



神经科学与行为领域 热点论文

02

2024
5月第2期（总76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2024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2021年10月至2023年10月发表的文章中，在2023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2024年3月15日。

本期发布神经科学与行为领域热点文章108篇，其中首次入榜文章45篇。单篇最高被引603次，最低被引3次。“LONGITUDINAL ANALYSIS REVEALS HIGH PREVALENCE OF EPSTEIN-BARR VIRUS ASSOCIATED WITH MULTIPLE SCLEROSIS”在本期热点论文数据中被引频次最高，主要内容为EPSTEIN-BARR病毒 (EBV) 感染增加多发性硬化症 (MS) 风险。

首次入榜的45篇中单篇最高被引74次的文章是由阿根廷神经系统疾病防治基金会的Lucia Crivelli发表的，论文题目为“CHANGES IN COGNITIVE FUNCTIONING AFTER COVID-19: A SYSTEMATIC REVIEW AND META-ANALYSIS”，对新冠疫情后认知功能的变化进行了综述和元分析。

首次入榜文章有：

- 卒中
 - 44: 中国卒中报告2019更新版;
 - 95: 炎症反应在血性脑卒中的作用;
 - 96: 急性和慢性兴奋毒性中的突触外NMDA受体: 对缺血性中风和晚发性阿尔茨海默病的预防治疗的影响;
 - 108: 减轻全球脑卒中负担的实用性解决方案: 世界卒中组织与柳叶刀神经病学杂志委员会的联合倡议;
- 阿尔茨海默病
 - 56: 线粒体功能障碍在阿尔茨海默病发病机制中的作用;
 - 60: 阿尔茨海默病中的突触退化;
 - 63: 阿尔茨海默病中的APOE: 病理生理学和治疗策略;
 - 77: 小胶质细胞通过Piezo1感知淀粉样斑块硬度限制阿尔兹海默病进程;
 - 98: Tau蛋白和神经炎症在阿尔茨海默病中的相互作用机制和临床应用前景;
 - 100: MEG3在模拟阿尔茨海默病的人源神经元异种移植模型中激活坏死性凋亡;
- 疼痛
 - 106: 国际疼痛学会的倡议和教育成就;

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 2024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	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	603
2	新冠与大脑结构变化有关(英国生物样本库)	SARS-COV-2 IS ASSOCIATED WITH CHANGES IN BRAIN STRUCTURE IN UK BIOBANK	DOUAUD, G UNIV OXFORD	NATURE 604 (7907): 697-+ APR 28 2022	565
3	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	555
4	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	484
5	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	350
6	小胶质细胞状态和命名:一个处于十字路口的领域	MICROGLIA STATES AND NOMENCLATURE: A FIELD AT ITS CROSSROADS	PAOLICELLI, RC UNIV LAUSANNE	NEURON 110 (21): 3458-3483 NOV 2 2022	271
7	ADUCANUMAB治疗早期阿尔茨海默病的2项随机3期研究	TWO RANDOMIZED PHASE 3 STUDIES OF ADUCANUMAB IN EARLY ALZHEIMERS DISEASE	HAEBERLEIN, SB BIOGEN	JPAD-JOURNAL OF PREVENTION OF ALZHEIMERS DISEASE 9 (2): 197-210 APR 2022	255
8	人类寿命的脑图	BRAIN CHARTS FOR THE HUMAN LIFESPAN	BETHLEHEM, RAI UNIV CAMBRIDGE	NATURE 604 (7906): 525-+ APR 21 2022	244

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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
9	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	243
10	2023年阿尔茨海默病数据	2023 ALZHEIMERS DISEASE FACTS AND FIGURES	[ANONYMOUS]	ALZHEIMERS & DEMENTIA 19 (4): 1598-1695 APR 2023	217
11	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	189
12	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	184
13	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 28 (8): 3243-3256 AUG 2023	178
14	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	174
15	阿尔茨海默病小鼠模型中神经细胞自噬溶酶体酸化障碍导致脑内神经细胞外 β 淀粉样蛋白沉积	FAULTY AUTOLYSOSOME ACIDIFICATION IN ALZHEIMERS DISEASE MOUSE MODELS INDUCES AUTOPHAGIC BUILD-UP OF AB IN NEURONS, YIELDING SENILE PLAQUES	LEE, JH NATHAN S KLINE INST	NATURE NEUROSCIENCE 25 (6): 688-+ JUN 2022	167
16	小胶质细胞在神经退行性疾病中从M1到M2的表型极化	MICROGLIA POLARIZATION FROM M1 TO M2 IN NEURODEGENERATIVE DISEASES	GUO, SR SHANGHAI JIAO TONG UNIV	FRONTIERS IN AGING NEUROSCIENCE 14: - FEB 16 2022	157
17	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	155
18	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	152

