

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 2018 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 2015 年 8 月至 2017 年 8 月发表的文章中, 在 2017 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 2018 年 1 月 11 日。

本期发布神经科学与行为领域热点文章 105 篇, 其中首次入榜文章 54 篇。单篇最高被引 528 次, 最低被引 3 次。被引 528 次的文章发表在 *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 54 篇中单篇最高被引 84 次的文章标题为 “The Role of Oxidative Stress in Neurodegenerative Diseases”, 第一作者是韩国梨花女子大学 (Ewha Womans University) 的 Geon Ha Kim, 讨论了氧化应激在神经退行性疾病中的角色。

另有首次入榜文章有:

- 35: 情感调节的神经机制;
- 45: 应激与内源性大麻素系统;
- 48: 啮齿类动物自我梳理 (Self-grooming) 行为及其在神经精神疾病动物模型中的价值;
- 50: 人脑中的磁性纳米粒子 (Magnetite nanoparticle);
- 57: 人脑连接组计划的神经影像学方法;
- 60: 脑-脊柱接口 (Brain - spine interface) 可缓解灵长类动物脊髓损伤后的步态不稳;
- 61: 铁、多巴胺、神经黑色素 (Neuromelanin) 在大脑衰老和帕金森氏病中的作用;
- 62: 昼夜节律、睡眠与神经系统退行;
- 66: 自闭症谱系障碍高危婴儿早期脑发育;
- 67: 清醒-睡眠节律中的突触重构;
- 70: 微生物群 (Microbiota)、免疫系统和神经系统在健康和疾病中的交互作用;
- 74: 人脑类器官 (Organoids);
- 76: 2016 年美国神经病学家 (Neurologist) 的职业倦怠、职业满意度和幸福感;
- 78: 全基因组测序确定自闭症谱系障碍 18 个候选基因;
- 80: 果蝇大脑中负责识别方向的 “方向” 细胞 (Head-direction);

82: 嗅觉功能障碍与神经退行性疾病;

88: 脊髓损伤的细胞移植疗法;

93: 条件刺激与长期记忆。

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 2018 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	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/10.1007%2Fs00401-016-1545-1	528
2	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	304
3	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	173

				http://www.nature.com/nature/journal/v537/n7618/full/nature19323.html	
4	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 http://science.sciencemag.org/content/352/6286/712	168
5	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 MITCHELL WOODS PHARMACEUT	NATURE 533 (7604): 481-+ MAY 26 2016 http://www.nature.com/nature/journal/v533/n7604/full/nature17998.html	141

6	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 http://www.nature.com/nature/journal/v536/n7615/full/nature18933.html	124
7	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	122
8	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 http://www.sciencedirect.com/science	120

				/article/pii/S1474442215004019	
9	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	111
10	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 http://link.springer.com/article/10.1007%2Fs12035-014-9070-5	107

11	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	105
12	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	NAT NEUROSCI 18 (11): 1664-1671 NOV 2015 http://www.nature.com/neuro/journal/v18/n11/abs/nn.4135.html	99
13	欧洲将击败阿尔茨海默症及其他痴呆症视为重大优先级任务	Defeating Alzheimers disease and other dementias: a priority for	WINBLAD, B NA-ALZHEIMER EUROPE	LANCET NEUROL 15 (5): 455-532 APR 2016	96

		European science and society		<a href="http://thelancet.com/pdfs/journals/lan-
eur/PIIS1474-4422(16)00062-4.pdf">http://thelancet.com/pdfs/journals/lan- eur/PIIS1474-4422(16)00062-4.pdf	
14	难治性癫痫 (Treatment-Resistant Epilepsy)	Cannabidiol in patients with treatment-resistant epilepsy: an open-label interventional trial	DEVINSKY, O BAYLOR COLL MED	LANCET NEUROL 15 (3): 270-278 MAR 2016 http://www.sciencedirect.com/science /article/pii/S1474442215003798	91
15	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 https://link.springer.com/article/10.10 07/s00401-015-1515-z	88

16	临床前期阿尔茨海默症	Preclinical Alzheimers disease: definition, natural history, and diagnostic criteria	DUBOIS, B NA-ALZHEIMERS ASSOC DIV MED & SCI RELAT	ALZHEIMERS DEMENT 12 (3): 292-323 MAR 2016 http://www.sciencedirect.com/science/article/pii/S1552526016000509	86
17	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 on regional anesthesia, executive committee, and administrative council	CHOU, R NA-AMER ACAD PAIN MED	J PAIN 17 (2): 131-157 FEB 2016 http://www.sciencedirect.com/science/article/pii/S1526590015009955	86

