnas.org/content/113 /19/E2675.long</a>	15
66	经颅磁刺激激活“遗忘”记忆	Reactivation of latent working	ROSE, NS	SCIENCE 354 (6316): 1136-	15

		memories with transcranial magnetic stimulation	UNIV LIEGE	1139 DEC 2 2016 <a href="http://science.sciencemag.org/content/354/6316/1136">http://science.sciencemag.org/content/354/6316/1136</a>	
67	反应性星形胶质细胞与活化小胶质细胞	Neurotoxic reactive astrocytes are induced by activated microglia	LIDDELOW, SA NA-ADRIENNE HELIS MALVIN MED RES FDN	NATURE 541 (7638): - JAN 26 2017 <a href="http://www.nature.com/nature/journal/v541/n7638/abs/nature21029.html">http://www.nature.com/nature/journal/v541/n7638/abs/nature21029.html</a>	15
68	疼痛定义的更新	Updating the definition of pain	WILLIAMS, ACD UNIV BRITISH COLUMBIA	PAIN 157 (11): 2420-2423 NOV 2016 <a href="https://www.aaalac.org/BOD/AdhocNewsletter/Updating_the_definition_of_pain_Pain2016.pdf">https://www.aaalac.org/BOD/AdhocNewsletter/Updating_the_definition_of_pain_Pain2016.pdf</a>	15
69	小胶质细胞与突触发生	Microglia contact induces synapse	MIYAMOTO, A	NAT COMMUN 7: - AUG 2016	14

		formation in developing somatosensory cortex	GRAD SCH ADV STUDY	<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5007295/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5007295/</a>	
70	神经元聚集模式与记忆	Awake hippocampal reactivations project onto orthogonal neuronal assemblies	MALVACHE, A INSERM	SCIENCE 353 (6305): 1280-1283 SEP 16 2016 <a href="http://science.sciencemag.org/content/353/6305/1280">http://science.sciencemag.org/content/353/6305/1280</a>	13
71	综述: PET 在神经胶质瘤临床研究中的价值	Response assessment in neuro-oncology working group and European association for neuro-oncology recommendations for the clinical use of PET imaging in gliomas	ALBERT, NL CLEVELAND CLIN FDN	NEURO-ONCOLOGY 18 (9): 1199-1208 SEP 2016 <a href="https://academic.oup.com/neuro-oncology/article/18/9/1199/2223086/Response-Assessment-in-Neuro-Oncology-working">https://academic.oup.com/neuro-oncology/article/18/9/1199/2223086/Response-Assessment-in-Neuro-Oncology-working</a>	13
72	小鼠海马细胞的空间架构	In situ transcription profiling of single	SHAH, S	NEURON 92 (2): 342-357 OCT	11

		cells reveals spatial organization of cells in the mouse hippocampus	CALTECH	19 2016 <a href="http://www.cell.com/neuron/fulltext/S0896-6273(16)30702-4">http://www.cell.com/neuron/fulltext/S0896-6273(16)30702-4</a>	
73	免疫分析（Immunoassays）和 串联质谱法（Tandem mass spectrometry）测量唾液睾酮	A comparison of salivary testosterone measurement using immunoassays and tandem mass spectrometry	WELKER, KM OREGON HLTH SCI UNIV	PSYCHONEUROENDOCRIN OLOGY 71: 180-188 SEP 2016 <a href="http://www.sciencedirect.com/science/article/pii/S0306453016301536">http://www.sciencedirect.com/science/article/pii/S0306453016301536</a>	11
74	调控食欲的神经环路	A rapidly acting glutamatergic ARC -> PVH satiety circuit postsynaptically regulated by alpha-MSH	FENSELAU, H HARVARD UNIV	NAT NEUROSCI 20 (1): 42-51 JAN 2017 <a href="http://www.nature.com/neuro/journal/v20/n1/full/nn.4442.html">http://www.nature.com/neuro/journal/v20/n1/full/nn.4442.html</a>	11
75	综述：偏头痛的性别差异	Sex differences in the epidemiology, clinical features, and crossmark	VETVIK, KG QUEEN MARY UNIV LONDON	LANCET NEUROL 16 (1): 76- 87 JAN 2017	10