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19	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	149
20	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	142
21	人脑淀粉样蛋白 β 42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	141
22	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	139
23	2015-2019美国原发性脑和中枢神经系统肿瘤流行病学调查	CBTRUS STATISTICAL REPORT: PRIMARY BRAIN AND OTHER CENTRAL NERVOUS SYSTEM TUMORS DIAGNOSED IN THE UNITED STATES IN 2015-2019	OSTROM, QT CENT BRAIN TUMOR REGISTRY US	NEURO-ONCOLOGY 24: V1-V95 SUPPL. 5 SP. ISS. SI OCT 5 2022	138
24	血浆GFAP作为脑和脊髓疾病的新生物标志物	BLOOD GFAP AS AN EMERGING BIOMARKER IN BRAIN AND SPINAL CORD DISORDERS	ABDELHAK, A UNIV CALIF SAN FRANCISCO	NATURE REVIEWS NEUROLOGY 18 (3): 158-172 MAR 2022	133
25	髓鞘少突胶质细胞糖蛋白抗体相关性疾病的诊断: 国际MOGAD专家组提出的标准	DIAGNOSIS OF MYELIN OLIGODENDROCYTE GLYCOPROTEIN ANTIBODY-ASSOCIATED DISEASE: INTERNATIONAL MOGAD PANEL PROPOSED CRITERIA	BANWELL, B UNIV PENN	LANCET NEUROLOGY 22 (3): 268-282 MAR 2023	124
26	肠道衍生代谢物改变了小鼠的大脑活动和焦虑行为	A GUT-DERIVED METABOLITE ALTERS BRAIN ACTIVITY AND ANXIETY BEHAVIOUR IN MICE	NEEDHAM, BD CALTECH	NATURE 602 (7898): 647-+ FEB 24 2022	113

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27	脑淀粉样血管病的BOSTON诊断标准2.0版	THE BOSTON CRITERIA VERSION 2.0 FOR CEREBRAL AMYLOID ANGIOPATHY: A MULTICENTRE, RETROSPECTIVE, MRI-NEUROPATHOLOGY DIAGNOSTIC ACCURACY STUDY	CHARIDIMOU, A MASSACHUSETTS GEN HOSP	LANCET NEUROLOGY 21 (8): 714-725 AUG 2022	109
28	创伤性脑损伤:预防、临床护理和研究的进展与挑战	TRAUMATIC BRAIN INJURY: PROGRESS AND CHALLENGES IN PREVENTION, CLINICAL CARE, AND RESEARCH	MAAS, AIR ANTWERP UNIV HOSP	LANCET NEUROLOGY 21 (11): 1004-1060 NOV 2022	107
29	人类中脑的单细胞测序揭示了神经胶质激活和帕金森特异性神经元状态	SINGLE-CELL SEQUENCING OF HUMAN MIDBRAIN REVEALS GLIAL ACTIVATION AND A PARKINSON-SPECIFIC NEURONAL STATE	SMAJIC, S UNIV LUXEMBOURG	BRAIN 145 (3): 964-978 APR 29 2022	106
30	神经炎症、卒中、血脑屏障功能障碍, 以及影像学变化	NEUROINFLAMMATION, STROKE, BLOOD-BRAIN BARRIER DYSFUNCTION, AND IMAGING MODALITIES	CANDELARIO-JALIL, E UNIV FLORIDA	STROKE 53 (5): 1473- 1486 MAY 2022	105
31	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	105
32	意识理论	THEORIES OF CONSCIOUSNESS	SETH, AK UNIV SUSSEX	NATURE REVIEWS NEUROSCIENCE 23 (7): 439-452 JUL 2022	99
33	不同的自噬降解通路和神经退行性病变	THE DIFFERENT AUTOPHAGY DEGRADATION PATHWAYS AND NEURODEGENERATION	FLEMING, A UNIV CAMBRIDGE	NEURON 110 (6): 935-966 MAR 16 2022	99
34	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	94
35	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	87

