



神经科学与行为领域 热点论文

02

2023
5月第2期（总70期）



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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2023年3月更新数据

ESI (Essential Science Indicators) 热点论文指近两年内发表的在近两个月内被引次数高居前千分之一的SCI/SSCI文章，即最近两个月内最受关注的文章。

本期入榜文章是2020年10月至2022年10月发表的文章中，在2022年11月和12月两个月内被引次数排名前千分之一的文章。数据更新时间为2023年3月9日。

本期发布神经科学与行为领域热点文章121篇，其中首次入榜文章41篇。单篇最高被引1322次，最低被引4次。“THE 2021 WHO CLASSIFICATION OF TUMORS OF THE CENTRAL NERVOUS SYSTEM: A SUMMARY”在本期热点论文数据中被引频次最高，主要内容为中枢神经系统肿瘤的分类。

首次入榜的41篇中单篇最高被引242次的文章是由伦敦玛丽女王大学John P. Thornhill发表的，论文题目为“MONKEYPOX VIRUS INFECTION IN HUMANS ACROSS 16 COUNTRIES - APRIL-JUNE 2022”，研究表明2022猴痘很可能是由性传播感染的。

首次入榜文章有：

- 45: 脑白质老化导致小胶质细胞多样性;
- 49: 急性缺血性脑卒中的血栓组成及溶栓和取栓的疗效;
- 59: nlrp3炎症小体在鼠脑缺血再灌注损伤中导致炎症反应;
- 66: 诊断和管理偏头痛的十个步骤;
- 78: 头痛的全球患病率: 最新估算患病率影响因素的方法论分析;
- 103: 2022 EHF指南: 应用靶向降钙素基因相关肽通路的单克隆抗体预防偏头痛;
- 105: IL-17穿过血脑屏障诱导神经炎症: 硝酸甘油诱导慢性偏头痛的新机制;
- 114: 全球耳鸣患病率和发病率的系统回顾和元分析;
- 115: 声音通过听觉皮层-丘脑回路缓解疼痛;

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）。

ESI 2023年3月更新的神经科学与行为领域热点论文

序号	文章主题	题目	第一作者及其单位	出处	单篇被引
1	2021年WHO对中枢神经系统肿瘤的分类	THE 2021 WHO CLASSIFICATION OF TUMORS OF THE CENTRAL NERVOUS SYSTEM: A SUMMARY	LOUIS, DN MASSACHUSETTS GEN HOSP	NEURO-ONCOLOGY 23 (8): 1231-1251 AUG 2021	1322
2	反应性星形胶质细胞的命名、定义和未来发展方向	REACTIVE ASTROCYTE NOMENCLATURE, DEFINITIONS, AND FUTURE DIRECTIONS	ESCARTIN, C UNIV PARIS SACLAY	NATURE NEUROSCIENCE 24 (3): 312-325 MAR 2021	465
3	1990-2019年全球、地区和国家卒中负担及其危险因素:2019年全球疾病负担研究的系统分析	GLOBAL, REGIONAL, AND NATIONAL BURDEN OF STROKE AND ITS RISK FACTORS, 1990-2019: A SYSTEMATIC ANALYSIS FOR THE GLOBAL BURDEN OF DISEASE STUDY 2019	FEIGIN, VL AUCKLAND UNIV TECHNOL	LANCET NEUROLOGY 20 (10): 795-820 OCT 2021	425
4	阿尔茨海默症协会发布2021年美国阿尔茨海默症报告	2021 ALZHEIMERS DISEASE FACTS AND FIGURES	[ANONYMOUS]	ALZHEIMERS & DEMENTIA 17 (3): 327-406 MAR 2021	404
5	2021年卒中和短暂性脑缺血发作患者的卒中预防指南:美国心脏协会/美国卒中协会指南	2021 GUIDELINE FOR THE PREVENTION OF STROKE IN PATIENTS WITH STROKE AND TRANSIENT ISCHEMIC ATTACK: A GUIDELINE FROM THE AMERICAN HEART ASSOCIATION/AMERICAN STROKE ASSOCIATION	KLEINDORFER, DO UNIV MICHIGAN	STROKE 52 (7): E364-E467 JUL 2021	330
6	EPSTEIN-BARR病毒 (EBV) 感染增加多发性硬化症 (MS) 风险	LONGITUDINAL ANALYSIS REVEALS HIGH PREVALENCE OF EPSTEIN-BARR VIRUS ASSOCIATED WITH MULTIPLE SCLEROSIS	BJORNEVIK, K HARVARD TH CHAN SCH PUBL HLTH	SCIENCE 375 (6578): 296-+ JAN 21 2022	259
7	英国成年人在新冠封城期间的肥胖、饮食行为和体育活动	OBESITY, EATING BEHAVIOR AND PHYSICAL ACTIVITY DURING COVID-19 LOCKDOWN: A STUDY OF UK ADULTS	ROBINSON, E UNIV LIVERPOOL	APPETITE 156: - JAN 1 2021	251
8	跨16国的“2022猴痘感染”研究	MONKEYPOX VIRUS INFECTION IN HUMANS ACROSS 16 COUNTRIES - APRIL-JUNE 2022	THORNHILL, JP QUEEN MARY UNIV LONDON	LANCET NEUROLOGY 21 (10): 872-872 OCT 2022	242

