

ESI 中神经科学与行为领域热点论文 信息推送

2021 年 6 月 第 1 期（总第 57 期）

中国科学院文献情报中心

中国科学院心理研究所图书馆

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发布日期：2021 年 6 月 10 日

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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 2021 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 2018 年 8 月至 2020 年 8 月发表的文章中, 在 2020 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 2021 年 1 月 21 日。

本期发布神经科学与行为领域热点文章 117 篇。其中, 新冠疫情相关的文章 29 篇, 首次入榜热点文章 36 篇。单篇最高被引 774 次, 最低被引 8 次。被引 774 次的文章发表在 *JAMA NEUROLOGY* 上, 标题为 “Neurologic manifestations of hospitalized patients with coronavirus disease 2019 in Wuhan, China”, 第一作者为华中科技大学的 MAO, L, 讨论了中国武汉新型冠状病毒住院患者的神经系统表现。

本次榜单中有来自 *LANCET NEUROLOGY* 刊发的系列研究论文, 披露了一系列神经系统疾病在 1990 到 2016 年对全球、区域和国家造成的负担, 涉及有阿尔茨海默症、帕金森、脑卒中、多发性硬化症、创伤性脑损伤等。这一系列论文均入选近期神经科学和行为领域的热点论文。

首次入榜的 36 篇中单篇最高被引 102 次的文章标题为 “Miller Fisher Syndrome And Polyneuritis Cranialis In COVID-19”, 发表在 *NEUROLOGY* 上, 第一作者是西班牙阿斯图里亚斯王子大学医院的 Consuelo Guti' errez-Ortiz, 讨论了 2 名新冠病例的米勒费氏综合症和颅神经炎等问题。

首次入榜文章有:

67: 在 COVID-19 大流行和封锁期间, 精神病患者是否会经历更多的精神症状;

76: COVID-19 相关的中风问题;

78: 西班牙 2020 年 COVID-19 大流行初始阶段的心理健康;

79: SARS-COV-2 是否侵入大脑;

85: COVID-19 的神经系统并发症;

88: COVID-19 的神经学联系;

91: 意大利 COVID-19 禁闭期间睡眠模式、时间感和数字媒体使用的变化;

95: COVID-19 大流行对帕金森氏病和运动障碍的影响;

99: 新冠疫情与精神健康;

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 2021 年 1 月更新的神经科学/行为领域热点论文

注：红色为首次入榜文章或领域；黑色在往期也是热点论文

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	新冠肺炎患者的 神经系统症状	Neurologic manifestations of hospitalized patients with coronavirus disease 2019 in Wuhan, China	MAO, L HUAZHONG UNIV SCI & TECHNOL	JAMA NEUROLOGY 77 (6): 683-690 JUN 2020 https://jamanetwork.com/journals/jamaneurology/fullarticle/2764549	774
2	阿尔茨海默症的 公共卫生影响	2019 Alzheimer's disease facts and figures	GAUGLER, J ALZHEIMER'S ASSOCIATION	ALZHEIMERS & DEMENTIA 15 (3): 321- 387 MAR 2019 https://alz-journals.onlinelibrary.wiley.com/doi/full/10.1016/j.jalz.2019.01.010	378
3	急性缺血性卒中 早期管理指导方 针	Guidelines for the early management of patients with acute ischemic stroke: 2019 update to the 2018 guidelines for the early management of acute ischemic stroke: A guideline for healthcare professionals from	POWERS, WJ UNIV N CAROLINA	STROKE 50 (12): E344-E418 DEC 2019 https://www.ahajournals.org/doi/10.1161/STROKE.0000000000000211	235

