

# 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 2018 年 11 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 2016 年 6 月至 2018 年 6 月发表的文章中, 在 2018 年 7 月和 8 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 11 月 15 日。

本期发布神经科学与行为领域热点文章 97 篇, 其中首次入榜文章 41 篇。单篇最高被引 362 次, 最低被引 4 次。被引 362 次的文章发表在 *Nature* 上, 标题为“*The antibody aducanumab reduces A $\beta$  plaques in Alzheimer’s disease*”, 第一作者为美国 BIOGEN IDEC 公司的 Jeff Sevigny, 研究讨论了阿尔茨海默症中 A $\beta$  斑块的沉积。首次入榜的 41 篇中单篇最高被引 55 次的文章标题为“*Integrating psychological and neurobiological considerations regarding the development and maintenance of specific Internet-use disorders: An Interaction of Person-Affect-Cognition-Execution (I-PACE) model*”, 发表在 *Neuroscience & Biobehavioral Reviews* 上, 第一作者是德国杜伊斯堡埃森大学 (University of Duisburg-Essen) 的 Matthias Brand, 讨论了网络使用障碍 (Internet-use-disorder)。

首次入榜文章有:

- 57: 海马神经发生与认知弹性 (Cognitive flexibility);
- 58: 大尺度脑网络;
- 65: 小世界网络 (Small-world network);
- 67: 更新美国神经病学学会 (American Academy of Neurology) 轻度认知障碍指导方针 (2001 版);
- 72: 2018 版美国国家老龄化研究所和阿尔茨海默病学会 (National Institute on Aging—Alzheimer’s Association, NIA-AA) 研究框架;
- 74: 海马与远期奖赏预测;
- 76: 年龄相关脑功能指标与死亡率;
- 77: 深度学习与卷积神经网络;
- 82: REM 睡眠期行为障碍 (REM sleep behavior disorder) 与神经退行;
- 84: 生酮饮食 (ketogenic diet) 与神经系统疾病;
- 95: 海马在预测 PTSD 发生中的角色。

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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 2018 年 11 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	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>	362
2	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): 481-487 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>	308
3	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>	217

4	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 <a href="http://onlinelibrary.wiley.com/doi/10.1111/epi.13709/full">http://onlinelibrary.wiley.com/doi/10.1111/epi.13709/full</a>	161
5	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>	139
6	国际抗癫痫联盟 (International league against epilepsy, ILAE)	OPERATIONAL CLASSIFICATION OF SEIZURE TYPES BY THE	FISHER, RS ALBERT EINSTEIN COLL	EPILEPSIA 58 (4): 522-530 APR 2017	117

	就癫痫发作类型发布修订版指导意见	INTERNATIONAL LEAGUE AGAINST EPILEPSY: POSITION PAPER OF THE ILAE COMMISSION FOR CLASSIFICATION AND TERMINOLOGY	MED	<a href="http://onlinelibrary.wiley.com/doi/10.1111/epi.13670/full">http://onlinelibrary.wiley.com/doi/10.1111/epi.13670/full</a>	
7	路易氏体痴呆 (Dementia with Lewy Bodies) 的诊断与管理	DIAGNOSIS AND MANAGEMENT OF DEMENTIA WITH LEWY BODIES FOURTH CONSENSUS REPORT OF THE DLB CONSORTIUM	MCKEITH, IG NA-AXOVANT SCI INC	NEUROLOGY 89 (1): 88-100 JUL 4 2017 <a href="http://n.neurology.org/content/neurology/89/1/88.full.pdf">http://n.neurology.org/content/neurology/89/1/88.full.pdf</a>	113
8	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/S1388245716306344">http://www.sciencedirect.com/science/article/pii/S1388245716306344</a>	110
9	经颅直流电刺激的安全性	Safety of transcranial direct current	BIKSON, M	BRAIN STIMUL 9 (5): 641-661	108

		stimulation: evidence based update 2016	ALBERT EINSTEIN COLL MED	SEP-OCT 2016 <a href="http://www.sciencedirect.com/science/article/pii/S1935861X16301401">http://www.sciencedirect.com/science/article/pii/S1935861X16301401</a>	
10	综述：语义认知（Semantic cognition）的认知与神经计算机制	THE NEURAL AND COMPUTATIONAL BASES OF SEMANTIC COGNITION	RALPH, MAL MRC	NAT REV NEUROSCI 18 (1): 42-55 JAN 2017 <a href="https://www.nature.com/articles/nrn.2016.150">https://www.nature.com/articles/nrn.2016.150</a>	94
11	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 <a href="http://science.sciencemag.org/content/354/6312/572">http://science.sciencemag.org/content/354/6312/572</a>	89
12	神经影像研究结果的可靠性	Scanning the horizon: towards	POLDRACK, RA	NAT REV NEUROSCI 18 (2): 115-	85

		transparent and reproducible neuroimaging research	CEA	126 FEB 2017 <a href="https://www.nature.com/articles/nrn.2016.167">https://www.nature.com/articles/nrn.2016.167</a>	
13	精神分裂症的多基因遗传风险	GENE EXPRESSION ELUCIDATES FUNCTIONAL IMPACT OF POLYGENIC RISK FOR SCHIZOPHRENIA	FROMER, M BROAD INST	NAT NEUROSCI 19 (11): 1442-1453 NOV 2016 <a href="https://dash.harvard.edu/bitstream/handle/1/32071902/5083142.pdf?sequence=1">https://dash.harvard.edu/bitstream/handle/1/32071902/5083142.pdf?sequence=1</a>	82
14	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 <a href="http://www.pnas.org/content/113/39/10797.abstract">http://www.pnas.org/content/113/39/10797.abstract</a>	82
15	综述：帕金森氏病的流行病学	THE EPIDEMIOLOGY OF	ASCHERIO, A	LANCET NEUROL 15 (12): 1255-	81