序号	文章主题	题目	第一作者及其单位	出处	单篇被引
36	全球阿尔茨海默病连续疾病谱患病人数估算	GLOBAL ESTIMATES ON THE NUMBER OF PERSONS ACROSS THE ALZHEIMERS DISEASE CONTINUUM	GUSTAVSSON, A KAROLINSKA INST	ALZHEIMERS & DEMENTIA 19 (2): 658-670 FEB 2023	87
37	人类多巴胺神经元的单细胞基因组分析确定帕金森病易感人群	SINGLE-CELL GENOMIC PROFILING OF HUMAN DOPAMINE NEURONS IDENTIFIES A POPULATION THAT SELECTIVELY DEGENERATES IN PARKINSONS DISEASE	KAMATH, T BROAD INST HARVARD & MIT	NATURE NEUROSCIENCE 25 (5): 588+ MAY 2022	85
38	新冠后遗症的神经生物学	THE NEUROBIOLOGY OF LONG COVID	MONJE, M STANFORD UNIV	NEURON 110 (21): 3484-3496 NOV 2 2022	78
39	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	77
40	CBTRUS统计报告:2014-2018年美国儿童和青少年原发性脑肿瘤及其它中枢神经系统肿瘤确诊病例	CBTRUS STATISTICAL REPORT: PEDIATRIC BRAIN TUMOR FOUNDATION CHILDHOOD AND ADOLESCENT PRIMARY BRAIN AND OTHER CENTRAL NERVOUS SYSTEM TUMORS DIAGNOSED IN THE UNITED STATES IN 2014-2018	OSTROM, QT CENT BRAIN TUMOR REGISTRY US	NEURO-ONCOLOGY 24: III1-III38 SUPPL. 3 SP. ISS. SI SEP 6 2022	75
41	新冠疫情后认知功能的变化: 系统综述和元分析	CHANGES IN COGNITIVE FUNCTIONING AFTER COVID-19: A SYSTEMATIC REVIEW AND META-ANALYSIS	CRIVELLI, L FLENI	ALZHEIMERS & DEMENTIA 18 (5): 1047-1066 MAY 2022	74
42	移植的人类皮层类器官的成熟和回路整合	MATURATION AND CIRCUIT INTEGRATION OF TRANSPLANTED HUMAN CORTICAL ORGANIDS	REVAH, O STANFORD UNIV	NATURE 610 (7931): 319-+ OCT 13 2022	72
43	兴奋性毒性、钙离子和线粒体: 突触神经退行性疾病中的三位一体	EXCITOTOXICITY, CALCIUM AND MITOCHONDRIA: A TRIAD IN SYNAPTIC NEURODEGENERATION	VERMA, M UNIV PITTSBURGH	TRANSLATIONAL NEURODEGENERATION 11 (1): - JAN 25 2022	72
44	中国卒中报告2019更新版	CHINA STROKE STATISTICS: AN UPDATE ON THE 2019 REPORT FROM THE NATIONAL CENTER FOR HEALTHCARE QUALITY MANAGEMENT IN NEUROLOGICAL DISEASES, CHINA NATIONAL CLINICAL RESEARCH CENTER FOR NEUROLOGICAL DISEASES, THE CHINESE STROKE ASSOCIATION, NATIONAL CENTER FOR CHRONIC AND NON-COMMUNICABLE DISEASE CONTROL AND PREVENTION, CHINESE CENTER FOR DISEASE CONTROL AND PREVENTION AND INSTITUTE FOR GLOBAL NEUROSCIENCE AND STROKE COLLABORATIONS	WANG, YJ CAPITAL MED UNIV	STROKE AND VASCULAR NEUROLOGY 7 (5): 415-450 OCT 2022	69