注：红色字体为首次入榜的热点论文。

ESI中神经科学与行为领域热点分析

序号	文章主题	题目	第一作者及其单位	出处	单篇被引
9	全球精神障碍发病年龄:192项流行病学研究的元分析	AGE AT ONSET OF MENTAL DISORDERS WORLDWIDE: LARGE-SCALE META-ANALYSIS OF 192 EPIDEMIOLOGICAL STUDIES	SOLMI, M UNIV PADUA	MOLECULAR PSYCHIATRY 27 (1): 281-295 JAN 2022	242
10	新冠与大脑结构变化有关(英国生物库)	SARS-COV-2 IS ASSOCIATED WITH CHANGES IN BRAIN STRUCTURE IN UK BIOBANK	DOUAUD, G UNIV OXFORD	NATURE 604 (7907): 697-+ APR 28 2022	241
11	疾病修正疗法对确诊新冠的多发性硬化症患者的效果	DISEASE-MODIFYING THERAPIES AND CORONAVIRUS DISEASE 2019 SEVERITY IN MULTIPLE SCLEROSIS	SORMANI, MP UNIV GENOA	ANNALS OF NEUROLOGY 89 (4): 780-789 APR 2021	227
12	新冠爆发期间的睡眠问题	SLEEP PROBLEMS DURING THE COVID-19 PANDEMIC BY POPULATION: A SYSTEMATIC REVIEW AND META-ANALYSIS	JAHRAMI, H MINIST HLTH	JOURNAL OF CLINICAL SLEEP MEDICINE 17 (2): 299-313 FEB 1 2021	224
13	多发性硬化患者对COVID-19 mRNA疫苗的体液免疫应答	HUMORAL IMMUNE RESPONSE TO COVID-19 MRNA VACCINE IN PATIENTS WITH MULTIPLE SCLEROSIS TREATED WITH HIGH-EFFICACY DISEASE-MODIFYING THERAPIES	ACHIRON, A SHEBA MED CTR	THERAPEUTIC ADVANCES IN NEUROLOGICAL DISORDERS 14: - 2021	189
14	健康被试者和患者人群使用经颅磁刺激的安全性和建议, 以及培训、伦理和监管问题	SAFETY AND RECOMMENDATIONS FOR TMS USE IN HEALTHY SUBJECTS AND PATIENT POPULATIONS, WITH UPDATES ON TRAINING, ETHICAL AND REGULATORY ISSUES: EXPERT GUIDELINES	ROSSI, S UNIV SIENA	CLINICAL NEUROPHYSIOLOGY 132 (1): 269-306 JAN 2021	178
15	非住院新冠病毒长期携带者存在持续的神经症状和认知功能障碍	PERSISTENT NEUROLOGIC SYMPTOMS AND COGNITIVE DYSFUNCTION IN NON-HOSPITALIZED COVID-19 LONG HAULERS	GRAHAM, EL NORTHWESTERN UNIV	ANNALS OF CLINICAL AND TRANSLATIONAL NEUROLOGY 8 (5): 1073-1085 MAY 2021	173
16	新冠爆发期间, 年轻人更容易受到压力、焦虑和抑郁的影响: 一项全球横断面调查	YOUNGER PEOPLE ARE MORE VULNERABLE TO STRESS, ANXIETY AND DEPRESSION DURING COVID-19 PANDEMIC: A GLOBAL CROSS-SECTIONAL SURVEY	VARMA, P MONASH UNIV	PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY 109: - JUL 13 2021	162
17	载脂蛋白E与阿尔茨海默病:遗传学、病理生理学和治疗方法的进展	APOE AND ALZHEIMERS DISEASE: ADVANCES IN GENETICS, PATHOPHYSIOLOGY, AND THERAPEUTIC APPROACHES	SERRANO-POZO, A MASSACHUSETTS GEN HOSP	LANCET NEUROLOGY 20 (1): 68-80 JAN 2021	155
18	对帕金森病肠道微生物群的元分析表明, 肠道微生物群改变与肠道炎症有关	META-ANALYSIS OF THE PARKINSONS DISEASE GUT MICROBIOME SUGGESTS ALTERATIONS LINKED TO INTESTINAL INFLAMMATION	ROMANO, S QUADRAM INST BIOSCI	NPJ PARKINSONS DISEASE 7 (1): - MAR 10 2021	154

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19	概化危机: 随机效应的不规范性	THE GENERALIZABILITY CRISIS	YARKONI, T UNIV TEXAS AUSTIN	BEHAVIORAL AND BRAIN SCIENCES 45: - FEB 10 2022	153
20	全脑关联研究样本量需达数千人才确保结果可靠	REPRODUCIBLE BRAIN-WIDE ASSOCIATION STUDIES REQUIRE THOUSANDS OF INDIVIDUALS	MAREK, S WASHINGTON UNIV	NATURE 603 (7902): 654-+ MAR 24 2022	145
21	LECANEMAB, 一种抗A β 原纤维的抗体的2期临床试验	A RANDOMIZED, DOUBLE-BLIND, PHASE 2B PROOF-OF-CONCEPT CLINICAL TRIAL IN EARLY ALZHEIMERS DISEASE WITH LECANEMAB, AN ANTI-A BETA PROTOFIBRIL ANTIBODY	SWANSON, CJ EISAI INC	ALZHEIMERS RESEARCH & THERAPY 13 (1): - APR 17 2021	143
22	世界多动症联合会国际共识声明:208个关于该障碍的循证结论	THE WORLD FEDERATION OF ADHD INTERNATIONAL CONSENSUS STATEMENT: 208 EVIDENCE-BASED CONCLUSIONS ABOUT THE DISORDER	FARAONE, SV SUNY UPSTATE MED UNIV	NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS 128: 789-818 SEP 2021	141
23	新冠对儿童和青少年心理健康的影响:生物、环境和社会因素	COVID-19 PANDEMIC IMPACT ON CHILDREN AND ADOLESCENTS MENTAL HEALTH: BIOLOGICAL, ENVIRONMENTAL, AND SOCIAL FACTORS	DE FIGUEIREDO, CS FED FLUMINENSE UNIV	PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY 106: - MAR 2 2021	138
24	阿尔茨海默病的临床诊断:国际工作组的建议	CLINICAL DIAGNOSIS OF ALZHEIMERS DISEASE: RECOMMENDATIONS OF THE INTERNATIONAL WORKING GROUP	DUBOIS, B SORBONNE UNIV	LANCET NEUROLOGY 20 (6): 484-496 JUN 2021	130
25	基于结构的TAU病分类	STRUCTURE-BASED CLASSIFICATION OF TAUOPATHIES	SHI, Y MRC LAB MOL BIOL	NATURE 598 (7880): 359-+ OCT 14 2021	130
26	消费者对替代蛋白质的接受程度:豆类、藻类、昆虫、植物性肉类替代品和人工养殖肉类的系统综述	A SYSTEMATIC REVIEW ON CONSUMER ACCEPTANCE OF ALTERNATIVE PROTEINS: PULSES, ALGAE, INSECTS, PLANT-BASED MEAT ALTERNATIVES, AND CULTURED MEAT	ONWEZEN, MC WAGENINGEN ECON RES	APPETITE 159: - APR 1 2021	127