	研究	PARKINSONS DISEASE: RISK FACTORS AND PREVENTION	HARVARD TH CHAN SCH PUBL HLTH	1270 NOV 2016 <a href="https://www.sciencedirect.com/science/article/pii/S1474442216302307">https://www.sciencedirect.com/science/article/pii/S1474442216302307</a>	
16	神经科学中的行为学研究	NEUROSCIENCE NEEDS BEHAVIOR: CORRECTING A REDUCTIONIST BIAS	KRAKAUER, JW CSIC	NEURON 93 (3): 480-490 FEB 8 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0896627316310406">https://www.sciencedirect.com/science/article/pii/S0896627316310406</a>	77
17	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 <a href="https://hsiao.science/static/pdf/FUNG2016.pdf">https://hsiao.science/static/pdf/FUNG2016.pdf</a>	77
18	综述: 网络神经科学	NETWORK NEUROSCIENCE	BASSETT, DS INDIANA UNIV BLOOMINGTON	NAT NEUROSCI 20 (3): 353-364 MAR 2017 <a href="https://www.ncbi.nlm.nih.gov/labs/art">https://www.ncbi.nlm.nih.gov/labs/art</a>	76

				<a href="#">icles/28230844/</a>	
19	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>	76
20	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 <a href="https://pdfs.semanticscholar.org/77ab/4ca4c04d451cf9204954b03525ef3c3d8f5f.pdf">https://pdfs.semanticscholar.org/77ab/4ca4c04d451cf9204954b03525ef3c3d8f5f.pdf</a>	73
21	被特定配体活化的受体 (designer receptors exclusively activated by a designer drugs,	CHEMOGENETICS REVEALED: DREADD OCCUPANCY AND ACTIVATION VIA CONVERTED	GOMEZ, JL JOHNS HOPKINS MED	SCIENCE 357 (6350): 503-+ AUG 4 2017 <a href="http://science.sciencemag.org/content">http://science.sciencemag.org/content</a>	73

	DREADDs) 技术	CLOZAPINE		<a href="#">/357/6350/503</a>	
22	综述: 细胞自噬 (Autophagy) 与神经退行性病变	AUTOPHAGY AND NEURODEGENERATION: PATHOGENIC MECHANISMS AND THERAPEUTIC OPPORTUNITIES	MENZIES, FM ELI LILLY	NEURON 93 (5): 1015-1034 MAR 8 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0896627317300466">https://www.sciencedirect.com/science/article/pii/S0896627317300466</a>	72
23	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 <a href="https://www.nature.com/articles/nature20118">https://www.nature.com/articles/nature20118</a>	70
24	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 <a href="https://www.nature.com/articles/nn.4524">https://www.nature.com/articles/nn.4524</a>	69

25	帕金森氏病	SELECTIVE NEURONAL VULNERABILITY IN PARKINSON DISEASE	SURMEIER, DJ HOSP MADRID	NAT REV NEUROSCI 18 (2): 101- 113 FEB 2017 <a href="https://www.ncbi.nlm.nih.gov/labs/art&lt;br/&gt;icles/28104909/">https://www.ncbi.nlm.nih.gov/labs/art icles/28104909/</a>	67
26	AHA/ASA: 2018 版急性缺血性 中风早期管理指导方针	2018 GUIDELINES FOR THE EARLY MANAGEMENT OF PATIENTS WITH ACUTE ISCHEMIC STROKE: A GUIDELINE FOR HEALTHCARE PROFESSIONALS FROM THE AMERICAN HEART ASSOCIATION/AMERICAN STROKE ASSOCIATION	POWERS, WJ -	STROKE 49 (3): E46-E110 MAR 2018 <a href="https://www.ahajournals.org/doi/10.1&lt;br/&gt;161/STR.0000000000000158">https://www.ahajournals.org/doi/10.1 161/STR.0000000000000158</a>	66
27	基于神经影像技术预测单个个	SINGLE SUBJECT PREDICTION	ARBABSHIRANI, MR	NEUROIMAGE 145: 137-165 PART	65

	体所患脑疾病的类型	OF BRAIN DISORDERS IN NEUROIMAGING: PROMISES AND PITFALLS	CHINESE ACAD SCI	B SP. ISS. SI JAN 15 2017 <a href="https://www.sciencedirect.com/science/article/pii/S105381191600210X">https://www.sciencedirect.com/science/article/pii/S105381191600210X</a>	
28	综述：童年受虐对脑结构、功能与连接性的作用	THE EFFECTS OF CHILDHOOD MALTREATMENT ON BRAIN STRUCTURE, FUNCTION AND CONNECTIVITY	TEICHER, MH HARVARD UNIV	NAT REV NEUROSCI 17 (10): 652- + OCT 2016 <a href="https://www.ncbi.nlm.nih.gov/labs/articles/27640984/">https://www.ncbi.nlm.nih.gov/labs/articles/27640984/</a>	65
29	蓝斑 (Locus Coeruleus)、多巴胺能通路 with 日常记忆	Locus coeruleus and dopaminergic consolidation of everyday memory	TAKEUCHI, T CSIC	NATURE 537 (7620): 357-+ SEP 15 2016 <a href="http://www2.gsu.edu/~biocjj/7%20Locus%20coeruleus%20and%20dopaminergic%20consolidation%20of%20everyday%20memory%20-%20Copy.pdf">http://www2.gsu.edu/~biocjj/7%20Locus%20coeruleus%20and%20dopaminergic%20consolidation%20of%20everyday%20memory%20-%20Copy.pdf</a>	63