		the American heart association/American stroke association			
4	牙龈卟啉单胞菌与阿尔茨海默症	Porphyromonas gingivalis in Alzheimer's disease brains: Evidence for disease causation and treatment with small-molecule inhibitors	DOMINY, SS CORTEXYME INC	SCIENCE ADVANCES 5 (1): - JAN 2019 https://advances.sciencemag.org/content/5/1/eaau3333.full	230
5	1990-2016年间, 阿尔茨海默症和其他痴呆症状的全球、区域和国家负担	Global, regional, and national burden of Alzheimer's disease and other dementias, 1990-2016: A systematic analysis for the global burden of disease study 2016	NICHOLS, E UNIV WASHINGTON	LANCET NEUROLOGY 18 (1): 88-106 JAN 2019 https://www.thelancet.com/pdfs/journals/lanneur/PIIS1474-4422(18)30403-4.pdf	229
6	1990-2016年间, 神经系统疾病的全球、局部和国家负担	Global, regional, and national burden of neurological disorders, 1990-2016: A systematic analysis for the global burden of disease study 2016	FEIGIN, VL AUCKLAND UNIV TECHNOL	LANCET NEUROLOGY 18 (5): 459-480 MAY 2019 https://ntnuopen.ntnu.no/ntnu-xmlui/bitstream/handle/11250/2641488/PIIS147444221830499X.pdf?sequence=1	223
7	1990-2016年	Global, regional, and national burden of	DORSEY, ER	LANCET NEUROLOGY 17 (11): 939-953	222

	间, 帕金森氏病的全球负担	Parkinsons disease, 1990-2016: A systematic analysis for the global burden of disease study 2016	UNIV ROCHESTER	NOV 2018 https://www.sciencedirect.com/science/article/pii/S1474442218302953	
8	1990-2016 年间, 卒中的全球负担	Global, regional, and national burden of stroke, 1990-2016: A systematic analysis for the global burden of disease study 2016	JOHNSON, CO UNIV WASHINGTON	LANCET NEUROLOGY 18 (5): 439-458 MAY 2019 https://www.thelancet.com/pdfs/journals/lanneur/PIIS1474-4422(19)30034-1.pdf	215
9	1990-2016 年间, 全球偏头痛和紧张型头痛的疾病负担	Global, regional, and national burden of migraine and tension-type headache, 1990-2016: A systematic analysis for the global burden of disease study 2016	STOVNER, LJ NORWEGIAN UNIV SCI & TECHNOL	LANCET NEUROLOGY 17 (11): 954-976 NOV 2018 https://pubmed.ncbi.nlm.nih.gov/30353868/	191
10	小鼠新皮层的细胞类型	Shared and distinct transcriptomic cell types across neocortical areas	TASIC, B ALLEN INST BRAIN SCI	NATURE 563 (7729): 72-+ NOV 1 2018 https://www.nature.com/articles/s41586-018-0654-5	191
11	新冠病毒对神经系统的影响	Nervous system involvement after infection with COVID-19 and other coronaviruses	WU, YS NANJING MED UNIV	BRAIN BEHAVIOR AND IMMUNITY 87: 18-22 JUL 2020	184

				https://pubmed.ncbi.nlm.nih.gov/32240762/	
12	线粒体自噬抑制阿尔茨海默症的β淀粉样蛋白和tau蛋白病变, 逆转认知功能障碍	Mitophagy inhibits amyloid-beta and tau pathology and reverses cognitive deficits in models of Alzheimer's disease	FANG, EF NIA	NATURE NEUROSCIENCE 22 (3): 401-+ MAR 2019 https://www.nature.com/articles/s41593-018-0332-9	176
13	阿尔茨海默症单细胞转录组学分析	Single-cell analysis of Alzheimer's disease	MATHYS, H MIT	NATURE 570 (7761): 332-+ JUN 20 2019 https://www.nature.com/articles/s41586-019-1195-2	166
14	SLIDE-SEQ: 一种具有高空间分辨率的基因表达模式的测量技术	Slide-seq: A scalable technology for measuring genome-wide expression at high spatial resolution	RODRIGUES, SG MIT	SCIENCE 363 (6434): 1463-+ MAR 29 2019 https://science.sciencemag.org/content/363/6434/1463.full	165
15	抑郁的遗传学研究	Genome-wide meta-analysis of depression identifies 102 independent variants and highlights the importance of the prefrontal	HOWARD, DM UNIV EDINBURGH	NATURE NEUROSCIENCE 22 (3): 343-+ MAR 2019 https://www.nature.com/articles/s41593-	164