		pathophysiology of migraine		<a href="http://www.thelancet.com/journals/lanneur/article/PIIS1474-4422(16)30293-9/fulltext">http://www.thelancet.com/journals/lanneur/article/PIIS1474-4422(16)30293-9/fulltext</a>	
76	急性脑外伤后皮层损伤的恶化	The continuum of spreading depolarizations in acute cortical lesion development: Examining Leão's legacy	HARTINGS, JA AUGUSTA UNIV	J CEREBR BLOOD FLOW METABOL 37 (5): 1571-1594 MAY 2017 <a href="http://journals.sagepub.com/doi/pdf/10.1177/0271678X16654495">http://journals.sagepub.com/doi/pdf/10.1177/0271678X16654495</a>	10
77	在阿尔茨海默症早期, tau 蛋白具有保护性作用	Site-specific phosphorylation of tau inhibits amyloid-beta toxicity in Alzheimers mice	ITTNER, A NEUROSCI RES AUSTRALIA	SCIENCE 354 (6314): 904-908 NOV 18 2016 <a href="http://science.sciencemag.org/content/354/6314/904">http://science.sciencemag.org/content/354/6314/904</a>	10
78	利用基因突变小鼠研究睡眠与	Forward-genetics analysis of sleep in	FUNATO, H	NATURE 539 (7629): 378-383	9

	觉醒	randomly mutagenized mice	HOWARD HUGHES MED INST	NOV 17 2016 <a href="http://www.nature.com/nature/journal/v539/n7629/abs/nature20142.html?foxtrotcallback=true">http://www.nature.com/nature/journal/v539/n7629/abs/nature20142.html?foxtrotcallback=true</a>	
79	国际抗癫痫联盟（International league against epilepsy, ILAE）就癫痫发作类型发布修订版指导意见	Operational classification of seizure types by the international league against epilepsy: position paper of the ILAE commission for classification and terminology	FISHER, RS ALBERT EINSTEIN COLL MED	EPILEPSIA 58 (4): 522-530 APR 2017 <a href="http://onlinelibrary.wiley.com/doi/10.1111/epi.13670/full">http://onlinelibrary.wiley.com/doi/10.1111/epi.13670/full</a>	8
80	睡眠-觉醒节律中的兴奋性突触	Homer1a drives homeostatic scaling-down of excitatory synapses during sleep	DIERING, GH JOHNS HOPKINS UNIV	SCIENCE 355 (6324): 511-+ FEB 3 2017 <a href="http://science.sciencemag.org/content/355/6324/511">http://science.sciencemag.org/content/355/6324/511</a>	6
81	慢性广泛疼痛（Chronic widespread pain）与纤维肌痛综	Definition, diagnostics and therapy of chronic widespread pain and the (so-	DRAHEIM, N NA-DEUTSCH	SCHMERZ 31 (3): 296-306 JUN 2017	6

	合征 (Fibromyalgia syndrome)	called) fibromyalgia syndrome in children and adolescents. updated guidelines 2017	FIBROMYALGIE VEREINIGUNG	<a href="https://link.springer.com/article/10.1007/s00482-017-0208-z">https://link.springer.com/article/10.1007/s00482-017-0208-z</a>	
82	左旋多巴 (L-DOPA) 功能与帕金森氏病	Expanding the repertoire of L-DOPAS actions: a comprehensive review of its functional neurochemistry	DE DEURWAERDERE, P CARDIFF UNIV	PROG NEUROBIOL 151: 57-100 APR 2017 <a href="http://www.sciencedirect.com/science/article/pii/S0301008216300351">http://www.sciencedirect.com/science/article/pii/S0301008216300351</a>	6
83	利用计算机模型和在体神经元记录研究神经环路的空间结构	The spatial structure of correlated neuronal variability	ROSENBAUM, R ALBERT EINSTEIN COLL MED	NAT NEUROSCI 20 (1): 107-114 JAN 2017 <a href="http://www.nature.com/neuro/journal/v20/n1/full/nn.4433.html">http://www.nature.com/neuro/journal/v20/n1/full/nn.4433.html</a>	6
84	皮层扩散去极化 (Spreading depolarization,SD)	Recording, analysis, and interpretation of spreading depolarizations in neurointensive care: review and	DREIER, JP NA-ANIRA NEUROCHEM TECHNOL PLATFORM	J CEREBR BLOOD FLOW METABOL 37 (5): 1595-1625 MAY 2017	6