注: 红色字体为首次入榜的热点论文。

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45	脑底动脉环闭塞症：诊断和干预	MOYAMOYA DISEASE: DIAGNOSIS AND INTERVENTIONS	IHARA, M NATL CEREBRAL & CARDIOVASC CTR	LANCET NEUROLOGY 21 (8): 747-758 AUG 2022	67
46	LECANEMAB、ADUCANUMAB和GANTENERUMAB——与不同形式的淀粉样蛋白β结合的特征或可解释阿尔茨海默病临床试验中的疗效和副作用	LECANEMAB, ADUCANUMAB, AND GANTENERUMAB - BINDING PROFILES TO DIFFERENT FORMS OF AMYLOID-BETA MIGHT EXPLAIN EFFICACY AND SIDE EFFECTS IN CLINICAL TRIALS FOR ALZHEIMERS DISEASE	SÖDERBERG, L BIOARCTIC AB	NEUROTHERAPEUTICS 20 (1): 195-206 JAN 2023	66
47	大脑经颅磁刺激：刺激了什么？ - 一份共识和关键立场文件	TRANSCRANIAL MAGNETIC STIMULATION OF THE BRAIN: WHAT IS STIMULATED? - A CONSENSUS AND CRITICAL POSITION PAPER	SIEBNER, HR COPENHAGEN UNIV HOSP HVIDOVRE	CLINICAL NEUROPHYSIOLOGY 140: 59-97 AUG 2022	65
48	全球脑瘫患病率：一项系统分析	GLOBAL PREVALENCE OF CEREBRAL PALSY: A SYSTEMATIC ANALYSIS	MCINTYRE, S UNIV SYDNEY	DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY 64 (12): 1494-1506 DEC 2022	61
49	肠道代谢产物吲哚-3-丙酸促进神经再生和修复	THE GUT METABOLITE INDOLE-3 PROPIONATE PROMOTES NERVE REGENERATION AND REPAIR	SERGER, E	NATURE 607 (7919): 585-+ JUL 21 2022	60
50	大脑连接的涌现特性	THE EMERGENT PROPERTIES OF THE CONNECTED BRAIN	DE SCHOTTEN, MT UNIV BORDEAUX	SCIENCE 378 (6619): 505-+ NOV 4 2022	59
51	使用α突触核蛋白种子扩增对帕金森病进展标志物候群中被试者异质性的评估：一项横断面研究	ASSESSMENT OF HETEROGENEITY AMONG PARTICIPANTS IN THE PARKINSON'S PROGRESSION MARKERS INITIATIVE COHORT USING A-SYNUCLEIN SEED AMPLIFICATION: A CROSS-SECTIONAL STUDY	SIDEROWF, A UNIV PENN	LANCET NEUROLOGY 22 (5): 407-417 MAY 2023	57
52	星形胶质细胞参与神经退行性疾病的功能障碍、风险和进展	ASTROCYTE CONTRIBUTION TO DYSFUNCTION, RISK AND PROGRESSION IN NEURODEGENERATIVE DISORDERS	BRANDEBURA, AN SALK INST BIOL STUDIES	NATURE REVIEWS NEUROSCIENCE 24 (1): 23-39 JAN 2023	53
53	小胶质细胞与T细胞共同作用引发神经退行性疾病	MICROGLIA-MEDIATED T CELL INFILTRATION DRIVES NEURODEGENERATION IN TAUOPATHY	CHEN, XY WASHINGTON UNIV	NATURE 615 (7953): 668-+ MAR 23 2023	53
54	小胶质细胞调控中枢神经系统髓鞘的生长并维持其完整性	MICROGLIA REGULATE CENTRAL NERVOUS SYSTEM MYELIN GROWTH AND INTEGRITY	MCNAMARA, NB UNIV EDINBURGH	NATURE 613 (7942): 120-+ JAN 5 2023	52