		brain regions		018-0326-7	
16	单细胞分辨尺度上小鼠与人脑小胶质细胞的时空异质性。	Spatial and temporal heterogeneity of mouse and human microglia at single-cell resolution	MASUDA, T UNIV FREIBURG	NATURE 566 (7744): 388-392 FEB 21 2019 https://www.nature.com/articles/s41586-019-0924-x	158
17	中国新冠肺炎疫情与一般群体的心理健康水平	A longitudinal study on the mental health of general population during the COVID-19 epidemic in China	WANG, CY HUAIBEI NORMAL UNIV	BRAIN BEHAVIOR AND IMMUNITY 87: 40-48 JUL 2020 https://www.sciencedirect.com/science/article/pii/S0889159120305110	146
18	边缘为主年龄相关 TDP-43 脑病	Limbic-predominant age-related TDP-43 encephalopathy (LATE): Consensus working group report	NELSON, PT UNIV KENTUCKY	BRAIN 142: 1503-1527 PART 6 JUN 2019 https://www.repository.cam.ac.uk/bitstream/handle/1810/290624/awz099.pdf?sequence=4&isAllowed=y	144
19	CBTRUS 统计报告: 2012-2016 年间美国确诊原发性脑及其他中	CBTRUS statistical report: Primary brain and other central nervous system tumors diagnosed in the United States in 2012-2016	OSTROM, QT CENT BRAIN TUMOR REGISTRY US	NEURO-ONCOLOGY 21: V1-V100 SUPPL. 5 OCT 2019 https://pubmed.ncbi.nlm.nih.gov/31675094/	137

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20	国际疾病国际分类 (ICD-11) 中慢性疼痛的 IASP 分类	Chronic pain as a symptom or a disease: The IASP classification of chronic pain for the international classification of diseases (ICD-11)	TREEDE, RD HEIDELBERG UNIV	PAIN 160 (1): 19-27 JAN 2019 https://pubmed.ncbi.nlm.nih.gov/30586067/	136
21	胶质-巴通路与神经系统疾病	The glymphatic pathway in neurological disorders	RASMUSSEN, MK UNIV COPENHAGEN	LANCET NEUROLOGY 17 (11): 1016-1024 NOV 2018 https://www.sciencedirect.com/science/article/pii/S1474442218303181	133
22	病理性 α -syn 蛋白的跨神经增殖: 从肠道到大脑塑造帕金森	Transneuronal propagation of pathologic alpha-synuclein from the gut to the brain models Parkinson's disease	KIM, S JOHNS HOPKINS UNIV	NEURON 103 (4): 627-+ AUG 21 2019 https://pubmed.ncbi.nlm.nih.gov/31255487/	132
23	美国多发性硬化症的患病率统计	The prevalence of MS in the United States a population-based estimate using health claims data	WALLIN, MT MULTIPLE SCLEROSIS CTR EXCELLENCE	NEUROLOGY 92 (10): E1029-E1040 MAR 5 2019 https://n.neurology.org/content/92/10/e1029	127
24	小脑与认知	The cerebellum and cognition	SCHMAHMANN, JD	NEUROSCIENCE LETTERS 688: 62-75	119

			MASSACHUSETTS GEN HOSP	SP. ISS. SI JAN 1 2019 https://www.sciencedirect.com/science/article/pii/S0304394018304671	
25	慢性创伤性脑部 病变	Novel tau filament fold in chronic traumatic encephalopathy encloses hydrophobic molecules	FALCON, B MRC LAB MOL BIOL	NATURE 568 (7752): 420-+ APR 18 2019 https://pubmed.ncbi.nlm.nih.gov/30894745/	118
26	综述: 生活方式 干预与认知受 损、痴呆、阿尔 茨海默症	Lifestyle interventions to prevent cognitive impairment, dementia and Alzheimer disease	KIVIPELTO, M NATL INST HLTH & WELF THL	NATURE REVIEWS NEUROLOGY 14 (11): 653-666 NOV 2018 https://www.nature.com/articles/s41582-018-0070-3	116
27	使用单核 RNA 测序分析颞中回 细胞类型	Conserved cell types with divergent features in human versus mouse cortex	HODGE, RD ALLEN INST BRAIN SCI	NATURE 573 (7772): 61-+ SEP 5 2019 https://www.nature.com/articles/s41586-019-1506-7	113
28	新冠肺炎疫情与 医务人员和一般 公众的替代性创 伤水平	Vicarious traumatization in the general public, members, and non-members of medical teams aiding in COVID-19 control	LI, ZY NANJING MED UNIV	BRAIN BEHAVIOR AND IMMUNITY 88: 916-919 AUG 2020 https://pubmed.ncbi.nlm.nih.gov/32169498/	112