18	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 https://link.springer.com/article/10.1007%2Fs11064-015-1581-6	85
19	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 http://www.nature.com/neuro/journal/v19/n3/full/nn.4222.html	84
20	氧化应激在神经退行性疾病中的角色	The role of oxidative stress in neurodegenerative diseases	KIM, GH EWHHA WOMANS UNIV	EXP NEUROBIOL 24 (4): 325-340 DEC 2015	84

				https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4688332/	
21	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 http://www.sciencedirect.com/science/article/pii/S1474442216000703	82
22	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 http://www.nature.com/nature/journal/v539/n7628/full/nature20413.html	77
23	综述：皮质醇觉醒反应 (Cortisol Awakening	Assessment of the cortisol awakening response: expert consensus	STALDER, T MCGILL UNIV	PSYCHONEUROENDOCRINOLOGY 63: 414-432 JAN 2016	74

	Response) 的评估	guidelines		http://www.sciencedirect.com/science/article/pii/S0306453015009580	
24	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 http://science.sciencemag.org/content/353/6301/777	74
25	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	73

26	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 http://www.nature.com/nrn/journal/v16/n12/full/nrn4023.html	72
27	静脉应用重组组织型纤溶酶原激活剂 (阿替普酶, Alteplase) 治疗急性缺血性卒中的指征	Scientific rationale for the inclusion and exclusion criteria for intravenous alteplase in acute ischemic stroke a statement for healthcare professionals from the American Heart Association/American Stroke Association	DEMAERSCHALK, BM MAYO	STROKE 47 (2): 581-+ FEB 2016 http://stroke.ahajournals.org/content/47/2/581	71
28	综述: 小胶质细胞和巨噬细胞在神经胶质瘤 (Glioma) 的维	The role of microglia and macrophages in glioma maintenance	HAMBARDZUMYAN, D CLEVELAND CLIN FDN	NAT NEUROSCI 19 (1): 20-27 JAN 2016	70

	持与恶化中的作用	and progression		http://www.nature.com/neuro/journal/v19/n1/full/nn.4185.html	
29	综述：经颅直流电刺激（Transcranial direct current stimulation, tDCS）的技术指导	A technical guide to tDCS, and related non-invasive brain stimulation tools	WOODS, AJ CARL VON OSSIETZKY UNIV OLDENBURG	CLIN NEUROPHYSIOL 127 (2): 1031-1048 FEB 2016 http://www.clinph-journal.com/article/S1388-2457(15)01088-3/pdf	70
30	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 http://www.nature.com/nrn/journal/v17/n5/full/nrn.2016.22.html	69

31	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 ADRIENNE HELIS MALVIN MED RES FDN	NATURE 541 (7638): - JAN 26 2017 http://www.nature.com/nature/journal/v541/n7638/abs/nature21029.html	69
32	利用 PET 示踪剂研究阿尔茨海默症中的 tau 蛋白病变	Tau pet patterns mirror clinical and neuroanatomical variability in Alzheimers disease	OSSENKOPPELE, R CHILDRENS HOSP COLORADO	BRAIN 139: 1551-1567 PART 5 MAY 1 2016 https://academic.oup.com/brain/article/139/5/1551/2468725/Tau-PET-patterns-mirror-clinical-and	69
33	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 http://www.nature.com/neuro/journal/v19/n8/full/nn.4338.html	68

34	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): 182-189 FEB 2016 https://www.nature.com/articles/nn.4201	68
35	情感调节的神经机制	The neural bases of emotion regulation	ETKIN, A NA-SIERRA PACIFIC MENTAL ILLNESS, RES, EDUC & CLIN CTR	NAT REV NEUROSCI 16 (11): 693- + NOV 2015 https://www.nature.com/articles/nrn4044?lang=en?WT.ec_id=NRN-201511&spMailingID=49817186&spUserID=MTc2ODAxMzIwOQS2&spJobID=782734166&spReportId=NzgyNzYyM0MTY2S0	66
36	重性抑郁症皮层下脑结构的改	Subcortical brain alterations in major	SCHMAAL, L	MOL PSYCHIATR 21 (6): 806-812	63