注：红色字体为首次入榜的热点论文。

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55	LECANEMAB: 适当使用建议	LECANEMAB: APPROPRIATE USE RECOMMENDATIONS	CUMMINGS, J UNIV NEVADA LAS VEGAS	JPAD-JOURNAL OF PREVENTION OF ALZHEIMERS DISEASE 10 (3): 362-377 SEP 2023	49
56	线粒体功能障碍在阿尔茨海默病发病机制中的作用	THE ROLE OF MITOCHONDRIAL DYSFUNCTION IN ALZHEIMERS DISEASE PATHOGENESIS	ASHLEIGH, T	ALZHEIMERS & DEMENTIA 19 (1): 333-342 JAN 2023	47
57	综述脉冲神经网络及其应用	SPIKING NEURAL NETWORKS AND THEIR APPLICATIONS: A REVIEW	YAMAZAKI, K	BRAIN SCIENCES 12 (7): - JUL 2022	45
58	间皮将蛛网膜下腔划分为多个功能区室	A MESOTHELIUM DIVIDES THE SUBARACHNOID SPACE INTO FUNCTIONAL COMPARTMENTS	MOLLGARD, K UNIV COPENHAGEN	SCIENCE 379 (6627): 84-88 JAN 6 2023	44
59	重度抑郁障碍的分子通路聚焦于突触	MOLECULAR PATHWAYS OF MAJOR DEPRESSIVE DISORDER CONVERGE ON THE SYNAPSE	FRIES, GR UNIV TEXAS MD ANDERSON CANC CTR	MOLECULAR PSYCHIATRY 28 (1): 284-297 JAN 2023	43
60	阿尔茨海默病中的突触退化	SYNAPTIC DEGENERATION IN ALZHEIMER DISEASE	TZIORAS, M UNIV LEIPZIG	NATURE REVIEWS NEUROLOGY 19 (1): 19-38 JAN 2023	43
61	致幻剂通过激活细胞内5-HT2A受体促进神经可塑性	PSYCHEDELICS PROMOTE NEUROPLASTICITY THROUGH THE ACTIVATION OF INTRACELLULAR 5-HT2A RECEPTORS	VARGAS, MV UNIV CALIF DAVIS	SCIENCE 379 (6633): 700-706 FEB 17 2023	43
62	α -突触核蛋白在线粒体上的病理结构转变引发神经毒性	PATHOLOGICAL STRUCTURAL CONVERSION OF A-SYNUCLEIN AT THE MITOCHONDRIA INDUCES NEURONAL TOXICITY	CHOI, ML UCL QUEEN SQ INST NEUROL	NATURE NEUROSCIENCE 25 (9): 1134-+ SEP 2022	41
63	阿尔茨海默病中的APOE: 病理生理学和治理策略	APOE IN ALZHEIMERS DISEASE: PATHOPHYSIOLOGY AND THERAPEUTIC STRATEGIES	RAULIN, AC MAYO CLIN	MOLECULAR NEURODEGENERATION 17 (1): - NOV 8 2022	40
64	视神经炎的诊断和分类	DIAGNOSIS AND CLASSIFICATION OF OPTIC NEURITIS	PETZOLD, A UCL	LANCET NEUROLOGY 21 (12): 1120-1134 DEC 2022	38

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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	2023年动脉瘤性蛛网膜下腔出血患者管理指南：美国心脏协会/美国中风协会指南	2023 GUIDELINE FOR THE MANAGEMENT OF PATIENTS WITH ANEURYSMAL SUBARACHNOID HEMORRHAGE: A GUIDELINE FROM THE AMERICAN HEART ASSOCIATION/AMERICAN STROKE ASSOCIATION	HOH, BL UNIV FLORIDA	STROKE 54 (7): E314-E370 JUL 2023	37
66	情感行为状态的心源性控制	CARDIOGENIC CONTROL OF AFFECTIVE BEHAVIOURAL STATE	HSUEH, B STANFORD UNIV	NATURE 615 (7951): 292-+ MAR 9 2023	37
67	致幻剂可直接与BDNF受体TrkB结合促进可塑性	PSYCHEDELICS PROMOTE PLASTICITY BY DIRECTLY BINDING TO BDNF RECEPTOR TRKB	MOLINER, R UNIV HELSINKI	NATURE NEUROSCIENCE 26 (6): 1032-+ JUN 2023	36
68	精神分裂症的认知障碍：病因、病理生理学和治理	COGNITIVE IMPAIRMENT IN SCHIZOPHRENIA: AETIOLOGY, PATHOPHYSIOLOGY, AND TREATMENT	MCCUTCHEON, RA UNIV OXFORD	MOLECULAR PSYCHIATRY 28 (5): 1902-1918 MAY 2023	32
69	躯体-认知行动网络与运动皮层中的执行区域	A SOMATO-COGNITIVE ACTION NETWORK ALTERNATES WITH EFFECTOR REGIONS IN MOTOR CORTEX	GORDON, EM WASHINGTON UNIV	NATURE : - APR 19 2023	31
70	小血管病研究的神经影像学标准-2013年以来的进展	NEUROIMAGING STANDARDS FOR RESEARCH INTO SMALL VESSEL DISEASE-ADVANCES SINCE 2013	DUERING, M UNIV HOSP	LANCET NEUROLOGY 22 (7): 602-618 JUL 2023	31
71	进食障碍的治疗：基于元分析和网络元分析的元分析	TREATMENT OF EATING DISORDERS: A SYSTEMATIC META-REVIEW OF META-ANALYSES AND NETWORK META-ANALYSES	MONTELEONE, AM UNIV CAMPANIA L VANVITELLI	NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS 142: - NOV 2022	31
72	抗β-淀粉样蛋白药物加速大脑萎缩：系统综述和元分析	ACCELERATED BRAIN VOLUME LOSS CAUSED BY ANTI-B-AMYLOID DRUGS A SYSTEMATIC REVIEW AND META-ANALYSIS	ALVES, F UNIV MELBOURNE	NEUROLOGY 100 (20): E2114-E2124 MAY 16 2023	28
73	脑-脊髓接口搭建“数字桥梁”，使瘫痪者恢复行走	WALKING NATURALLY AFTER SPINAL CORD INJURY USING A BRAIN-SPINE INTERFACE	LORACH, H ECOLE POLYTECH FED LAUSANNE KRISHNA, S	NATURE 618 (7963): 126-+ JUN 1 2023	27
74	神经胶质瘤可重塑功能性神经回路并影响患者生存	GLIOBLASTOMA REMODELLING OF HUMAN NEURAL CIRCUITS DECREASES SURVIVAL	UNIV CALIF SAN FRANCISCO	NATURE 617 (7961): - MAY 18 2023	24