29	1990-2016 年间, 创伤性脑损伤和脊髓损伤的全球、区域、国家负担	Global, regional, and national burden of traumatic brain injury and spinal cord injury, 1990-2016: A systematic analysis for the global burden of disease study 2016	JAMES, SL UNIV WASHINGTON	LANCET NEUROLOGY 18 (1): 56-87 JAN 2019 https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(18)30415-0/fulltext	110
30	1990-2016 年间, 多发性硬化症的全球、区域、国家负担	Global, regional, and national burden of multiple sclerosis 1990-2016: A systematic analysis for the global burden of disease study 2016	WALLIN, MT GEORGE WASHINGTON UNIV	LANCET NEUROLOGY 18 (3): 269-285 MAR 2019 https://www.thelancet.com/journals/laneur/article/PIIS1474-4422(18)30443-5/fulltext	110
31	健康老龄化的认知神经科学	Maintenance, reserve and compensation: The cognitive neuroscience of healthy ageing	CABEZA, R DUKE UNIV	NATURE REVIEWS NEUROSCIENCE 19 (11): 701-710 NOV 2018 https://pubmed.ncbi.nlm.nih.gov/30305711/	110
32	下丘脑视网膜前区的分子、空间和功能单细胞剖析	Molecular, spatial, and functional single-cell profiling of the hypothalamic preoptic region	MOFFITT, JR HARVARD UNIV	SCIENCE 362 (6416): 792-+ SP. ISS. SI NOV 16 2018 https://science.sciencemag.org/content/362/6416/eaau5324?ijkey=e0c2b477c50b0e989fcd7fceda5aa53e6f3373f1&keytype2=tf_ipse	109

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33	阿尔茨海默症的血液生物标志物	Blood-based biomarkers for Alzheimer disease: Mapping the road to the clinic	HAMPEL, H AXA RES FUND	NATURE REVIEWS NEUROLOGY 14 (11): 639-652 NOV 2018 https://pubmed.ncbi.nlm.nih.gov/30297701/	104
34	COVID-19 中的米勒费氏综合症和颅神经炎	Miller fisher syndrome and polyneuritis cranialis in COVID-19	GUTIERREZ-ORTIZ, C UNIV HOSP PRINCIPE DE ASTURIAS	NEUROLOGY 95 (5): E601-E605 AUG 4 2020 https://n.neurology.org/content/neurology/95/5/e601.full.pdf	102
35	确定帕金森病的新风险、因果洞察和遗传风险：全基因组关联研究的元分析	Identification of novel risk loci, causal insights, and heritable risk for Parkinson's disease: A meta-analysis of genome-wide association studies	NALLS, MA NIA	LANCET NEUROLOGY 18 (12): 1091-1102 DEC 2019 https://pubmed.ncbi.nlm.nih.gov/31701892/	101
36	衰老与神经退行性疾病	Ageing as a risk factor for neurodegenerative disease	HOU, YJ NIA	NATURE REVIEWS NEUROLOGY 15 (10): 565-581 OCT 2019 https://www.nature.com/articles/s41582-019-0244-7	99

37	多发性硬化症	Multiple sclerosis - a review	DOBSON, R WOLFSON INST PREVENT MED	EUROPEAN JOURNAL OF NEUROLOGY 26 (1): 27-40 JAN 2019 https://pubmed.ncbi.nlm.nih.gov/30300457/	96
38	特发性快速眼动 睡眠行为障碍的 痴呆和帕金森症 的风险和预测因 素	Risk and predictors of dementia and parkinsonism in idiopathic REM sleep behaviour disorder: A multicentre study	POSTUMA, RB MCGILL UNIV	BRAIN 142: 744-759 PART 3 MAR 2019 https://pubmed.ncbi.nlm.nih.gov/30789229/	96
39	新冠肺炎患者的 中枢神经系统症 状	Central nervous system manifestations of COVID-19:A systematic review	ASADI-POOYA, AA SHIRAZ UNIV MED SCI	JOURNAL OF THE NEUROLOGICAL SCIENCES 413: - JUN 15 2020 https://www.sciencedirect.com/science/article/pii/S0022510X20301684	96
40	帕金森病中的 Lewy 病理学由 拥挤的细胞和脂 质膜组成	Lewy pathology in Parkinsons disease consists of crowded organelles and lipid membranes	SHAHMORADIAN, SH UNIV BASEL	NATURE NEUROSCIENCE 22 (7): 1099- + JUL 2019 https://www.nature.com/articles/s41593-019-0423-2	96
41	新冠对格林-巴	Guillain barre syndrome associated with	SEDAGHAT, Z	JOURNAL OF CLINICAL	92