30	进行性核上性麻痹 (progressive supranuclear palsy, PSP) 的临床诊断	CLINICAL DIAGNOSIS OF PROGRESSIVE SUPRANUCLEAR PALSY: THE MOVEMENT DISORDER SOCIETY CRITERIA	HOGLINGER, GU ASSISTANCE PUBLIQUE HOPITAUX PARIS	MOVEMENT DISORD 32 (6): 853-864 JUN 2017 <a href="https://onlinelibrary.wiley.com/doi/full/10.1002/mds.26987">https://onlinelibrary.wiley.com/doi/full/10.1002/mds.26987</a>	62
31	记忆的巩固	ENGRAMS AND CIRCUITS CRUCIAL FOR SYSTEMS CONSOLIDATION OF A MEMORY	KITAMURA, T HOWARD HUGHES MED INST	SCIENCE 356 (6333): 73-+ APR 7 2017 <a href="http://science.sciencemag.org/content/356/6333/73.full">http://science.sciencemag.org/content/356/6333/73.full</a>	57
32	网络使用障碍 (Internet-use-disorder)	INTEGRATING PSYCHOLOGICAL AND NEUROBIOLOGICAL CONSIDERATIONS REGARDING THE DEVELOPMENT AND MAINTENANCE OF SPECIFIC INTERNET-USE DISORDERS: AN	BRAND, M YALE UNIVERSITY	NEUROSCI BIOBEHAV REV 71: 252-266 DEC 2016 <a href="https://www.sciencedirect.com/science/article/pii/S0149763416302627">https://www.sciencedirect.com/science/article/pii/S0149763416302627</a>	55

		<b>INTERACTION OF PERSON-AFFECT-COGNITION-EXECUTION (I-PACE) MODEL</b>			
33	1990-2015 年神经疾病的全球、地区、国家负担	GLOBAL, REGIONAL, AND NATIONAL BURDEN OF NEUROLOGICAL DISORDERS DURING 1990-2015: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2015	FEIGIN, VL ADDIS ABABA UNIV	LANCET NEUROL 16 (11): 877-897 NOV 2017 <a href="https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(17)30299-5/fulltext">https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(17)30299-5/fulltext</a>	55
34	成人阻塞性睡眠呼吸暂停临床实践指导方针	CLINICAL PRACTICE GUIDELINE FOR DIAGNOSTIC TESTING FOR ADULT OBSTRUCTIVE SLEEP APNEA: AN AMERICAN ACADEMY OF SLEEP MEDICINE CLINICAL PRACTICE GUIDELINE	KAPUR, VK NA-AMER ACAD SLEEP MED	J CLIN SLEEP MED 13 (3): 479-504 2017 <a href="https://aasm.org/resources/clinicalguidelines/diagnostic-testing-osa.pdf">https://aasm.org/resources/clinicalguidelines/diagnostic-testing-osa.pdf</a>	51

35	小胶质细胞 (Microglia)	A NEW FATE MAPPING SYSTEM REVEALS CONTEXT- DEPENDENT RANDOM OR CLONAL EXPANSION OF MICROGLIA	TAY, TL BIH	NAT NEUROSCI 20 (6): 793-+ JUN 2017 <a href="https://www.nature.com/articles/nm.4547">https://www.nature.com/articles/nm.4547</a>	48
36	2017 版多发性硬化症诊断的 McDonald 标准	DIAGNOSIS OF MULTIPLE SCLEROSIS: 2017 REVISIONS OF THE MCDONALD CRITERIA	THOMPSON, AJ CHILDRENS HOSP PHILADELPHIA	LANCET NEUROL 17 (2): 162-173 FEB 2018 <a href="https://www.sciencedirect.com/science/article/pii/S1474442217304702">https://www.sciencedirect.com/science/article/pii/S1474442217304702</a>	46
37	执行功能	UNITY AND DIVERSITY OF EXECUTIVE FUNCTIONS: INDIVIDUAL DIFFERENCES AS A WINDOW ON COGNITIVE STRUCTURE	FRIEDMAN, NP UNIVERSITY OF COLORADO BOULDER, UNIVERSITY OF COLORADO SYSTEM	CORTEX 86: 186-204 JAN 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0010945216301071">https://www.sciencedirect.com/science/article/pii/S0010945216301071</a>	46
38	阿尔茨海默症中脑血流量调节 与神经血管功能障碍	CEREBRAL BLOOD FLOW REGULATION AND	KISLER, K ZILKHA NEUROGENET INST	NAT REV NEUROSCI 18 (7): 419- 434 JUL 2017	46