	变	depressive disorder: findings from the enigma major depressive disorder working group	CHARITE MED UNIV BERLIN	JUN 2016 http://www.nature.com/mp/journal/v21/n6/full/mp201569a.html	
37	静息态 MRI 可以预测执行任务时脑活动的个体差异	Task-free MRI predicts individual differences in brain activity during task performance	TAVOR, I CHAIM SHEBA MED CTR	SCIENCE 352 (6282): 216-220 APR 8 2016 http://www.uwo.ca/bmi/cbs/img/Behrens.pdf	63
38	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 http://www.nature.com/npp/journal/v41/n1/full/npp2015171a.html	63

39	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 http://www.nature.com/nrn/journal/v17/n1/full/nrn.2015.1.html	61
40	成年中风患者复健与康复指导方针	Guidelines for adult stroke rehabilitation and recovery a guideline for healthcare professionals from the American Heart Association/American Stroke Association	WINSTEIN, CJ ---	STROKE 47 (6): E98-E169 JUN 2016 http://stroke.ahajournals.org/content/early/2016/05/04/STR.0000000000000098	60
41	功能性胰腺神经内分泌肿瘤与非功能性胰腺神经内分泌肿瘤患者临床管理指导方针	ENETS consensus guidelines update for the management of patients with functional pancreatic neuroendocrine tumors and non-functional pancreatic neuroendocrine tumors	FALCONI, M CATHOLIC UNIV SACRED HEART	NEUROENDOCRINOLOGY 103 (2): 153-171 2016 https://www.karger.com/Article/FullText/443171	60

42	综述：小胶质细胞与创伤性脑损伤（Traumatic Brain Injury, TBI）	Microglia in the TBI brain: the good, the bad, and the dysregulated	LOANE, DJ UNIV MARYLAND BALTIMORE	EXP NEUROL 275: 316-327 PART 3 SP. ISS. SI JAN 2016 http://www.sciencedirect.com/science/article/pii/S0014488615300790	57
43	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 http://www.sciencedirect.com/science/article/pii/S1474442216300734	57
44	催产素与人类社会性行为	The social salience hypothesis of oxytocin	SHAMAY-TSOORY, SG UNIV BIRMINGHAM	BIOL PSYCHIAT 79 (3): 194-202 FEB 1 2016 http://pure-oai.bham.ac.uk/ws/files/27545178/Sh	53

				amay Tsoory et al Social salience hypothesis Biological Psychiatry 2015.pdf	
45	应激与内源性大麻素系统	Neurobiological interactions between stress and the endocannabinoid system	MORENA, M UNIV CALGARY	NEUROPSYCHOPHARMACOLOGY 41 (1): 80-102 JAN 2016 https://www.nature.com/articles/npp2015166	52
46	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 http://www.sciencedirect.com/science/article/pii/S1935861X16301401	52
47	急性缺血性中风的治疗	Mechanical thrombectomy after intravenous alteplase versus alteplase	BRACARD, S CHU BESANCON	LANCET NEUROL 15 (11): 1138-1147 OCT 2016	47

		alone after stroke (thrace): a randomised controlled trial		http://www.sciencedirect.com/science/article/pii/S1474442216301776	
48	啮齿类动物自我梳理 (Self-grooming) 行为及其在神经精神疾病动物模型中的价值	Neurobiology of rodent self-grooming and its value for translational neuroscience	KALUEFF, AV CHINA MED UNIV	NAT REV NEUROSCI 17 (1): 45-59 JAN 2016 https://lsa.umich.edu/psych/research&labs/berridge/publications/Kalueff,%20Stewart,%20Song,%20Berridge,%20Graybiel%20&%20Fentress%20Neurobio%20of%20grooming%20Natl%20Rev%20Neurosci.pdf	43
49	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 http://www.sciencedirect.com/science/article/pii/S1388245716306344	40

50	人脑中的磁性纳米粒子 (Magnetite nanoparticle)	Magnetite pollution nanoparticles in the human brain	MAHER, BA LANCASTER UNIV	PROC NAT ACAD SCI USA 113 (39): 10797-10801 SEP 27 2016 http://www.pnas.org/content/113/39/10797.abstract	40
51	新皮层中的 GABA 能中间神经 元	GABAergic interneurons in the neocortex: from cellular properties to circuits	TREMBLAY, R NEW YORK UNIV	NEURON 91 (2): 260-292 JUL 20 2016 http://www.cell.com/neuron/pdf/S0896-6273(16)30311-7.pdf	37
52	长链非编码 RNA 与哺乳动物神 经系统发育、可塑性、疾病和 进化	Mechanisms of long non-coding RNAs in mammalian nervous system development, plasticity, disease, and evolution	BRIGGS, JA GARVAN INST MED RES	NEURON 88 (5): 861-877 DEC 2 2015 http://www.cell.com/neuron/pdf/S0896-6273(15)00834-X.pdf	37