	利综合征的影响	COVID-19 infection: A case report	MAZANDARAN UNIV MED SCI	NEUROSCIENCE 76: 233-235 JUN 2020 https://pubmed.ncbi.nlm.nih.gov/32312628/	
42	定义和调查认知储备, 大脑储备和大脑维护	Whitepaper: Defining and investigating cognitive reserve, brain reserve, and brain maintenance	STERN, Y COLUMBIA UNIV	ALZHEIMERS & DEMENTIA 16 (9): 1305-1311 SEP 2020 https://www.sciencedirect.com/science/article/pii/S1552526018334915	90
43	新冠肺炎疫情期间, 医护人员的身心健康状况	A multinational, multicentre study on the psychological outcomes and associated physical symptoms amongst healthcare workers during COVID-19 outbreak	CHEW, NWS NATL UNIV HLTH SYST	BRAIN BEHAVIOR AND IMMUNITY 88: 559-565 AUG 2020 https://pubmed.ncbi.nlm.nih.gov/32330593/	90
44	小鼠大脑巨噬细胞的单细胞图谱揭示了由本体发育和组织环境形成的独特转录特性	A single-cell atlas of mouse brain macrophages reveals unique transcriptional identities shaped by ontogeny and tissue environment	VAN HOVE, H VIB CTR INFLAMMAT RES	NATURE NEUROSCIENCE 22 (6): 1021-1035 JUN 2019 https://www.nature.com/articles/s41593-019-0393-4	89
45	深脑刺激成像	Lead-DBS v2: Towards a comprehensive	HORN, A	NEUROIMAGE 184: 293-316 JAN 1 2019	86

		pipeline for deep brain stimulation imaging	CHARITE UNIV MED BERLIN	https://pubmed.ncbi.nlm.nih.gov/30179717/	
46	新冠肺炎疫情期间，武汉医务工作者的心理健康状况	Impact on mental health and perceptions of psychological care among medical and nursing staff in Wuhan during the 2019 novel coronavirus disease outbreak: A cross-sectional study	KANG, LJ WUHAN UNIV	BRAIN BEHAVIOR AND IMMUNITY 87: 11-17 JUL 2020 https://pubmed.ncbi.nlm.nih.gov/32240764/	85
47	NLRP3 炎症小体与阿尔茨海默症	NLRP3 inflammasome activation drives tau pathology	ISING, C UNIV HOSP BONN	NATURE 575 (7784): 669-+ NOV 28 2019 https://www.nature.com/articles/s41586-019-1769-z	84
48	偏头痛的临床治疗实践	The American headache society position statement on integrating new migraine treatments into clinical practice	DIGRE, KB AMER HEADACHE SOC	HEADACHE 59 (1): 1-18 JAN 2019 https://headachejournal.onlinelibrary.wiley.com/doi/10.1111/head.13456	80
49	阿尔茨海默症	Senolytic therapy alleviates a beta-associated oligodendrocyte progenitor cell senescence and cognitive deficits in an Alzheimers disease model	ZHANG, PS NIA	NATURE NEUROSCIENCE 22 (5): 719-+ MAY 2019 https://www.nature.com/articles/s41593-019-0372-9	77