ESI中神经科学与行为领域热点分析

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27	恢复髓样细胞的新陈代谢可以逆转老年认知衰退	RESTORING METABOLISM OF MYELOID CELLS REVERSES COGNITIVE DECLINE IN AGEING	MINHAS, PS STANFORD UNIV	NATURE 590 (7844): 122- + FEB 4 2021	122
28	单细胞分析揭示胶质母细胞瘤中巨噬细胞的竞争和分化	SINGLE-CELL PROFILING OF MYELOID CELLS IN GLIOBLASTOMA ACROSS SPECIES AND DISEASE STAGE REVEALS MACROPHAGE COMPETITION AND SPECIALIZATION	ANTUNES, ARP VIB CTR INFLAMMAT RES	NATURE NEUROSCIENCE 24 (4): 595-610 APR 2021	118
29	乙酰胆碱酯酶抑制剂对治疗阿尔茨海默病的疗效	EFFICACY OF ACETYLCHOLINESTERASE INHIBITORS IN ALZHEIMERS DISEASE	MARUCCI, G UNIV CAMERINO	NEUROPHARMACOLOG Y 190: - JUN 1 2021	118
30	NEUROPIXELS 2.0:一种可稳定长期记录大脑神经元信息的微型化高密度探针	NEUROPIXELS 2.0: A MINIATURIZED HIGH-DENSITY PROBE FOR STABLE, LONG-TERM BRAIN RECORDINGS	STEINMETZ, NA UCL	SCIENCE 372 (6539): 258- + APR 16 2021	116
31	阿尔茨海默病的淀粉样蛋白-β通路	THE AMYLOID-BETA PATHWAY IN ALZHEIMERS DISEASE	HAMPEL, H EISAI INC	MOLECULAR PSYCHIATRY 26 (10): 5481-5503 OCT 2021	96
32	认知中的默认模式网络	THE DEFAULT MODE NETWORK IN COGNITION: A TOPOGRAPHICAL PERSPECTIVE	SMALLWOOD, J QUEENS UNIV	NATURE REVIEWS NEUROSCIENCE 22 (8): 503-513 AUG 2021	96
33	多发性硬化症患者的新冠疫苗接种情况	COVID-19 VACCINATION IN PATIENTS WITH MULTIPLE SCLEROSIS: WHAT WE HAVE LEARNT BY FEBRUARY 2021	ACHIRON, A SHEBA MED CTR	MULTIPLE SCLEROSIS JOURNAL 27 (6): 864-870 MAY 2021	95
34	治疗缺血性卒中的新兴神经保护策略: 临床和临床前研究概述	EMERGING NEUROPROTECTIVE STRATEGIES FOR THE TREATMENT OF ISCHEMIC STROKE: AN OVERVIEW OF CLINICAL AND PRECLINICAL STUDIES	PAUL, S UNIV NEW MEXICO	EXPERIMENTAL NEUROLOGY 335: - JAN 2021	95
35	副肿瘤神经系统综合征的最新诊断标准	UPDATED DIAGNOSTIC CRITERIA FOR PARANEOPLASTIC NEUROLOGIC SYNDROMES	GRAUS, F INST INVEST BIOMED AUGUST PI & SUNYER	NEUROLOGY- NEUROIMMUNOLOGY & NEUROINFLAMMATION 8 (4): - JUL 2021	94

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36	MAGNIMS-CMSC-NAIMS 关于多发性硬化患者使用MRI的共识建议（2021年）	2021 MAGNIMS-CMSC-NAIMS CONSENSUS RECOMMENDATIONS ON THE USE OF MRI IN PATIENTS WITH MULTIPLE SCLEROSIS	WATTJES, MP HANNOVER MED SCH	LANCET NEUROLOGY 20 (8): 653-670 AUG 2021	94
37	细胞铁死亡及其在帕金森病的生理病理学中的潜在作用	FERROPTOSIS AND ITS POTENTIAL ROLE IN THE PHYSIOPATHOLOGY OF PARKINSONS DISEASE	MAHONEY-SANCHEZ, L LILLE UNIV	PROGRESS IN NEUROBIOLOGY 196: - JAN 2021	93
38	新冠后遗症的疲劳和认知障碍:系统综述和元分析	FATIGUE AND COGNITIVE IMPAIRMENT IN POST-COVID-19 SYNDROME: A SYSTEMATIC REVIEW AND META-ANALYSIS	CEBAN, F UNIV HLTH NETWORK	BRAIN BEHAVIOR AND IMMUNITY 101: 93-135 MAR 2022	91
39	美国头痛协会共识声明:将新的偏头痛治疗方法融入临床实践	THE AMERICAN HEADACHE SOCIETY CONSENSUS STATEMENT: UPDATE ON INTEGRATING NEW MIGRAINE TREATMENTS INTO CLINICAL PRACTICE	AILANI, J MEDSTAR GEORGETOWN UNIV HOSP	HEADACHE 61 (7): 1021-1039 JUL 2021	89
40	21世纪包括新冠在内的传染病导致的创伤后应激障碍的流行率	PREVALENCE OF POSTTRAUMATIC STRESS DISORDER AFTER INFECTIOUS DISEASE PANDEMICS IN THE TWENTY-FIRST CENTURY, INCLUDING COVID-19: A META-ANALYSIS AND SYSTEMATIC REVIEW	YUAN, K PEKING UNIV	MOLECULAR PSYCHIATRY 26 (9): 4982-4998 SEP 2021	86
41	电针驱动迷走神经-肾上腺轴的神经解剖学基础	A NEUROANATOMICAL BASIS FOR ELECTROACUPUNCTURE TO DRIVE THE VAGAL-ADRENAL AXIS	LIU, SB DANA FARBER CANC INST	NATURE 598 (7882): 641-+ OCT 28 2021	84
42	饱和脂质诱导星形胶质细胞主动杀死神经元	NEUROTOXIC REACTIVE ASTROCYTES INDUCE CELL DEATH VIA SATURATED LIPIDS	GUTTENPLAN, KA STANFORD UNIV	NATURE 599 (7883): 102-+ NOV 4 2021	84
43	美国临床阿尔茨海默病和轻度认知障碍人群预估(2020-2060年)	POPULATION ESTIMATE OF PEOPLE WITH CLINICAL ALZHEIMERS DISEASE AND MILD COGNITIVE IMPAIRMENT IN THE UNITED STATES (2020-2060)	RAJAN, KB RUSH UNIV	ALZHEIMERS & DEMENTIA 17 (12): 1966-1975 DEC 2021	83
44	阿尔茨海默病的血液生物标志物:走向临床应用	BLOOD-BASED BIOMARKERS FOR ALZHEIMERS DISEASE: TOWARDS CLINICAL IMPLEMENTATION	TEUNISSEN, CE VRIJE UNIV AMSTERDAM	LANCET NEUROLOGY 21 (1): 66-77 JAN 2022	83