53	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 http://journals.sagepub.com/doi/pdf/10.1177/0269881116675512	37
54	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 depression	GOLDSMITH, DR AUGUSTA UNIV	MOL PSYCHIATR 21 (12): 1696-1709 DEC 2016 http://www.nature.com/mp/journal/v21/n12/full/mp20163a.html	37
55	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 http://www.nature.com/nrn/journal/v17/n7/abs/nrn.2016.44.html	35

56	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 http://journals.sagepub.com/doi/pdf/10.1177/0269881116675513	34
57	人脑连接组计划的神经影像学 方法	The human connectome project's neuroimaging approach	GLASSER, MF ICAHN SCH MED MOUNT SINAI	NAT NEUROSCI 19 (9): 1175-1187 SEP 2016 https://www.nature.com/articles/nn.4361?WT.ec_id=NEURO-201609&spMailingID=52154112&spUserID=MzU5NjQ4NTcyMQS2&spJobID=984851528&spReportId=OTg0ODUxNTI4S0	29

58	创伤性脑损伤的远期影响	Association of traumatic brain injury with late-life neurodegenerative conditions and neuropathologic findings	CRANE, PK CLEVELAND CLIN FDN	JAMA NEUROL 73 (9): 1062-1069 SEP 2016 https://jamanetwork.com/journals/jamaneurology/fullarticle/2532818	29
59	走神 (Mind-wandering)	Mind-wandering as spontaneous thought: a dynamic framework	CHRISTOFF, K CORNELL UNIV	NAT REV NEUROSCI 17 (11): 718-731 NOV 2016 https://scottbarrykaufman.com/wp-content/uploads/2016/09/Christoff-et-al.-2016.pdf	27
60	脑-脊柱接口 (Brain-spine interface) 可缓解灵长类动物脊髓损伤后的步态不稳	A brain-spine interface alleviating gait deficits after spinal cord injury in primates	CAPOGROSSO, M BROWN UNIV	NATURE 539 (7628): 284-+ NOV 10 2016 https://www.nature.com/articles/nature20118	27
61	铁、多巴胺、神经黑色素	Interactions of iron, dopamine and	ZUCCA, FA	PROG NEUROBIOL 155: 96-119	25

	(Neuromelanin) 在大脑衰老和帕金森氏病中的作用	neuromelanin pathways in brain aging and Parkinsons disease	CNR	SP. ISS. SI AUG 2017 https://www.sciencedirect.com/science/article/pii/S030100821500101X	
62	昼夜节律、睡眠与神经系统退化	Mechanisms linking circadian clocks, sleep, and neurodegeneration	MUSIEK, ES WASHINGTON UNIV	SCIENCE 354 (6315): 1004-1008 SP. ISS. SI NOV 25 2016 http://science.sciencemag.org/content/354/6315/1004	24
63	国际抗癫痫联盟 (International League Against Epilepsy, ILAE) 更新癫痫分类学	ILAE classification of the epilepsies: position paper of the ILAE commission for classification and terminology	SCHEFFER, IE ALBERT EINSTEIN COLL MED	EPILEPSIA 58 (4): 512-521 APR 2017 http://onlinelibrary.wiley.com/doi/10.1111/epi.13709/full	24
64	综述: 疼痛的调节	Pain regulation by non-neuronal cells and inflammation	JI, RR DUKE UNIV	SCIENCE 354 (6312): 572-577 NOV 4 2016 http://science.sciencemag.org/content	24

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65	神经影像研究结果的可靠性	Scanning the horizon: towards transparent and reproducible neuroimaging research	POLDRACK, RA CEA	NAT REV NEUROSCI 18 (2): 115-126 FEB 2017 https://www.nature.com/articles/nrn.2016.167	23
66	自闭症谱系障碍高危婴儿早期脑发育	Early brain development in infants at high risk for autism spectrum disorder	HAZLETT, HC CAROLINA INST DEV DISABIL	NATURE 542 (7641): 348+ FEB 16 2017 https://pdfs.semanticscholar.org/77ab/4ca4c04d451cf9204954b03525ef3c3d8f5f.pdf	21
67	清醒-睡眠节律中的突触重构	Ultrastructural evidence for synaptic scaling across the wake/sleep cycle	DE VIVO, L MARCHE POLYTECH UNIV	SCIENCE 355 (6324): 507-510 FEB 3 2017	21