		NEUROVASCULAR DYSFUNCTION IN ALZHEIMER DISEASE		<a href="https://www.nature.com/articles/nrn.2017.48">https://www.nature.com/articles/nrn.2017.48</a>	
39	经颅磁刺激激活“遗忘”记忆	Reactivation of latent working memories with transcranial magnetic stimulation	ROSE, NS UNIV LIEGE	SCIENCE 354 (6316): 1136-1139 DEC 2 2016 <a href="http://science.sciencemag.org/content/354/6316/1136">http://science.sciencemag.org/content/354/6316/1136</a>	45
40	环状 RNA (circRNA)、微小核 苷酸 (miRNA) 与脑功能	LOSS OF A MAMMALIAN CIRCULAR RNA LOCUS CAUSES MIRNA Deregulation AND AFFECTS BRAIN FUNCTION	PIWECKA, M BERLIN INST HLTH	SCIENCE 357 (6357): 1254-+ SEP 22 2017 <a href="http://science.sciencemag.org/content/early/2017/08/09/science.aam8526.full">http://science.sciencemag.org/content/early/2017/08/09/science.aam8526.full</a>	43
41	综述: 帕金森氏病的非运动型 特征	NON-MOTOR FEATURES OF PARKINSON DISEASE	SCHAPIRA, AHV KINGS COLL HOSP	NAT REV NEUROSCI 18 (7): 435-+ JUL 2017	43

				<a href="https://www.nature.com/articles/nrn.2017.62">https://www.nature.com/articles/nrn.2017.62</a>	
42	全基因组多基因评分 (Genome-wide polygenic scores)	PHENOME-WIDE ANALYSIS OF GENOME-WIDE POLYGENIC SCORES	KRAPOHL, E UNIVERSITY OF LONDON	MOL PSYCHIATR 21 (9): 1188-1193 SEP 2016 <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4767701/">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4767701/</a>	41
43	源自诱导多能干细胞 (iPSCs) 的人小神经胶质细胞样细胞	IPSC-DERIVED HUMAN MICROGLIA-LIKE CELLS TO STUDY NEUROLOGICAL DISEASES	ABUD, EM MCGILL UNIVERSITY	NEURON 94 (2): 278-+ APR 19 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0896627317302866">https://www.sciencedirect.com/science/article/pii/S0896627317302866</a>	41
44	丘脑与工作记忆	THALAMIC PROJECTIONS SUSTAIN PREFRONTAL ACTIVITY DURING WORKING MEMORY MAINTENANCE	BOLKAN, SS CNRS	NAT NEUROSCI 20 (7): 987-+ JUL 2017 <a href="https://www.nature.com/articles/nn.4568">https://www.nature.com/articles/nn.4568</a>	41

45	肌萎缩性脊髓侧索硬化症与额颞叶型痴呆	TIA1 MUTATIONS IN AMYOTROPHIC LATERAL SCLEROSIS AND FRONTOTEMPORAL DEMENTIA PROMOTE PHASE SEPARATION AND ALTER STRESS GRANULE DYNAMICS	MACKENZIE, IR DREXEL UNIV	NEURON 95 (4): 808-+ AUG 16 2017 <a href="https://www.cell.com/neuron/fulltext/S0896-6273(17)30647-5">https://www.cell.com/neuron/fulltext/S0896-6273(17)30647-5</a>	40
46	ApoE4 与 tau 蛋白介导的神经退行性病变	APOE4 MARKEDLY EXACERBATES TAU-MEDIATED NEURODEGENERATION IN A MOUSE MODEL OF TAUOPATHY	SHI, Y ASTRAZENECA	NATURE 549 (7673): 523-+ SEP 28 2017 <a href="https://www.ncbi.nlm.nih.gov/pubmed/28959956/">https://www.ncbi.nlm.nih.gov/pubmed/28959956/</a>	39
47	综述: 蛋白质内稳态与神经退行性病变	ER STRESS AND THE UNFOLDED PROTEIN RESPONSE IN NEURODEGENERATION	HETZ, C GEROSCI CTR BRAIN HLTH & METAB	NAT REV NEUROL 13 (8): 477-491 AUG 2017 <a href="https://www.nature.com/articles/nrneuro.2017.99">https://www.nature.com/articles/nrneuro.2017.99</a>	38

48	海马神经元发生在发育早期后 急剧下降	HUMAN HIPPOCAMPAL NEUROGENESIS DROPS SHARPLY IN CHILDREN TO UNDETECTABLE LEVELS IN ADULTS	SORRELLS, SF CIBERNED	NATURE 555 (7696): 377-+ MAR 15 2018 <a href="http://iobs.fudan.edu.cn/Assets/userfiles/sys_eb538c1c-65ff-4e82-8e6a-a1ef01127fed/files/%E6%9C%80%E6%96%B0%E8%AE%BA%E6%96%87/Human%20hippocampal%20neurogenesis%20drops%20sharply%20in%20children%20to%20undetectable%20levels%20in%20adults.pdf">http://iobs.fudan.edu.cn/Assets/userfiles/sys_eb538c1c-65ff-4e82-8e6a-a1ef01127fed/files/%E6%9C%80%E6%96%B0%E8%AE%BA%E6%96%87/Human%20hippocampal%20neurogenesis%20drops%20sharply%20in%20children%20to%20undetectable%20levels%20in%20adults.pdf</a>	38
49	预先医疗计划 (advance care planning, ACP), 即提前制定 医疗计划, 以便在自己不能作 或说自己的决定时使用	DEFINING ADVANCE CARE PLANNING FOR ADULTS: A CONSENSUS DEFINITION FROM A MULTIDISCIPLINARY DELPHI PANEL	SUDORE, RL NA-COALIT COMPASSIONATE CARE CALIF	J PAIN SYMPTOM MANAGE 53 (5): 821-+ MAY 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0885392416312325">https://www.sciencedirect.com/science/article/pii/S0885392416312325</a>	38