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75	以非侵入性方式记录大脑活动时的连续语言语义重构	SEMANTIC RECONSTRUCTION OF CONTINUOUS LANGUAGE FROM NON-INVASIVE BRAIN RECORDINGS	TANG, JRY UNIV TEXAS AUSTIN	NATURE NEUROSCIENCE 26 (5): - MAY 2023	23
76	重放、默认模式网络和记忆的级联系统模型	REPLAY, THE DEFAULT MODE NETWORK AND THE CASCADED MEMORY SYSTEMS MODEL	KAEFER, K Radboud Univ Nijmegen	NATURE REVIEWS NEUROSCIENCE 23 (10): 628-640 OCT 2022	22
77	小胶质细胞通过Piezo1感知淀粉样斑块硬度限制阿尔兹海默病进程	MICROGLIAL PIEZO1 SENSES AD FIBRIL STIFFNESS TO RESTRICT ALZHEIMERS DISEASE	HU, J XIAMEN UNIV	NEURON 111 (1): 15-+ JAN 4 2023	22
78	肠道菌群在阿尔茨海默病中的作用	THE GUT MICROBIOME IN ALZHEIMERS DISEASE: WHAT WE KNOW AND WHAT REMAINS TO BE EXPLORED	CHANDRA, S NORTHWESTERN UNIV	MOLECULAR NEURODEGENERATION 18 (1): - FEB 1 2023	22
79	携带血脑屏障运输载体的TREM2激活抗体增强阿尔茨海默病模型中的小胶质细胞代谢	A TREM2-ACTIVATING ANTIBODY WITH A BLOOD-BRAIN BARRIER TRANSPORT VEHICLE ENHANCES MICROGLIAL METABOLISM IN ALZHEIMERS DISEASE MODELS	VAN LINGERICH, B DENALI THERAPEUT INC	NATURE NEUROSCIENCE 26 (3): 416-+ MAR 2023	21
80	2019年全球痴呆症相关花费	THE WORLDWIDE COSTS OF DEMENTIA IN 2019	WIMO, A KAROLINSKA INST	ALZHEIMERS & DEMENTIA 19 (7): 2865-2873 JUL 2023	20
81	帕金森病患者认知功能正常前期的大脑皮质灰质和白质萎缩和不对称性	CORTICAL GRAY MATTER AND CEREBRAL WHITE MATTER ATROPHY AND ASYMMETRY IN PARKINSONS DISEASE PATIENTS WITH NORMAL COGNITIVE PRECEDE	JAHANSHAHI, A TABRIZ UNIV MED SCI	INTERNATIONAL JOURNAL OF NEUROSCIENCE : - DEC 11 2023	20
82	综述静息态的脑电微状态的功能特点	THE FUNCTIONAL ASPECTS OF RESTING EEG MICROSTATES: A SYSTEMATIC REVIEW	TARAILIS, P VILNIUS UNIV	BRAIN TOPOGRAPHY : - MAY 10 2023	19
83	改变对大脑免疫的理解	TRANSFORMING THE UNDERSTANDING OF BRAIN IMMUNITY	CASTELLANI, G WEIZMANN INST SCI	SCIENCE 380 (6640): - APR 2023	19