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68	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 http://onlinelibrary.wiley.com/doi/10.1111/epi.13670/full	21
69	TREM2 与阿尔茨海默症	Disease progression-dependent effects of TREM2 deficiency in a mouse model of Alzheimers disease	JAY, TR BIOGEN IDEC	J NEUROSCI 37 (3): 637-647 JAN 18 2017 http://www.jneurosci.org/content/37/3/637	19
70	微生物群 (Microbiota)、免疫系统和神经系统在健康和疾病中的交互作用	Interactions between the microbiota, immune and nervous systems in health and disease	FUNG, TC UNIV CALIF LOS ANGELES	NAT NEUROSCI 20 (2): 145-155 FEB 2017 https://hsiao.science/static/pdf/FUNG	19

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71	帕金森氏病	Selective neuronal vulnerability in Parkinson disease	SURMEIER, DJ HOSP MADRID	NAT REV NEUROSCI 18 (2): 101-113 FEB 2017 https://www.ncbi.nlm.nih.gov/labs/articles/28104909/	14
72	利用多能干细胞 (Pluripotent stem cell) 技术研究神经系统发育	Assembly of functionally integrated human forebrain spheroids	BIREY, F BD GENOM	NATURE 545 (7652): 54-+ MAY 4 2017 https://www.nature.com/articles/nature22330	14
73	利用 PET 研究阿尔茨海默症和进行性核上性麻痹 (Progressive Supranuclear Palsy)	¹⁸ F-AV-1451 positron emission tomography in Alzheimers disease and progressive supranuclear palsy	PASSAMONTI, L CNR	BRAIN 140: 781-791 PART 3 MAR 2017 https://core.ac.uk/download/pdf/77596301.pdf	13

74	在培养基中维持 9 个多月的人 脑类器官 (Organoids)	Cell diversity and network dynamics in photosensitive human brain organoids	QUADRATO, G BROAD INST	NATURE 545 (7652): 48-+ MAY 4 2017 https://www.nature.com/articles/nature22047	13
75	一般人群中阻塞性睡眠呼吸暂停 (Obstructive sleep apnea) 的患病率	Prevalence of obstructive sleep apnea in the general population: a systematic review	SENARATNA, CV INST BREATHING SLEEP	SLEEP MED REV 34: 70-81 AUG 2017 http://www.smrjournal.com/article/S1087-0792(16)30064-8/abstract	12
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77	星形胶质细胞与神经环路调节	Functional diversity of astrocytes in neural circuit regulation	BEN HAIM, L UNIV CALIF SAN FRANCISCO	NAT REV NEUROSCI 18 (1): 31-41 JAN 2017 https://www.nature.com/articles/nrn.2016.159	12
78	全基因组测序确定自闭症谱系障碍 18 个候选基因	Whole genome sequencing resource identifies 18 new candidate genes for Autism spectrum disorder	YUEN, RKC NA-AUTISM SPEAKS	NAT NEUROSCI 20 (4): 602-+ APR 2017 https://www.nature.com/articles/nn.4524	11
79	背根神经节刺激治疗复杂性区域疼痛综合征 (Complex regional pain syndrome)	Dorsal root ganglion stimulation yielded higher treatment success rate for complex regional pain syndrome and causalgia at 3 and 12 months: a randomized comparative trial	DEER, TR NA-CAROLINAS PAIN INST	PAIN 158 (4): 669-681 APR 2017 https://journals.lww.com/pain/Citation/2017/04000/Dorsal_root_ganglion_stimulation_yielded_higher.14.aspx	11
80	果蝇大脑中负责识别方向的“方向”细胞 (Head-	A neural circuit architecture for angular integration in drosophila	GREEN, J ROCKEFELLER UNIV	NATURE 546 (7656): 101-+ JUN 1 2017	11

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81	EEG 和 ERP 研究中的参考电极问题	Is the surface potential integral of a dipole in a volume conductor always zero? a cloud over the average reference of EEG and ERP	YAO, DZ UNIV ELECT SCI & TECHNOL CHINA	BRAIN TOPOGR 30 (2): 161-171 MAR 2017 https://link.springer.com/content/pdf/10.1007%2Fs10548-016-0543-x.pdf	10
82	嗅觉功能障碍与神经退行性疾病	Olfactory dysfunction in neurodegenerative diseases: is there a common pathological substrate?	DOTY, RL UNIV PENN	LANCET NEUROL 16 (6): 478-488 JUN 2017 http://www.thelancet.com/pdfs/journals/laneur/PIIS1474-4422(17)30123-0.pdf	9
83	亲社会行为的神经机制	Hormonal gain control of a medial preoptic area social reward circuit	MCHENRY, JA ST PETERSBURG STATE UNIV	NAT NEUROSCI 20 (3): 449-458 MAR 2017 https://images.nature.com/original/na	9