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51	肠道微生物组与人类神经系统疾病	THE GUT MICROBIOME IN HUMAN NEUROLOGICAL DISEASE: A REVIEW	TREMLETT, H UNIVERSITY OF BRITISH COLUMBIA	ANN NEUROL 81 (3): 369-382 MAR 2017 <a href="https://onlinelibrary.wiley.com/doi/full/10.1002/ana.24901">https://onlinelibrary.wiley.com/doi/full/10.1002/ana.24901</a>	34
52	酒精依赖的药物治疗	EFFICACY AND SAFETY OF HIGH-DOSE BACLOFEN FOR THE TREATMENT OF ALCOHOL DEPENDENCE: A MULTICENTRE, RANDOMISED, DOUBLE-BLIND CONTROLLED TRIAL	BERAHA, EM, RW ACADEMIC MEDICAL CENTER AMSTERDAM, UNIVERSITY OF AMSTERDAM	EUR NEUROPSYCHOPHARMACOL 26 (12): 1950-1959 DEC 2016 <a href="https://www.sciencedirect.com/science/article/pii/S0924977X1631968X">https://www.sciencedirect.com/science/article/pii/S0924977X1631968X</a>	34
53	CBTRUS 统计报告: 2010-2014	CBTRUS STATISTICAL REPORT:	OSTROM, QT	NEURO-ONCOLOGY 19: V1-V88	33

	美国确诊的原发性脑及中枢神经系统肿瘤	PRIMARY BRAIN AND OTHER CENTRAL NERVOUS SYSTEM TUMORS DIAGNOSED IN THE UNITED STATES IN 2010-2014	BOSTON UNIVERSITY	SUPPL. 5 OCT 2017 <a href="https://academic.oup.com/neuro-oncology/article/19/suppl_5/v1/4596">https://academic.oup.com/neuro-oncology/article/19/suppl_5/v1/4596</a> 648	
54	微生物-肠-脑轴	TARGETING THE MICROBIOTA-GUT-BRAIN AXIS: PREBIOTICS HAVE ANXIOLYTIC AND ANTIDEPRESSANT-LIKE EFFECTS AND REVERSE THE IMPACT OF CHRONIC STRESS IN MICE	BUROKAS, A TEAGASC	BIOL PSYCHIAT 82 (7): 472-487 OCT 1 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0006322317300422">https://www.sciencedirect.com/science/article/pii/S0006322317300422</a>	33
55	人、鼠诱导多能干细胞分化成小胶质细胞样细胞	Differentiation of human and murine induced pluripotent stem cells to microglia-like cells	PANDYA, H NATL HUMAN GENOME RES INST (NHGRI)	NAT NEUROSCI 20 (5): 753-+ MAY 2017 <a href="https://www.nature.com/articles/nn.4534">https://www.nature.com/articles/nn.4534</a> 534	33

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57	海马神经发生与认知弹性 (Cognitive flexibility)	ADULT HIPPOCAMPAL NEUROGENESIS AND COGNITIVE FLEXIBILITY - LINKING MEMORY AND MOOD	ANACKER, C COLUMBIA UNIVERSITY	NAT REV NEUROSCI 18 (6): 335-346 JUN 2017 <a href="https://www.nature.com/articles/nrn.2017.45">https://www.nature.com/articles/nrn.2017.45</a>	32
58	大尺度脑网络	DYNAMIC MODELS OF LARGE-SCALE BRAIN ACTIVITY	BREAKSPEAR, M QIMR BERGHOFFER MEDICAL RESEARCH INSTITUTE;	NAT NEUROSCI 20 (3): 340-352 MAR 2017 <a href="https://www.nature.com/articles/nn.4497">https://www.nature.com/articles/nn.4497</a>	32
59	神经血管单元 (Neurovascular unit) 与神经系统退行性疾病	THE NEUROVASCULAR UNIT COMING OF AGE: A JOURNEY	IADECOLA, C CORNELL UNIVERSITY	NEURON 96 (1): 17-42 SEP 27 2017 <a href="https://www.sciencedirect.com/science">https://www.sciencedirect.com/science</a>	31

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60	可同时记录上百个神经元电活动的新型硅探头	FULLY INTEGRATED SILICON PROBES FOR HIGH-DENSITY RECORDING OF NEURAL ACTIVITY	JUN, JJ ALLEN INST BRAIN SCI	NATURE 551 (7679): 232-+ NOV 9 2017 <a href="https://www.nature.com/articles/nature24636">https://www.nature.com/articles/nature24636</a>	31
61	大脑中的钆（Gadolinium）沉积	GADOLINIUM DEPOSITION IN THE BRAIN: SUMMARY OF EVIDENCE AND RECOMMENDATIONS	GULANI, V CASE WESTERN RESERVE UNIVERSITY	LANCET NEUROL 16 (7): 564-570 JUL 2017 <a href="https://www.sciencedirect.com/science/article/pii/S1474442217301588">https://www.sciencedirect.com/science/article/pii/S1474442217301588</a>	30
62	综述：情景记忆中前额叶与海马的交互作用	PREFRONTAL-HIPPOCAMPAL INTERACTIONS IN EPISODIC MEMORY	EICHENBAUM, H BOSTON UNIV	NAT REV NEUROSCI 18 (9): 547- 558 SEP 2017 <a href="https://www.nature.com/articles/nrn.2017.74">https://www.nature.com/articles/nrn.2017.74</a>	28