		recommendations of the COSBID research group		<a href="http://journals.sagepub.com/doi/abs/10.1177/0271678X1665449">http://journals.sagepub.com/doi/abs/10.1177/0271678X1665449</a> <u>6</u>	
85	综述：腹侧背盖区(Ventral tegmental area, VTA)	Ventral tegmental area: cellular heterogeneity, connectivity and behaviour	MORALES, M NATL INST DRUG ABUSE (NIDA)	NAT REV NEUROSCI 18 (2): 73-85 FEB 2017 <a href="http://www.nature.com/nrn/journal/v18/n2/full/nrn.2016.165.html">http://www.nature.com/nrn/journal/v18/n2/full/nrn.2016.165.html</a>	6
86	综述：免疫的神经调节机制	Neural regulation of immunity: molecular mechanisms and clinical translation	PAVLOV, VA NORTHWELL HLTH	NAT NEUROSCI 20 (2): 156-166 FEB 2017 <a href="http://www.nature.com/neuro/journal/v20/n2/full/nn.4477.html">http://www.nature.com/neuro/journal/v20/n2/full/nn.4477.html</a>	5
87	脑炎 (Encephalitis)	Evaluation of cognitive deficits and structural hippocampal damage in	FINKE, C CHARITE MED UNIV BERLIN	JAMA NEUROL 74 (1): 50-59 JAN 1 2017	5

		encephalitis with leucine-rich, glioma-inactivated 1 antibodies		<a href="http://jamanetwork.com/journals/jamaneurology/article-abstract/2586258">http://jamanetwork.com/journals/jamaneurology/article-abstract/2586258</a>	
88	遗传性痉挛性截瘫	Hereditary spastic paraplegia: clinical and genetic hallmarks	DE SOUZA, PVS UNIV FED SAO PAULO	CEREBELLUM 16 (2): 525-551 APR 2017 <a href="http://download.springer.com/static/pdf/157/art%253A10.1007%252Fs12311-016-0803-z.pdf?originUrl=https%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%252Fs12311-016-0803-z&amp;token2=exp=1506493461~acI=%2Fstatic%2Fpdf%2F157%2Fart%25253A10.1007%25252Fs12311-016-0803-">http://download.springer.com/static/pdf/157/art%253A10.1007%252Fs12311-016-0803-z.pdf?originUrl=https%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%252Fs12311-016-0803-z&amp;token2=exp=1506493461~acI=%2Fstatic%2Fpdf%2F157%2Fart%25253A10.1007%25252Fs12311-016-0803-</a>	5

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89	肌萎缩性脊髓侧索硬化症 (Amyotrophic lateral sclerosis, ALS)	Therapeutic reduction of ataxin-2 extends lifespan and reduces pathology in TDP-43 mice	BECKER, LA GOETHE UNIV FRANKFURT	NATURE 544 (7650): 367-+ APR 20 2017 <a href="https://www.nature.com/nature/journal/v544/n7650/full/nature22038.html">https://www.nature.com/nature/journal/v544/n7650/full/nature22038.html</a>	5
90	原脑桥 (Protocerebral bridge) 内的环吸引子 (Ring attractor)	Ring attractor dynamics emerge from a spiking model of the entire	KAKARIA, KS HARVARD UNIV	FRONT BEHAV NEUROSCI 11: - FEB 14 2017	5

	模型	protocerebral bridge		<a href="https://dash.harvard.edu/bitstream/handle/1/32072175/5306390.pdf?sequence=1">https://dash.harvard.edu/bitstream/handle/1/32072175/5306390.pdf?sequence=1</a>	
91	元分析：竞争影响睾酮浓度	Effects of competition outcome on testosterone concentrations in humans: an updated meta-analysis	GENIOLE, SN BROCK UNIV	HORMONE BEHAV 92: 37-50 SP. ISS. SI JUN 2017 <a href="http://www.sciencedirect.com/science/article/pii/S0018506X16300198">http://www.sciencedirect.com/science/article/pii/S0018506X16300198</a>	4
92	TREM2 受体与阿尔茨海默症	Alzheimer's disease-associated TREM2 variants exhibit either decreased or increased ligand-dependent activation	SONG, W ELI LILLY	ALZHEIMERS DEMENT 13 (4): 381-387 APR 2017 <a href="http://www.sciencedirect.com/science/article/pii/S1552526016302035">http://www.sciencedirect.com/science/article/pii/S1552526016302035</a>	4