50	胶质瘤与神经回路的电和突触整合	Electrical and synaptic integration of glioma into neural circuits	VENKATESH, HS STANFORD UNIV	NATURE 573 (7775): 539+ SEP 26 2019 https://www.nature.com/articles/s41586-019-1563-y	75
51	神经炎性与缺血性卒中	Neuroinflammation: Friend and foe for ischemic stroke	JAYARAJ, RL UNITED ARAB EMIRATES UNIV	JOURNAL OF NEUROINFLAMMATION 16: - JUL 10 2019 https://pubmed.ncbi.nlm.nih.gov/31291966/	75
52	新冠肺炎疫情期间, 医务工作者抑郁、焦虑、失眠等的患病率	Prevalence of depression, anxiety, and insomnia among healthcare workers during the COVID-19 pandemic: A systematic review and meta-analysis	PAPPA, S IMPERIAL COLL LONDON	BRAIN BEHAVIOR AND IMMUNITY 88: 901-907 AUG 2020 https://pubmed.ncbi.nlm.nih.gov/32437915/	74
53	COVID-19 与急性卒中	COVID-19 presenting as stroke	AVULA, A NORTHWELL HLTH STATEN ISL UNIV HOSP	BRAIN BEHAVIOR AND IMMUNITY 87: 115-119 JUL 2020 https://pubmed.ncbi.nlm.nih.gov/32360439/	73
54	脑脊液中的神经丝轻链与神经退行性疾病	Diagnostic value of cerebrospinal fluid neurofilament light protein in neurology: A systematic review and meta-analysis	BRIDEL, C VRIJE UNIV AMSTERDAM MED	JAMA NEUROLOGY 76 (9): 1035-1048 SEP 2019 https://pubmed.ncbi.nlm.nih.gov/31206160/	73

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55	载脂蛋白 E 与阿尔茨海默症	Apolipoproteine and Alzheimer disease: Pathobiology and targeting strategies	YAMAZAKI, Y MAYO CLIN	NATURE REVIEWS NEUROLOGY 15 (9): 501-518 SEP 2019 https://pubmed.ncbi.nlm.nih.gov/31367008/	71
56	小血管疾病	Small vessel disease: Mechanisms and clinical implications	WARDLAW, JM UNIV EDINBURGH	LANCET NEUROLOGY 18 (7): 684-696 JUL 2019 https://www.sciencedirect.com/science/article/pii/S1474442219300791	71
57	美国阿尔茨海默症的疾病负担	2020 Alzheimer's disease facts and figures	[ANONYMOUS]	ALZHEIMERS & DEMENTIA 16 (3): 391-460 MAR 2020 https://alz-journals.onlinelibrary.wiley.com/doi/full/10.1002/alz.12068	69
58	深层脑刺激	Deep brain stimulation: Current challenges and future directions	LOZANO, AM UNIV TORONTO	NATURE REVIEWS NEUROLOGY 15 (3): 148-160 MAR 2019 https://www.nature.com/articles/s41582-018-0128-2	67

59	成瘾行为的人-影响-认知-执行 (I-PACE) 模型的相互作用	The interaction of person-affect-cognition-execution (I-PACE) model for addictive behaviors: Update, generalization to addictive behaviors beyond internet-use disorders, and specification of the process character of addictive behaviors	BRAND, M UNIV DUISBURG ESSEN	NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS 104: 1-10 SEP 2019 https://www.sciencedirect.com/science/article/pii/S0149763419303707?via%3Dihub	67
60	β 淀粉样蛋白、tau 蛋白与阿尔茨海默症临床前期患者认知功能下降	Association of amyloid and tau with cognition in preclinical Alzheimer disease: A longitudinal study	HANSEEUW, BJ MASSACHUSETTS GEN HOSP	JAMA NEUROLOGY 76 (8): 915-924 AUG 2019 https://jamanetwork.com/journals/jamaneurology/fullarticle/2735107	67
61	神经退行性变性病中的 TAU PET 成像	Tau pet imaging in neurodegenerative tauopathies-still a challenge	LEUZY, A KAROLINSKA INST	MOLECULAR PSYCHIATRY 24 (8): 1112-1134 AUG 2019 https://www.nature.com/articles/s41380-018-0342-8	66
62	肌萎缩性侧索硬化症	Molecular mechanisms of TDP-43 misfolding and pathology in amyotrophic	PRASAD, A INDIAN INST	FRONTIERS IN MOLECULAR NEUROSCIENCE 12: - FEB 14 2019	66

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69	用 csf1r 抑制剂持续耗尽小胶质细胞会损害阿尔茨海默病模型的实质斑块发展	Sustained microglial depletion with csf1r inhibitor impairs parenchymal plaque development in an Alzheimers disease model	SPANGENBERG, E UNIV CALIF IRVINE	NATURE COMMUNICATIONS 10: - AUG 21 2019 https://www.nature.com/articles/s41467-019-11674-z	56
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