63	近场无线光电子植入与光遗传学	FLEXIBLE NEAR-FIELD WIRELESS OPTOELECTRONICS AS SUBDERMAL IMPLANTS FOR BROAD APPLICATIONS IN OPTOGENETICS	SHIN, G BEIHANG UNIVERSITY	NEURON 93 (3): 509-+ FEB 8 2017 <a href="https://www.sciencedirect.com/science/article/pii/S0896627316310042">https://www.sciencedirect.com/science/article/pii/S0896627316310042</a>	28
64	深部脑刺激与帕金森氏病	CONNECTIVITY PREDICTS DEEP BRAIN STIMULATION OUTCOME IN PARKINSON DISEASE	HORN, A VA BOSTON HEALTHCARE SYSTEM	ANN NEUROL 82 (1): 67-78 JUL 2017 <a href="http://www.tmslab.org/publications/724.pdf">http://www.tmslab.org/publications/724.pdf</a>	27
65	小世界网络( Small-world network)	SMALL-WORLD BRAIN NETWORKS REVISITED	BASSETT, DS GLAXOSMITHKLINE	NEUROSCIENTIST 23 (5): 499-516 OCT 2017 <a href="https://journals.sagepub.com/doi/10.1177/1073858416667720">https://journals.sagepub.com/doi/10.1177/1073858416667720</a>	26
66	基于 DNA 甲基化对中枢神经系	DNA METHYLATION-BASED	CAPPER, D	NATURE 555 (7697): 469-+ MAR	22

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67	更新美国神经病学学会 (American Academy of Neurology)轻度认知障碍指导方针 (2001 版)	PRACTICE GUIDELINE UPDATE SUMMARY: MILD COGNITIVE IMPAIRMENT: REPORT OF THE GUIDELINE DEVELOPMENT, DISSEMINATION, AND IMPLEMENTATION SUBCOMMITTEE OF THE AMERICAN ACADEMY OF NEUROLOGY	PETERSEN, RC NA-CHARLESTON AREA MED CTR	NEUROLOGY 90 (3): 126-135 JAN 16 2018 <a href="http://n.neurology.org/content/90/3/126">http://n.neurology.org/content/90/3/126</a>	19
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69	瞬时受体电位 M8 (TRPM8) 阳离子通道	STRUCTURE OF THE COLD- AND MENTHOL-SENSING ION CHANNEL TRPM8	YIN, Y DUKE UNIVERSITY	SCIENCE 359 (6372): 237-241 JAN 12 2018 <a href="http://science.sciencemag.org/content/early/2017/12/06/science.aan4325.full">http://science.sciencemag.org/content/early/2017/12/06/science.aan4325.full</a> <u>ii</u>	17
70	神经精神药理学中的治疗药物 监测 (Therapeutic drug monitoring)	CONSENSUS GUIDELINES FOR THERAPEUTIC DRUG MONITORING IN NEUROPSYCHOPHARMACOLOGY: UPDATE 2017	HIEMKE, C NA-ARISTO PHARMA GMBH	PHARMACOPSYCHIATRY 51 (1- 2): 9-+ JAN 2018 <a href="https://www.thieme-connect.com/products/ejournals/pdf/10.1055/s-0043-116492.pdf">https://www.thieme-connect.com/products/ejournals/pdf/10.1055/s-0043-116492.pdf</a>	17
71	人脑单细胞基因表达图谱	SPATIOTEMPORAL GENE EXPRESSION TRAJECTORIES REVEAL DEVELOPMENTAL HIERARCHIES OF THE HUMAN	NOWAKOWSKI, TJ NA-FLUIDIGM	SCIENCE 358 (6368): 1318-1323 DEC 8 2017 <a href="http://science.sciencemag.org/content/358/6368/1318.full">http://science.sciencemag.org/content/358/6368/1318.full</a>	16

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72	2018 版美国国家老龄化研究所和阿尔茨海默病学会 (National Institute on Aging—Alzheimer’s Association, NIA-AA) 研究框架	NIA-AA RESEARCH FRAMEWORK: TOWARD A BIOLOGICAL DEFINITION OF ALZHEIMERS DISEASE	JACK, CR ALZHEIMER&APOS;S ASSOCIATION	ALZHEIMERS DEMENT 14 (4): 535-562 APR 2018 <a href="https://www.sciencedirect.com/science/article/pii/S1552526018300724">https://www.sciencedirect.com/science/article/pii/S1552526018300724</a>	16
73	单细胞 RNA 测序揭示暴露于光线后小鼠视觉皮层细胞的转录变化	SINGLE-CELL ANALYSIS OF EXPERIENCE-DEPENDENT TRANSCRIPTOMIC STATES IN THE MOUSE VISUAL CORTEX	HRVATIN, S HARVARD UNIVERSITY	NAT NEUROSCI 21 (1): 120-+ JAN 2018 <a href="https://www.nature.com/articles/s41593-017-0029-5">https://www.nature.com/articles/s41593-017-0029-5</a>	15
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77	深度学习与卷积神经网络	DEEP LEARNING WITH CONVOLUTIONAL NEURAL NETWORKS FOR EEG DECODING AND VISUALIZATION	SCHIRRMESTER, RT UNIVERSITY OF FREIBURG	HUM BRAIN MAPP 38 (11): 5391- 5420 NOV 2017 <a href="https://onlinelibrary.wiley.com/doi/full/10.1002/hbm.23730">https://onlinelibrary.wiley.com/doi/full/10.1002/hbm.23730</a>	12
78	微导管与极化转运	DIFFERENTIATION BETWEEN OPPOSITELY ORIENTED MICROTUBULES CONTROLS	TAS, RP UTRECHT UNIVERSITY	NEURON 96 (6): 1264-+ DEC 20 2017 <a href="https://www.sciencedirect.com/science">https://www.sciencedirect.com/science</a>	11