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ESI中神经科学与行为领域热点分析

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84	AHA/ASA科学声明:神经血管组在大脑健康和认知损害中的关键作用	THE NEUROVASCULOME: KEY ROLES IN BRAIN HEALTH AND COGNITIVE IMPAIRMENT: A SCIENTIFIC STATEMENT FROM THE AMERICAN HEART ASSOCIATION/AMERICAN STROKE ASSOCIATION	IADECOLA, C -	STROKE 54 (6): E251-E271 JUN 2023	19
85	成年人脊髓的细胞分类学	A CELLULAR TAXONOMY OF THE ADULT HUMAN SPINAL CORD	YADAV, A COLUMBIA UNIV	NEURON 111 (3): 328-+ FEB 1 2023	19
86	反应性星形胶质细胞在神经炎症和神经退行性疾病中的功能作用	FUNCTIONAL ROLES OF REACTIVE ASTROCYTES IN NEUROINFLAMMATION AND NEURODEGENERATION	PATANI, R UCL QUEEN SQ INST NEUROL	NATURE REVIEWS NEUROLOGY 19 (7): 395-409 JUL 2023	19
87	血清胶质纤维酸性蛋白与神经丝轻链作为多发性硬化病程进展的生物标志物的比较	SERUM GLIAL FIBRILLARY ACIDIC PROTEIN COMPARED WITH NEUROFILAMENT LIGHT CHAIN AS A BIOMARKER FOR DISEASE PROGRESSION IN MULTIPLE SCLEROSIS	MEIER, S VRIJE UNIV AMSTERDAM	JAMA NEUROLOGY 80 (3): 287-297 MAR 2023	17
88	NeuroAI:神经人工智能催化下一代人工智能革命	CATALYZING NEXT-GENERATION ARTIFICIAL INTELLIGENCE THROUGH NEUROAI	ZADOR, A COLD SPRING HARBOR LAB	NATURE COMMUNICATIONS 14 (1): - MAR 22 2023	16
89	胶质细胞通过趋化外周CD8+ T细胞浸润脑引发脑损伤	MICROGLIA DRIVE TRANSIENT INSULT-INDUCED BRAIN INJURY BY CHEMOTACTIC RECRUITMENT OF CD8+T LYMPHOCYTES	SHI, ZS SUN YAT SEN UNIV	NEURON 111 (5): 696-+ MAR 1 2023	15
90	DNA甲基化可推测哺乳动物寿命	UNIVERSAL DNA METHYLATION AGE ACROSS MAMMALIAN TISSUES	LU, AT UNIV CALIF LOS ANGELES	NATURE AGING 3 (9): 1144-+ SEP 2023	15
91	Tau蛋白激活星形胶质细胞CGAS-IFN通路减少MEF2C介导的认知弹性	TAU ACTIVATION OF MICROGLIAL CGAS-IFN REDUCES MEF2C-MEDIATED COGNITIVE RESILIENCE	UDEOCHU, JC WEILL CORNELL MED	NATURE NEUROSCIENCE 26 (5): - MAY 2023	14
92	经颅交流电直接刺激对脑深部电活动的影响	EVIDENCE OF A LARGE CURRENT OF TRANSCRANIAL ALTERNATING CURRENT STIMULATION DIRECTLY TO DEEP BRAIN REGIONS	SHAN, YZ CAPITAL MED UNIV	MOLECULAR PSYCHIATRY : - JUL 19 2023	14