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45	脑白质老化导致小胶质细胞多样性	WHITE MATTER AGING DRIVES MICROGLIAL DIVERSITY	SAFAIYAN, S TECH UNIV MUNICH	NEURON 109 (7): - APR 7 2021	82
46	2022年阿尔茨海默病数据	2022 ALZHEIMERS DISEASE FACTS AND FIGURES	GAUGLER, J -	ALZHEIMERS & DEMENTIA 18 (4): 700-789 APR 2022	82
47	功能性的线粒体复合物I的损伤和缺失可诱发帕金森病	DISRUPTION OF MITOCHONDRIAL COMPLEX I INDUCES PROGRESSIVE PARKINSONISM	GONZALEZ-RODRIGUEZ, P NORTHWESTERN UNIV	NATURE 599 (7886): 650-+ NOV 25 2021	82
48	髓鞘少突胶质细胞糖蛋白抗体相关疾病	MYELIN-OLIGODENDROCYTE GLYCOPROTEIN ANTIBODY-ASSOCIATED DISEASE	MARIGNIER, R HOP NEUROL & NEUROCHIRURG P WERTHEIMER	LANCET NEUROLOGY 20 (9): 762-772 SEP 2021	82
49	急性缺血性脑卒中的血栓组成及溶栓和取栓的疗效	THROMBUS COMPOSITION AND EFFICACY OF THROMBOLYSIS AND THROMBECTOMY IN ACUTE ISCHEMIC STROKE	JOLUGBO, P UNIV LEEDS	STROKE 52 (3): 1131-1142 MAR 2021	81
50	新冠患者出院后4个月的认知障碍情况:模式、严重程度及与疾病变量的关联	COGNITIVE IMPAIRMENTS FOUR MONTHS AFTER COVID-19 HOSPITAL DISCHARGE: PATTERN, SEVERITY AND ASSOCIATION WITH ILLNESS VARIABLES	MISKOWIAK, KW UNIV COPENHAGEN	EUROPEAN NEUROPSYCHOPHARMAC OLOGY 46: 39-48 MAY 2021	80
51	帕金森病诊断的挑战	CHALLENGES IN THE DIAGNOSIS OF PARKINSONS DISEASE	TOLOSA, E HOSP CLIN BARCELONA	LANCET NEUROLOGY 20 (5): 385-397 MAY 2021	80
52	淋巴细胞-小胶质细胞-星形胶质细胞轴在慢性多发性硬化症中的作用	A LYMPHOCYTE-MICROGLIA-ASTROCYTE AXIS IN CHRONIC ACTIVE MULTIPLE SCLEROSIS	ABSINTA, M JOHNS HOPKINS UNIV	NATURE 597 (7878): 709- 714 SEP 30 2021	80
53	前额叶皮层在认知控制和执行功能中的作用	THE ROLE OF PREFRONTAL CORTEX IN COGNITIVE CONTROL AND EXECUTIVE FUNCTION	FRIEDMAN, NP UNIV COLORADO	NEUROPSYCHOPHARMAC OLOGY 47 (1): 72-89 JAN 2022	75
54	血浆磷酸化TAU 217和磷酸化TAU 181作为阿尔茨海默病和额颞叶变性的生物标志物	PLASMA PHOSPHORYLATED TAU 217 AND PHOSPHORYLATED TAU 181 AS BIOMARKERS IN ALZHEIMERS DISEASE AND FRONTOTEMPORAL LOBAR DEGENERATION: A RETROSPECTIVE DIAGNOSTIC PERFORMANCE STUDY	THIJSEN, EH UNIV CALIF SAN FRANCISCO	LANCET NEUROLOGY 20 (9): 739-752 SEP 2021	74

注: 红色字体为首次入榜的热点论文。

序号	文章主题	题目	第一作者及其单位	出处	单篇被引
55	综述新冠的精神病和神经精神病后遗症	PSYCHIATRIC AND NEUROPSYCHIATRIC SEQUELAE OF COVID-19-A SYSTEMATIC REVIEW	SCHOU, TM AARHUS UNIV	BRAIN BEHAVIOR AND IMMUNITY 97: 328-348 OCT 2021	72
56	评估2项ADUCANUMAB在治疗早期阿尔茨海默病患者的3期研究中的淀粉样蛋白相关成像异常	AMYLOID-RELATED IMAGING ABNORMALITIES IN 2 PHASE 3 STUDIES EVALUATING ADUCANUMAB IN PATIENTS WITH EARLY ALZHEIMER DISEASE	SALLOWAY, S WARREN ALPERT MEDICAL SCHOOL	JAMA NEUROLOGY 79 (1): 13-21 JAN 2022	71
57	脑膜瘤的诊断和治疗指南	EANO GUIDELINE ON THE DIAGNOSIS AND MANAGEMENT OF MENINGIOMAS	GOLDBRUNNER, R UNIV COLOGNE	NEURO-ONCOLOGY 23 (11): 1821-1834 NOV 2021	70
58	人类、绒猴和小鼠运动皮层的细胞分析比较	COMPARATIVE CELLULAR ANALYSIS OF MOTOR CORTEX IN HUMAN, MARMOSET AND MOUSE	BAKKEN, TE ALLEN INST BRAIN SCI	NATURE 598 (7879): 111-+ OCT 7 2021	70
59	NLRP3炎症小体在小鼠脑缺血再灌注损伤中导致炎症反应	THE NLRP3 INFLAMMASOME DRIVES INFLAMMATION IN ISCHEMIA/REPERFUSION INJURY AFTER TRANSIENT MIDDLE CEREBRAL ARTERY OCCLUSION IN MICE	FRANKE, M UNIV HOSP WURZBURG	BRAIN BEHAVIOR AND IMMUNITY 92: 221-231 FEB 2021	65
60	使用不同疾病修正疗法治的多发性硬化症患者对接种新冠mRNA疫苗的体液和T细胞特异性免疫反应	HUMORAL- AND T-CELL SPECIFIC IMMUNE RESPONSES TO SARS-COV-2 MRNA VACCINATION IN PATIENTS WITH MS USING DIFFERENT DISEASE-MODIFYING THERAPIES	TORTORELLA, C SAN CAMILLO FORLANINI HOSP	NEUROLOGY 98 (5): E541-E554 FEB 1 2022	60
61	人类脑血管图谱揭示阿尔茨海默症风险的多种介导因素	A HUMAN BRAIN VASCULAR ATLAS REVEALS DIVERSE MEDIATORS OF ALZHEIMERS RISK	YANG, AC UNIV CALIF SAN FRANCISCO	NATURE 603 (7903): 885-+ MAR 31 2022	59
62	人脑淀粉样蛋白β42丝的冷冻电镜结构	CRYO-EM STRUCTURES OF AMYLOID-B 42 FILAMENTS FROM HUMAN BRAINS	YANG, Y MRC, LAB MOL BIOL	SCIENCE 375 (6577): 167-+ JAN 14 2022	55
63	母体免疫激活与后代神经发育障碍的关联	MATERNAL IMMUNE ACTIVATION AND NEUROINFLAMMATION IN HUMAN NEURODEVELOPMENTAL DISORDERS	HAN, VX UNIV SYDNEY	NATURE REVIEWS NEUROLOGY 17 (9): 564-579 SEP 2021	54
64	聚焦超声开放血脑屏障治疗帕金森病	BLOOD-BRAIN BARRIER OPENING WITH FOCUSED ULTRASOUND IN PARKINSONS DISEASE DEMENTIA	GASCA-SALAS, C CEU SAN PABLO UNIV	NATURE COMMUNICATIONS 12 (1): - FEB 3 2021	51