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79	多巴胺能神经元与帕金森氏病	DOPAMINE NEURON ACTIVITY BEFORE ACTION INITIATION GATES AND INVIGORATES FUTURE MOVEMENTS	DA SILVA, JA COLUMBIA UNIVERSITY	NATURE 554 (7691): 244-+ FEB 8 2018 <a href="https://www.nature.com/articles/nature25457">https://www.nature.com/articles/nature25457</a>	10
80	胚胎神经干细胞自我更新	N-6-METHYLADENOSINE RNA MODIFICATION REGULATES EMBRYONIC NEURAL STEM CELL SELF-RENEWAL THROUGH HISTONE MODIFICATIONS	WANG, Y CINCINNATI CHILDREN&APOS;S HOSPITAL MEDICAL CENTER	NAT NEUROSCI 21 (2): 195-+ FEB 2018 <a href="https://www.nature.com/articles/s41593-017-0057-1">https://www.nature.com/articles/s41593-017-0057-1</a>	10
81	自体人 Schwann 细胞移植治疗 亚急性胸椎脊髓损伤	SAFETY OF AUTOLOGOUS HUMAN SCHWANN CELL TRANSPLANTATION IN SUBACUTE THORACIC SPINAL	ANDERSON, KD BRUCE W CARTER DEPT VET AFFAIRS MED CTR	J NEUROTRAUMA 34 (21): 2950- 2963 NOV 1 2017 <a href="https://www.liebertpub.com/doi/pdf/10.1089/neu.2016.4895">https://www.liebertpub.com/doi/pdf/10.1089/neu.2016.4895</a>	10

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82	REM 睡眠期行为障碍 (REM sleep behavior disorder) 与神经退行	IDIOPATHIC REM SLEEP BEHAVIOUR DISORDER AND NEURODEGENERATION - AN UPDATE	HOGL, B	NAT REV NEUROL 14 (1): 40-55 JAN 2018 <a href="https://www.nature.com/articles/nrneuro.2017.157">https://www.nature.com/articles/nrneuro.2017.157</a>	10
83	多发性硬化症的药物治疗	ECTRIMS/EAN GUIDELINE ON THE PHARMACOLOGICAL TREATMENT OF PEOPLE WITH MULTIPLE SCLEROSIS	MONTALBAN, X CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)	EUR J NEUROLOGY 25 (2): 215-237 FEB 2018 <a href="https://www.uems-neuroboard.org/web/images/docs/exam/Pharmacological-treatment-of-MS.pdf">https://www.uems-neuroboard.org/web/images/docs/exam/Pharmacological-treatment-of-MS.pdf</a>	10
84	生酮饮食 (ketogenic diet) 与神经系统疾病	NEUROKETOTHERAPEUTICS: A MODERN REVIEW OF A CENTURY-OLD THERAPY	KOPPEL, SJ UNIVERSITY OF KANSAS	NEUROCHEM INT 117: 114-125 SP. ISS. SI JUL 2018 <a href="https://www.sciencedirect.com/science/article/pii/S0197018617302279">https://www.sciencedirect.com/science/article/pii/S0197018617302279</a>	9

85	SPLit-seq: 利用成本低廉的 DNA 组合条形码, 能够以约 1 美分的成本对单个细胞进行转录组测序	SINGLE-CELL PROFILING OF THE DEVELOPING MOUSE BRAIN AND SPINAL CORD WITH SPLIT-POOL BARCODING	ROSENBERG, AB ALLEN INSTITUTE FOR BRAIN SCIENCE	SCIENCE 360 (6385): 176-+ APR 13 2018 <a href="http://science.sciencemag.org/content/360/6385/176.full">http://science.sciencemag.org/content/360/6385/176.full</a>	9
86	基于诱导多能干细胞 (induced pluripotent stem cells, iPSCs) 的神经网络	A SIMPLIFIED PROTOCOL FOR DIFFERENTIATION OF ELECTROPHYSIOLOGICALLY MATURE NEURONAL NETWORKS FROM HUMAN INDUCED PLURIPOTENT STEM CELLS	GUNHANLAR, N AIX-MARSEILLE UNIVERSITE	MOL PSYCHIATR 23 (5): 1336-1344 MAY 2018 <a href="https://core.ac.uk/download/pdf/154413514.pdf">https://core.ac.uk/download/pdf/154413514.pdf</a>	7
87	自闭症谱系障碍	AUTISM SPECTRUM DISORDERS AND AUTISTIC TRAITS SHARE GENETICS AND BIOLOGY	BRALTEN, J RADBOD UNIVERSITY NIJMEGEN	MOL PSYCHIATR 23 (5): 1205-1212 MAY 2018 <a href="https://www.researchgate.net/publication/317758939_Autism_spectrum_di">https://www.researchgate.net/publication/317758939_Autism_spectrum_di</a>	7