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93	1990-2030年缺血性卒中的全球负担、危险因素分析和预测研究	GLOBAL BURDEN, RISK FACTOR ANALYSIS, AND PREDICTION STUDY OF ISCHEMIC STROKE, 1990-2030	FAN, JH TONGJI UNIV	NEUROLOGY 101 (2): E137-E150 JUL 11 2023	13
94	布鲁顿酪氨酸激酶(BTK)抑制剂可用于多发性硬化症	BRUTON TYROSINE KINASE INHIBITORS FOR MULTIPLE SCLEROSIS	KRÄMER, J UNIV HOSP MUNSTER	NATURE REVIEWS NEUROLOGY 19 (5): 289-304 MAY 2023	12
95	炎症反应在血性脑卒中的作用	ROLE OF INFLAMMATORY PROCESSES IN HEMORRHAGIC STROKE	OHASHI, SN YALE SCH MED	STROKE 54 (2): 605-619 FEB 2023	11
96	急性和慢性兴奋毒性中的突触外NMDA受体: 对缺血性中风和晚发性阿尔茨海默病的预防治疗的影响	EXTRASYNAPTIC NMDA RECEPTORS IN ACUTE AND CHRONIC EXCITOTOXICITY: IMPLICATIONS FOR PREVENTIVE TREATMENTS OF ISCHEMIC STROKE AND LATE-ONSET ALZHEIMERS DISEASE	YU, SP EMORY UNIV	MOLECULAR NEURODEGENERATION 18 (1): - JUL 3 2023	10
97	血小板因子减轻炎症并改善老年认知能力	PLATELET FACTORS ATTENUATE INFLAMMATION AND RESCUE COGNITION IN AGEING	SCHROER, AB UNIV CALIF SAN FRANCISCO	NATURE : - AUG 16 2023	9
98	Tau蛋白和神经炎症在阿尔茨海默病中的相互作用机制和临床应用前景	TAU AND NEUROINFLAMMATION IN ALZHEIMERS DISEASE: INTERPLAY MECHANISMS AND CLINICAL TRANSLATION	CHEN, YJ SHANGHAI JIAO TONG UNIV	JOURNAL OF NEUROINFLAMMATION 20 (1): - JUL 14 2023	9
99	长寿因子KLOTHO可有效改善认知功能	LONGEVITY FACTOR KLOTHO ENHANCES COGNITION IN AGED NONHUMAN PRIMATES	CASTNER, SA YALE SCH MED	NATURE AGING 3 (8): 931-+ AUG 2023	9
100	MEG3 在模拟阿尔茨海默病的人源神经元异种移植模型中激活坏死性凋亡	MEG3 ACTIVATES NECROPTOSIS IN HUMAN NEURON XENOGRAPTS MODELING ALZHEIMERS DISEASE	BALUSU, S VIB KU LEUVEN CTR BRAIN & DIS RES	SCIENCE 381 (6663): 1176-+ SEP 15 2023	6
101	后部和中额叶θ活动对视觉空间注意的相关性	ON THE RELEVANCE OF POSTERIOR AND MIDFRONTAL THETA ACTIVITY FOR VISUOSPATIAL ATTENTION	ASANOWICZ, D JAGIELLONIAN UNIV	JOURNAL OF COGNITIVE NEUROSCIENCE 35 (12): 1972-2001 DEC 1 2023	6

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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
102	GABA音调调节及其对大脑认知功能的影响	GABA TONE REGULATION AND ITS COGNITIVE FUNCTIONS IN THE BRAIN	KOH, W INST FOR BASIC SCI KOREA	NATURE REVIEWS NEUROSCIENCE 24 (9): 523-539 SEP 2023	6
103	淀粉样蛋白的冷冻电镜分析揭示神经退行性疾病分子病理	MOLECULAR PATHOLOGY OF NEURODEGENERATIVE DISEASES BY CRYO-EM OF AMYLOIDS	SCHERES, SHW MRC	NATURE 621 (7980): 701-710 SEP 28 2023	5
104	特化的星形胶质细胞在中枢神经系统中介导谷氨酸能神经递质传递	SPECIALIZED ASTROCYTES MEDIATE GLUTAMATERGIC GLIOTRANSMISSION IN THE CNS	DE CEGLIA, R UNIV LAUSANNE	NATURE 622 (7981): 120+ OCT 5 2023	4
105	氯胺酮长效抗抑郁的神经机制	SUSTAINED ANTIDEPRESSANT EFFECT OF KETAMINE THROUGH NMDAR TRAPPING IN THE LHB	MA, SS ZHEJIANG UNIV	NATURE 622 (7984): 802+ OCT 26 2023	4
106	国际疼痛学会的倡议和教育成就	EDUCATIONAL INITIATIVES AND ACHIEVEMENTS OF THE INTERNATIONAL ASSOCIATION FOR THE STUDY OF PAIN	NICHOLAS, MK UNIV SYDNEY	PAIN 164 (11S): S6-S10 SUPPL. 11 NOV 2023	4
107	血清神经丝轻链蛋白：遗传性转甲状腺素蛋白淀粉样变性的生物标志物	SERUM NEUROFILAMENT LIGHT CHAIN: A PROMISING EARLY DIAGNOSTIC BIOMARKER FOR HEREDITARY TRANSTHYRETIN AMYLOIDOSIS?	ROMANO, A FDN POLICLIN UNIV AGOSTINO GEMELLI IRCCS	EUROPEAN JOURNAL OF NEUROLOGY : - SEP 19 2023	4
108	减轻全球卒中中负担的实用性解决方案：世界卒中组织与柳叶刀神经病学杂志委员会的联合倡议	PRAGMATIC SOLUTIONS TO REDUCE THE GLOBAL BURDEN OF STROKE A WORLD STROKE ORGANIZATION-LANCET NEUROLOGY COMMISSION	FEIGIN, VL AUCKLAND UNIV TECHNOL	LANCET NEUROLOGY 22 (12): 1160-1206 DEC 2023	3

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