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ESI中神经科学与行为领域热点分析

序号	文章主题	题目	第一作者及其单位	出处	单篇被引
65	一项新冠后遗症的中长期神经病学和神经精神病学表现的元分析	MID AND LONG-TERM NEUROLOGICAL AND NEUROPSYCHIATRIC MANIFESTATIONS OF POST-COVID-19 SYNDROME: A META-ANALYSIS	PREMRAJ, L GRIFFITH UNIV	JOURNAL OF THE NEUROLOGICAL SCIENCES 434: - MAR 15 2022	50
66	诊断和管理偏头痛的十个步骤	DIAGNOSIS AND MANAGEMENT OF MIGRAINE IN TEN STEPS	EIGENBRODT, AK UNIV COPENHAGEN	NATURE REVIEWS NEUROLOGY 17 (8): 501-514 AUG 2021	50
67	血清神经丝轻链对多发性硬化症患者疾病活动度的个体预后	SERUM NEUROFILAMENT LIGHT CHAIN FOR INDIVIDUAL PROGNOSTICATION OF DISEASE ACTIVITY IN PEOPLE WITH MULTIPLE SCLEROSIS: A RETROSPECTIVE MODELLING AND VALIDATION STUDY	BENKERT, P UNIV BASEL	LANCET NEUROLOGY 21 (3): 246-257 MAR 2022	48
68	阿尔茨海默病的病理机制及治疗策略	PATHOLOGICAL MECHANISMS AND THERAPEUTIC STRATEGIES FOR ALZHEIMERS DISEASE	JU, YJ UNIV MACAU	NEURAL REGENERATION RESEARCH 17 (3): 543+- MAR 2022	47
69	阿尔茨海默病中TAU蛋白磷酸化的研究进展	A CURRENT VIEW ON TAU PROTEIN PHOSPHORYLATION IN ALZHEIMERS DISEASE	WEGMANN, S GERMAN CTR NEURODEGENERAT DIS	CURRENT OPINION IN NEUROBIOLOGY 69: 131-138 AUG 2021	47
70	美国成年人慢性疼痛的患病率	PREVALENCE OF CHRONIC PAIN AMONG ADULTS IN THE UNITED STATES	YONG, RJ HARVARD UNIV	PAIN 163 (2): E328-E332 FEB 2022	46
71	卒中的全球流行病学和急性缺血性卒中干预措施的获取	GLOBAL EPIDEMIOLOGY OF STROKE AND ACCESS TO ACUTE ISCHEMIC STROKE INTERVENTIONS	SAINI, V JACKSON MEM HOSP	NEUROLOGY 97 (20S): S6-S16 SUPPL. 20 NOV 16 2021	41
72	阿尔茨海默症小鼠模型中错误的自溶酶体酸化诱导神经元中A β 的自噬积聚,产生老年斑	FAULTY AUTOLYSOSOME ACIDIFICATION IN ALZHEIMERS DISEASE MOUSE MODELS INDUCES AUTOPHAGIC BUILD-UP OF A BETA IN NEURONS, YIELDING SENILE PLAQUES	LEE, JH NATHAN S KLINE INST	NATURE NEUROSCIENCE 25 (6): 688+- JUN 2022	40
73	综述长期新冠大流行对心理弹性和心理健康的影响	THE IMPACT OF THE PROLONGED COVID-19 PANDEMIC ON STRESS RESILIENCE AND MENTAL HEALTH: A CRITICAL REVIEW ACROSS WAVES	MANCHIA, M UNIV CAGLIARI	EUROPEAN NEUROPSYCHOPHARMACOLOGY 55: 22-83 FEB 2022	39
74	综述抑郁症的血清素理论	THE SEROTONIN THEORY OF DEPRESSION: A SYSTEMATIC UMBRELLA REVIEW OF THE EVIDENCE	MONCRIEFF, J UCL	MOLECULAR PSYCHIATRY : - JUL 20 2022	38