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88	肌萎缩性脊髓侧索硬化症	MULTICENTER EVALUATION OF NEUROFILAMENTS IN EARLY SYMPTOM ONSET AMYOTROPHIC LATERAL SCLEROSIS	FENEBERG, E, ASSISTANCE PUBLIQUE HOPITAUX PARIS (APHP)	NEUROLOGY 90 (1): E22-E30 JAN 2 2018 <a href="http://n.neurology.org/content/early/2017/12/06/WNL.0000000000004761">http://n.neurology.org/content/early/2017/12/06/WNL.0000000000004761</a>	7
89	自闭症谱系障碍	DENDRITIC SPINE ACTIN CYTOSKELETON IN AUTISM SPECTRUM DISORDER	JOENSUU, M MINERVA FDN	PROG NEURO-PSYCH BIOL PSYCH 84: 362-381 PART B SP. ISS. SI JUN 8 2018 <a href="https://www.sciencedirect.com/science/article/pii/S0278584617304141">https://www.sciencedirect.com/science/article/pii/S0278584617304141</a>	6
90	利用果蝇模型研究神经系统疾病的遗传机制	GENETIC STRATEGIES TO TACKLE NEUROLOGICAL DISEASES IN FRUIT FLIES	SENTURK, M BAYLOR COLLEGE OF MEDICINE	CURR OPIN NEUROBIOL 50: 24- 32 JUN 2018 <a href="https://www.sciencedirect.com/science">https://www.sciencedirect.com/science</a>	5

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91	小脑浦肯野细胞 (Purkinje cell)	ENCODING OF ERROR AND LEARNING TO CORRECT THAT ERROR BY THE PURKINJE CELLS OF THE CEREBELLUM	HERZFELD, DJ DUKE UNIVERSITY	NAT NEUROSCI 21 (5): 736-+ MAY 2018 <a href="https://www.nature.com/articles/s41593-018-0136-y">https://www.nature.com/articles/s41593-018-0136-y</a>	4
92	单细胞转录组测序	THREE-DIMENSIONAL INTACT-TISSUE SEQUENCING OF SINGLE-CELL TRANSCRIPTIONAL STATES	WANG, X CNRS - NATIONAL INSTITUTE FOR BIOLOGY (INSB)	SCIENCE 361 (6400): 380-+ SP. ISS. SI JUL 27 2018 <a href="http://science.sciencemag.org/content/361/6400/eaat5691.full">http://science.sciencemag.org/content/361/6400/eaat5691.full</a>	4
93	偏头痛	SOLUBLE GUANYLYL CYCLASE IS A CRITICAL REGULATOR OF MIGRAINE-ASSOCIATED PAIN	BEN AISSA, M QUEENS UNIVERSITY - CANADA	CEPHALALGIA 38 (8): 1471-1484 JUL 2018 <a href="https://journals.sagepub.com/doi/abs/10.1177/0333102417737778?journalCode=cepa">https://journals.sagepub.com/doi/abs/10.1177/0333102417737778?journalCode=cepa</a>	4

94	光遗传学技术在记忆研究中的应用	SYSTEMS CONSOLIDATION REVISITED, BUT NOT REVISED: THE PROMISE AND LIMITS OF OPTOGENETICS IN THE STUDY OF MEMORY	HARDT, O MCGILL UNIVERSITY	NEUROSCI LETT 680: 54-59 SP. ISS. SI JUL 27 2018 <a href="https://www.sciencedirect.com/science/article/pii/S0304394017309710">https://www.sciencedirect.com/science/article/pii/S0304394017309710</a>	4
95	海马在预测 PTSD 发生中的角色	THE ROLE OF THE HIPPOCAMPUS IN PREDICTING FUTURE POSTTRAUMATIC STRESS DISORDER SYMPTOMS IN RECENTLY TRAUMATIZED CIVILIANS	VAN ROOIJ, SJH BROWN UNIVERSITY	BIOL PSYCHIAT 84 (2): 106-115 JUL 15 2018 <a href="https://www.sciencedirect.com/science/article/pii/S0006322317319893">https://www.sciencedirect.com/science/article/pii/S0006322317319893</a>	4
96	亚甲蓝 (Methylene blue) 与神经炎症	FROM MITOCHONDRIAL FUNCTION TO NEUROPROTECTION-AN EMERGING ROLE FOR METHYLENE BLUE	TUCKER, D AUGUSTA UNIV	MOL NEUROBIOL 55 (6): 5137-5153 JUN 2018 <a href="https://link.springer.com/content/pdf/10.1007%2Fs12035-017-0712-2.pdf">https://link.springer.com/content/pdf/10.1007%2Fs12035-017-0712-2.pdf</a>	4

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97	弥漫型软脑膜胶质神经元肿瘤 (Diffuse leptomenigeal glioneuronal tumor)	MOLECULARLY DEFINED DIFFUSE LEPTOMENINGEAL GLIONEURONAL TUMOR (DLGNT) COMPRISES TWO SUBGROUPS WITH DISTINCT CLINICAL AND GENETIC FEATURES	DENG, MY CHARITE MEDICAL UNIVERSITY OF BERLIN,FREE UNIVERSITY OF BERLIN,HUMBOLDT UNIVERSITY OF BERLIN	ACTA NEUROPATHOL 136 (2): 239-253 AUG 2018 <a href="https://link.springer.com/article/10.1007/s00401-018-1865-4">https://link.springer.com/article/10.1007/s00401-018-1865-4</a>	4
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