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86	小胶质细胞 (Microglia)	A new fate mapping system reveals context-dependent random or clonal	TAY, TL BIH	NAT NEUROSCI 20 (6): 793-- JUN 2017	8

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87	人垂体腺瘤 (Pituitary Adenomas) 中的干细胞样细胞	Phenotypical and pharmacological characterization of stem-like cells in human pituitary adenomas	WURTH, R IRCCS NATL INST CANC RES	MOL NEUROBIOL 54 (7): 4879-4895 SEP 2017 https://link.springer.com/article/10.1007/s12035-016-0025-x	7
88	脊髓损伤的细胞移植疗法	Cell transplantation therapy for spinal cord injury	ASSINCK, P UNIV BRITISH COLUMBIA	NAT NEUROSCI 20 (5): 637-647 MAY 2017 https://www.nature.com/articles/nn.4541	7
89	急性缺血性中风 (Acute ischemic stroke) 的治疗	General anesthesia versus conscious sedation for endovascular treatment of acute ischemic stroke the anstroke trial (anesthesia during stroke)	HENDEN, PL SAHLGRENS UNIV HOSP	STROKE 48 (6): 1601-+ JUN 2017 http://stroke.ahajournals.org/content/48/6/1601	6

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92	IRE1 信号传导与阿尔茨海默症发病机制	IRE1 signaling exacerbates Alzheimers disease pathogenesis	DURAN-ANIOTZ, C BUCK INST RES AGING	ACTA NEUROPATHOL 134 (3): 489-506 SEP 2017 https://link.springer.com/article/10.1007/s00401-017-1694-x	6
93	条件刺激与长期记忆	Neural ensemble dynamics underlying a long-term associative	GREWE, BF FRIEDRICH MIESCHER INST	NATURE 543 (7647): 670-+ MAR 30 2017	6

		memory	BIOMED RES	https://pyramidal.stanford.edu/publications/Grewe2017_nature21682.pdf	
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95	伴有泛素免疫活性的额颞叶退行性病变 (Frontotemporal lobar degeneration with ubiquitin)	Reappraisal of TDP-43 pathology in FTLD-U subtypes	MACKENZIE, IR DEUTSCHES FORSCHUNGSZENTRUM NEURODEGEN ERKRANKUNGEN	ACTA NEUROPATHOL 134 (1): 79-96 JUL 2017 https://link.springer.com/article/10.1007/s00401-017-1716-8	5
96	胶质母细胞瘤 (Glioblastoma)	Efficacy and safety results of ABT-414 in combination with radiation and temozolomide in newly diagnosed glioblastoma	REARDON, DA ABBVIE	NEURO-ONCOLOGY 19 (7): 965-975 JUL 2017 https://academic.oup.com/neuro-oncology/article/19/7/965/2760198	5

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99	加拿大外伤性脊髓损伤护理	Traumatic spinal cord injury care in Canada: a survey of Canadian centers	NOONAN, VK DALHOUSIE UNIV	J NEUROTRAUMA 34 (20): 2848-2855 OCT 15 2017 http://online.liebertpub.com/doi/pdfplus/10.1089/neu.2016.4928	4

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101	海马	Of horse-caterpillars and homologies: evolution of the hippocampus and its name	BUTLER, AB GEORGE MASON UNIV	BRAIN BEHAV EVOL 90 (1): 7-14 SEP 2017 https://www.karger.com/Article/Abstract/475981	3
102	不确定性与应激	Uncertainty and stress: why it causes diseases and how it is mastered by the brain	PETERS, A ROCKEFELLER UNIV	PROG NEUROBIOL 156: 164-188 SEP 2017 https://www.sciencedirect.com/science/article/pii/S0301008217300369	3

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105	神经胶质瘤 (Gliomas)	Tumor microtubes convey resistance to surgical lesions and chemotherapy in gliomas	WEIL, S GERMAN CANC RES CTR	NEURO-ONCOLOGY 19 (10): 1316-1326 OCT 2017 https://www.academic.oup.com/neuro-oncology/article/19/10/1316/3738031	3