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序号	文章主题	题目	第一作者及其单位	出处	单篇被引
75	小胶质细胞对突触可塑性和学习记忆的调节	MICROGLIA REGULATION OF SYNAPTIC PLASTICITY AND LEARNING AND MEMORY	CORNELL, J WESTERN UNIV HLTH SCI	NEURAL REGENERATION RESEARCH 17 (4): 705-716 APR 2022	37
76	人类寿命的脑图	BRAIN CHARTS FOR THE HUMAN LIFESPAN	BETHLEHEM, RAI UNIV CAMBRIDGE	NATURE 604 (7906): 525-+ APR 21 2022	36
77	超越T检验和方差分析:在神经科学研究中应用混合效应模型	BEYOND T TEST AND ANOVA: APPLICATIONS OF MIXED-EFFECTS MODELS FOR MORE RIGOROUS STATISTICAL ANALYSIS IN NEUROSCIENCE RESEARCH	YU, ZX UNIV CALIF IRVINE	NEURON 110 (1): 21-35 JAN 5 2022	36
78	头痛的全球患病率:最新估算患病率影响因素的方法论分析	THE GLOBAL PREVALENCE OF HEADACHE: AN UPDATE, WITH ANALYSIS OF THE INFLUENCES OF METHODOLOGICAL FACTORS ON PREVALENCE ESTIMATES	STOVNER, LJ NORWEGIAN UNIV SCI & TECHNOL	JOURNAL OF HEADACHE AND PAIN 23 (1): - DEC 2022	33
79	继进展型多发性硬化症的新见解	SECONDARY PROGRESSIVE MULTIPLE SCLEROSIS NEW INSIGHTS	CREE, BAC UNIV CALIF SAN FRANCISCO	NEUROLOGY 97 (8): 378-388 AUG 24 2021	31
80	对富血小板血浆联合药物治疗带状疱疹神经痛疗效的观察	OBSERVATION ON THE EFFECT OF PLATELET-RICH PLASMA COMBINED WITH DRUGS IN THE TREATMENT OF HERPES ZOSTER NEURALGIA	ZHOU, ZH GUANGXI MED UNIV	INTERNATIONAL JOURNAL OF NEUROSCIENCE : - OCT 20 2022	31
81	ILAE立场声明:新生儿和婴儿癫痫综合征的ILAE分类和定义	ILAE CLASSIFICATION AND DEFINITION OF EPILEPSY SYNDROMES WITH ONSET IN NEONATES AND INFANTS: POSITION STATEMENT BY THE ILAE TASK FORCE ON NOSOLOGY AND DEFINITIONS	ZUBERI, SM UNIV GLASGOW	EPILEPSIA 63 (6): 1349-1397 JUN 2022	31
82	抑郁症的脑-肠-菌群轴:历史综述与未来发展方向	BRAIN-GUT-MICROBIOTA AXIS IN DEPRESSION: A HISTORICAL OVERVIEW AND FUTURE DIRECTIONS	CHANG, LJ CHIBA UNIV	BRAIN RESEARCH BULLETIN 182: 44-56 MAY 2022	31
83	运动障碍学会:多系统萎缩症诊断标准	THE MOVEMENT DISORDER SOCIETY CRITERIA FOR THE DIAGNOSIS OF MULTIPLE SYSTEM ATROPHY	WENNING, GK INNSBRUCK MED UNIV	MOVEMENT DISORDERS 37 (6): 1131-1148 JUN 2022	30

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ESI中神经科学与行为领域热点分析

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84	新冠病毒 N蛋白和 α -突触核蛋白之间的相互作用加速了淀粉样蛋白的形成	INTERACTIONS BETWEEN SARS-COV-2 N-PROTEIN AND ALPHA-SYNUCLEIN ACCELERATE AMYLOID FORMATION	SEMERDZHIEV, SA UNIV TWENTE	ACS CHEMICAL NEUROSCIENCE 13 (1): 143-150 JAN 5 2022	29
85	阿尔茨海默病患者大脑的大规模深度多层分析揭示了在RNA水平上未观察到的与蛋白质组学相关的强烈变化	LARGE-SCALE DEEP MULTI-LAYER ANALYSIS OF ALZHEIMERS DISEASE BRAIN REVEALS STRONG PROTEOMIC DISEASE-RELATED CHANGES NOT OBSERVED AT THE RNA LEVEL	JOHNSON, ECB EMORY UNIV	NATURE NEUROSCIENCE 25 (2): 213-+ FEB 2022	28
86	小鼠和人脑的单细胞测序揭示人为和混淆的神经胶质特征	DISSECTION OF ARTIFACTUAL AND CONFOUNDING GLIAL SIGNATURES BY SINGLE-CELL SEQUENCING OF MOUSE AND HUMAN BRAIN	MARSH, SE BOSTON CHILDRENS HOSP	NATURE NEUROSCIENCE 25 (3): 306-+ MAR 2022	28
87	依达拉奉通过SIRT1 / NRF2 / HO-1 / GPX4通路改善抑郁和焦虑样行为	EDARAVONE AMELIORATES DEPRESSIVE AND ANXIETY-LIKE BEHAVIORS VIA SIRT1/NRF2/HO-1/GPX4 PATHWAY	DANG, RZ CHONGQING MED UNIV	JOURNAL OF NEUROINFLAMMATION 19 (1): - FEB 7 2022	28
88	国际抗癫痫联盟：儿童癫痫的国际分类标准和定义	INTERNATIONAL LEAGUE AGAINST EPILEPSY CLASSIFICATION AND DEFINITION OF EPILEPSY SYNDROMES WITH ONSET IN CHILDHOOD: POSITION PAPER BY THE ILAE TASK FORCE ON NOSOLOGY AND DEFINITIONS	SPECCHIO, N BAMBINO GESU PEDIAT HOSP	EPILEPSIA 63 (6): 1398-1442 JUN 2022	27
89	新冠的神经侵袭性、神经嗜性和神经毒性	THE NEUROINVASIVENESS, NEUROTROPISM, AND NEUROVIRULENCE OF SARS-COV-2	BAUER, L ERASMUS MC	TRENDS IN NEUROSCIENCES 45 (5): 358-368 MAY 2022	26
90	一项关于美国老年人长期暴露于空气污染环境中初发性痴呆的全国队列研究 (2000-2018)	A NATIONAL COHORT STUDY (2000-2018) OF LONG-TERM AIR POLLUTION EXPOSURE AND INCIDENT DEMENTIA IN OLDER ADULTS IN THE UNITED STATES	SHI, LH EMORY UNIV	NATURE COMMUNICATIONS 12 (1): - NOV 19 2021	26
91	β -淀粉样蛋白和TAU蛋白在阿尔茨海默病中的交互作用	AMYLOID-BETA PEPTIDE AND TAU PROTEIN CROSSTALK IN ALZHEIMERS DISEASE	RODA, AR UNIV AUTONOMA BARCELONA	NEURAL REGENERATION RESEARCH 17 (8): 1666-1674 AUG 2022	24
92	2022年AHA/ASA自发性脑出血指南	2022 GUIDELINE FOR THE MANAGEMENT OF PATIENTS WITH SPONTANEOUS INTRACEREBRAL HEMORRHAGE: A GUIDELINE FROM THE AMERICAN HEART ASSOCIATION/AMERICAN STROKE ASSOCIATION	GREENBERG, SM MASSACHUSETTS GEN HOSP	STROKE 53 (7): E282-E361 JUL 2022	23

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序号	文章主题	题目	第一作者及其单位	出处	单篇被引
93	神经精神疾病的神经发育发病机制模型具有生物活性的犬尿氨酸及类似物作为神经保护剂	MODELLING THE NEURODEVELOPMENTAL PATHOGENESIS IN NEUROPSYCHIATRIC DISORDERS. BIOACTIVE KYNURENINES AND THEIR ANALOGUES AS NEUROPROTECTIVE AGENTS-IN CELEBRATION OF 80TH BIRTHDAY OF PROFESSOR PETER RIEDERER	TANAKA, M UNIV SZEGED MTA SZTE	JOURNAL OF NEURAL TRANSMISSION 129 (5-6): 627-642 SP. ISS. SI JUN 2022	22
94	脑源性神经营养因子在阿尔茨海默病中的作用及其药物潜力	BRAIN-DERIVED NEUROTROPHIC FACTOR IN ALZHEIMERS DISEASE AND ITS PHARMACEUTICAL POTENTIAL	GAO, LN JINING MED UNIV	TRANSLATIONAL NEURODEGENERATION 11 (1): - JAN 28 2022	21
95	星形胶质细胞和少突胶质细胞在阿尔茨海默病中的亚型特异性转录组变化	ASTROCYTES AND OLIGODENDROCYTES UNDERGO SUBTYPE-SPECIFIC TRANSCRIPTIONAL CHANGES IN ALZHEIMERS DISEASE	SADICK, JS NYU GROSSMAN SCH MED	NEURON 110 (11): 1788-+ JUN 1 2022	20
96	基于基因表达谱识别髓母细胞瘤转移相关的潜在关键基因和机制	IDENTIFICATION OF POTENTIAL CRUCIAL GENES AND MECHANISMS ASSOCIATED WITH METASTASIS OF MEDULLOBLASTOMA BASED ON GENE EXPRESSION PROFILE	WANG, GQ SICHUAN UNIV	NEUROLOGICAL RESEARCH : - OCT 12 2022	17
97	大脑和肠道的类组织神经递质传感器	A TISSUE-LIKE NEUROTRANSMITTER SENSOR FOR THE BRAIN AND GUT	LI, JX STANFORD UNIV	NATURE 606 (7912): 94-+ JUN 2 2022	16
98	替代性恐惧学习对反应性行动抑制的影响	THE INFLUENCE OF VICARIOUS FEAR-LEARNING IN INFECTING REACTIVE ACTION INHIBITION	BATTAGLIA, S NIV BOLOGNA	FRONTIERS IN BEHAVIORAL NEUROSCIENCE 16: - JUL 22 2022	16
99	阿尔茨海默症协会适当使用阿尔茨海默病血液生物标志物的建议	THE ALZHEIMERS ASSOCIATION APPROPRIATE USE RECOMMENDATIONS FOR BLOOD BIOMARKERS IN ALZHEIMERS DISEASE	HANSSON, O LUND UNIV	ALZHEIMERS & DEMENTIA 18 (12): 2669-2686 DEC 2022	16
100	肠道微生物群和氧化应激的相互作用:神经退行性病变和神经保护作用的观点	INTERPLAY OF GUT MICROBIOTA AND OXIDATIVE STRESS: PERSPECTIVE ON NEURODEGENERATION AND NEUROPROTECTION	SHANDILYA, S AALTO UNIV	JOURNAL OF ADVANCED RESEARCH 38: 223-244 MAY 2022	16
101	纳武单抗或安慰剂联合替莫唑胺化疗治疗MGMT启动子甲基化的初诊胶质母细胞瘤的三期临床试验	PHASE III TRIAL OF CHEMORADIOTHERAPY WITH TEMOZOLOMIDE PLUS NIVOLUMAB OR PLACEBO FOR NEWLY DIAGNOSED GLIOBLASTOMA WITH METHYLATED MGMT PROMOTER	LIM, M STANFORD UNIV	NEURO-ONCOLOGY 24 (11): 1935-1949 NOV 2 2022	15

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ESI中神经科学与行为领域热点分析

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102	德卢替康-曲妥珠单抗在HER2阳性乳腺癌伴脑转移患者中的应用	TRASTUZUMAB DERUXTECAN IN PATIENTS WITH CENTRAL NERVOUS SYSTEM INVOLVEMENT FROM HER2-POSITIVE BREAST CANCER: THE DEBBRAH TRIAL	PEREZ-GARCIA, JM INT BREAST CANC CTR	NEURO-ONCOLOGY : - MAY 26 2022	15
103	2022 EHF指南：应用靶向降钙素基因相关肽通路的单克隆抗体预防偏头痛	EUROPEAN HEADACHE FEDERATION GUIDELINE ON THE USE OF MONOCLONAL ANTIBODIES TARGETING THE CALCITONIN GENE RELATED PEPTIDE PATHWAY FOR MIGRAINE PREVENTION-2022 UPDATE	SACCO, S UNIV AQUILA	JOURNAL OF HEADACHE AND PAIN 23 (1): - DEC 2022	15
104	新冠中伴有补体系统激活和炎症的神经血管损伤	NEUROVASCULAR INJURY WITH COMPLEMENT ACTIVATION AND INFLAMMATION IN COVID-19	LEE, MH NATL INST NEUROL DISORDERS & STROKE	BRAIN 145 (7): 2555-2568 JUL 29 2022	13
105	IL-17穿过血脑屏障诱导神经炎症:硝酸甘油诱导慢性偏头痛的新机制	IL-17 CROSSES THE BLOOD-BRAIN BARRIER TO TRIGGER NEUROINFLAMMATION: A NOVEL MECHANISM IN NITROGLYCERIN-INDUCED CHRONIC MIGRAINE	CHEN, H CHENGDU UNIV TRADIT CHINESE MED	JOURNAL OF HEADACHE AND PAIN 23 (1): - DEC 2022	12
106	阿尔茨海默病神经病理学谱系中晚期神经病理学改变的频率	FREQUENCY OF LATE NEUROPATHOLOGIC CHANGE ACROSS THE SPECTRUM OF ALZHEIMERS DISEASE NEUROPATHOLOGY: COMBINED DATA FROM 13 COMMUNITY-BASED OR POPULATION-BASED AUTOPSY COHORTS	NELSON, PT UNIV KENTUCKY	ACTA NEUROPATHOLOGICA 144 (1): 27-44 JUL 2022	12
107	神经退行性病变诊断的新范式：外周血外泌体	A NEW PARADIGM FOR DIAGNOSIS OF NEURODEGENERATIVE DISEASES: PERIPHERAL EXOSOMES OF BRAIN ORIGIN	YOUNAS, N GEORG AUGUST UNIV	TRANSLATIONAL NEURODEGENERATION 11 (1): - MAY 9 2022	12
108	社交隔离和孤独与晚期痴呆的关系	ASSOCIATIONS OF SOCIAL ISOLATION AND LONELINESS WITH LATER DEMENTIA	SHEN, C FUDAN UNIV	NEUROLOGY 99 (2): E164- E175 JUL 12 2022	10
109	周围神经损伤的基本机制及电刺激治疗	BASIC MECHANISMS OF PERIPHERAL NERVE INJURY AND TREATMENT VIA ELECTRICAL STIMULATION	CHU, XL TIANJIN UNIV	NEURAL REGENERATION RESEARCH 17 (10): 2185- 2193 OCT 2022	9
110	控制情绪从而控制行为：面对与效价无关的情绪刺激时的反应性行动抑制	STOPPING IN (E)MOTION: REACTIVE ACTION INHIBITION WHEN FACING VALENCE-INDEPENDENT EMOTIONAL STIMULI	BATTAGLIA, S UNIV BOLOGNA	FRONTIERS IN BEHAVIORAL NEUROSCIENCE 16: - SEP 30 2022	8

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111	针对血脑屏障的基因治疗可改善遗传性MCT8缺乏症中的神经系统症状	GENE THERAPY TARGETING THE BLOOD-BRAIN BARRIER IMPROVES NEUROLOGICAL SYMPTOMS IN A MODEL OF GENETIC MCT8 DEFICIENCY	SUNDARAM, SM UNIV LUBECK	BRAIN 145 (12): 4264-4274 DEC 19 2022	8
112	人类iPSC衍生小胶质细胞CRISPRi/A筛选平台揭示了患病状态的调节因子	A CRISPRi/A PLATFORM IN HUMAN iPSC-DERIVED MICROGLIA UNCOVERS REGULATORS OF DISEASE STATES	DRAGER, NM UNIV CALIF SAN FRANCISCO	NATURE NEUROSCIENCE 25 (9): 1149-+ SEP 2022	7
113	血管性痴呆在中国的住院率最高:一项全国医院信息系统研究	VASCULAR DEMENTIA HAS THE HIGHEST HOSPITALISATION RATE IN CHINA: A NATIONWIDE HOSPITAL INFORMATION SYSTEM STUDY	WANG, Y BEIJING TIANTAN HOSP	STROKE AND VASCULAR NEUROLOGY : - SEP 6 2022	7
114	全球耳鸣患病率和发病率的系统回顾和元分析	GLOBAL PREVALENCE AND INCIDENCE OF TINNITUS A SYSTEMATIC REVIEW AND META-ANALYSIS	JARACH, CM IST RIC FARMACOL MARIO NEGRI ZHOU, WJ	JAMA NEUROLOGY 79 (9): 888-900 SEP 2022	7
115	声音通过听觉皮层-丘脑回路缓解疼痛	SOUND INDUCES ANALGESIA THROUGH CORTICOTHALAMIC CIRCUITS	UNIV SCI & TECHNOL CHINA	SCIENCE 377 (6602): 198-+ JUL 8 2022	6
116	52个国家疼痛患病率的全球研究:检查国家层面背景因素的作用	A GLOBAL STUDY OF PAIN PREVALENCE ACROSS 52 COUNTRIES: EXAMINING THE ROLE OF COUNTRY-LEVEL CONTEXTUAL FACTORS	ZIMMER, Z MT ST VINCENT UNIV	PAIN 163 (9): 1740-1750 SEP 2022	6
117	司美格鲁肽对2型糖尿病患者卒中亚型的影响	EFFECTS OF SEMAGLUTIDE ON STROKE SUBTYPES IN TYPE 2 DIABETES: POST HOC ANALYSIS OF THE RANDOMIZED SUSTAIN 6 AND PIONEER 6	STRAIN, WD UNIV EXETER	STROKE 53 (9): 2749-2757 SEP 2022	6
118	体重过轻和体重轻微反弹的神经性厌食症患者的大脑结构	BRAIN STRUCTURE IN ACUTELY UNDERWEIGHT AND PARTIALLY WEIGHT-RESTORED INDIVIDUALS WITH ANOREXIA NERVOSA: A COORDINATED ANALYSIS BY THE ENIGMA EATING DISORDERS WORKING GROUP	WALTON, E UNIV BATH	BIOLOGICAL PSYCHIATRY 92 (9): 730-738 NOV 1 2022	5
119	CAMKII: 突触可塑性学习和记忆核心分子组织者	CAMKII: A CENTRAL MOLECULAR ORGANIZER OF SYNAPTIC PLASTICITY, LEARNING AND MEMORY	YASUDA, R MAX PLANCK FLORIDA INST NEUROSCI	NATURE REVIEWS NEUROSCIENCE 23 (11): 666-682 NOV 2022	4

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120	有助于瘫痪恢复行走的神经元	THE NEURONS THAT RESTORE WALKING AFTER PARALYSIS	KATHE, C UNIL	NATURE 611 (7936): 540-+ NOV 17 2022	4
121	基于CNN和LSTM的脑电信号情感识别	EEG-BASED EMOTION RECOGNITION USING HYBRID CNN AND LSTM CLASSIFICATION	CHAKRAVARTHI, B ANGLIA RUSKIN UNIV	FRONTIERS IN COMPUTATIONAL NEUROSCIENCE 16: - OCT 7 2022	4

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