



神经科学与行为领域 热点论文

01

2024
3月第1期（总75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2021年8月至2023年8月发表的文章中，在2023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2024年1月11日。

本期发布神经科学与行为领域热点文章106篇，其中首次入榜文章36篇。单篇最高被引548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36篇中单篇最高被引147次的文章是由美国内森·克莱恩精神病学研究所的Ju-Hyun Lee发表的，论文题目为“IFAULTY AUTOLYSOSOME ACIDIFICATION IN ALZHEIMERS DISEASE MOUSE MODELS INDUCES AUTOPHAGIC BUILD-UP OF AB IN NEURONS, YIELDING SENILE PLAQUES”，通过在五种不同的阿尔兹海默症小鼠模型中检测神经元特异性溶酶体自噬探针变化，揭示了神经元中自噬溶酶体酸化发生早于淀粉样沉积过程。

首次入榜文章有：

- 43: 裸盖菇素辅助治疗重度抑郁症的疗效和安全性: 12个月随访;
- 50: 基于结构的非致幻作用的致幻剂类似物的发现;
- 60: 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;
- 75: 楔前叶磁刺激治疗阿尔茨海默病: 一项RCT研究;
- 77: 阿尔兹海默病大脑血管中Medin与 $A\beta$ 共沉积;
- 80: 抗CGRP单克隆抗体治疗的反应预测因素: 一项涵盖864例偏头痛患者的24周、多中心、前瞻性研究;
- 89: 靶向CGRP通路和GEPANTS在偏头痛预防中的安全性和耐受性: 一项系统综述和元分析;
- 95: 偏头痛的全球流行病学及其对公共卫生和健康政策的影响;
- 99: 大脑几何形状约束人脑功能;
- 102: 小鼠视觉皮层中声音诱发活动的行为起源;
- 104: 高性能语音解码和虚拟形象控制神经假肢;

·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1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	548
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	518
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	482
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	425
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	301
6	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	227
7	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	221
8	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	218

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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	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	209
10	人类寿命的脑图	BRAIN CHARTS FOR THE HUMAN LIFESPAN	BETHLEHEM, RAI UNIV CAMBRIDGE	NATURE 604 (7906): 525-+ APR 21 2022	205
11	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	177
12	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	165
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	157
14	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	156
15	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	152
16	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	149
17	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	147
18	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	138

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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
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	136
20	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	132
21	阿尔茨海默病的概率模型: 淀粉样蛋白假说修正	THE PROBABILISTIC MODEL OF ALZHEIMER DISEASE: THE AMYLOID HYPOTHESIS REVISED	FRISONI, GB UNIV GENEVA	NATURE REVIEWS NEUROSCIENCE 23 (1): 53-66 JAN 2022	131
22	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	122
23	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	119
24	小胶质细胞激活的含义: 与神经炎症、内稳态和应激反应相关	THE SEMANTICS OF MICROGLIA ACTIVATION: NEUROINFLAMMATION, HOMEOSTASIS, AND STRESS	WOODBURN, SC UNIV CINCINNATI	JOURNAL OF NEUROINFLAMMATION 18 (1): - NOV 6 2021	119
25	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	117
26	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	113

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27	血浆GFAP作为脑和脊髓疾病的新兴生物标志物	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	110
28	对重度抑郁症、双相情感障碍和精神分裂症观察性研究中肠道菌群组成的综述	A SYSTEMATIC REVIEW OF GUT MICROBIOTA COMPOSITION IN OBSERVATIONAL STUDIES OF MAJOR DEPRESSIVE DISORDER, BIPOLAR DISORDER AND SCHIZOPHRENIA	MCGUINNESS, A. J. DEAKIN UNIV	MOLECULAR PSYCHIATRY 27 (4): 1920-1935 APR 2022	105
29	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	104
30	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	99
31	运动血浆通过凝聚素增强记忆力并抑制大脑炎症	EXERCISE PLASMA BOOSTS MEMORY AND DAMPENS BRAIN INFLAMMATION VIA CLUSTERIN	DE MIGUEL, Z STANFORD UNIV	NATURE 600 (7889): 494-499 DEC 16 2021	97
32	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	92
33	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	89
34	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	87
35	新型AAV变体载体能够通过血液注射突破血脑屏障靶向神经细胞	AAV CAPSID VARIANTS WITH BRAIN-WIDE TRANSGENE EXPRESSION AND DECREASED LIVER TARGETING AFTER INTRAVENOUS DELIVERY IN MOUSE AND MARMOSSET	GOERTSEN, D CALTECH	NATURE NEUROSCIENCE 25 (1): 106-+ JAN 2022	86

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36	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	85
37	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	83
38	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	83
39	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	82
40	意识理论	THEORIES OF CONSCIOUSNESS	SETH, AK UNIV SUSSEX	NATURE REVIEWS NEUROSCIENCE 23 (7): 439-452 JUL 2022	81
41	放疗联合奈伐单抗或替莫唑胺治疗新诊断的非甲基化MGMT启动子启动子状态的胶质母细胞瘤: 一项国际随机III期试验	RADIOTHERAPY COMBINED WITH NIVOLUMAB OR TEMOZOLOMIDE FOR NEWLY DIAGNOSED GLIOBLASTOMA WITH UNMETHYLATED MGMT PROMOTER: AN INTERNATIONAL RANDOMIZED PHASE III TRIAL	OMURO, A YALE SCH MED	NEURO-ONCOLOGY 25 (1): 123-134 JAN 5 2023	78
42	ILAE关于特发性全身性癫痫综合征的定义: ILAE分子病理学和定义工作组的立场声明	ILAE DEFINITION OF THE IDIOPATHIC GENERALIZED EPILEPSY SYNDROMES: POSITION STATEMENT BY THE ILAE TASK FORCE ON NOSOLOGY AND DEFINITIONS	HIRSCH, E STRASBOURG UNIV	EPILEPSIA 63 (6): 1475-1499 JUN 2022	74
43	裸盖菇素辅助治疗重度抑郁症的疗效和安全性: 12个月随访	EFFICACY AND SAFETY OF PSILOCYBIN-ASSISTED TREATMENT FOR MAJOR DEPRESSIVE DISORDER: PROSPECTIVE 12-MONTH FOLLOW-UP	GUKASYAN, N JOHNS HOPKINS UNIV	JOURNAL OF PSYCHOPHARMACOLOGY 36 (2): 151-158 FEB 2022	74
44	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	72

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45	阿尔茨海默病的TAU生物标志物:临床实践和试验	TAU BIOMARKERS IN ALZHEIMERS DISEASE: TOWARDS IMPLEMENTATION IN CLINICAL PRACTICE AND TRIALS	OSSENKOPPELE, R LUND UNIV	LANCET NEUROLOGY 21 (8): 726-734 AUG 2022	64
46	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	63
47	人类海马体未成熟神经元终身存在	MOLECULAR LANDSCAPES OF HUMAN HIPPOCAMPAL IMMATURE NEURONS ACROSS LIFESPAN	ZHOU, Y UNIV PENN	NATURE 607 (7919): 527-+ JUL 21 2022	63
48	多发性硬化症患者致残的原因	HOW PATIENTS WITH MULTIPLE SCLEROSIS ACQUIRE DISABILITY	LUBLIN, FD ICAHN SCH MED MT SINAI	BRAIN 145 (9): 3147-3161 SEP 14 2022	62
49	APOE4通过胆固醇失调损害少突胶质细胞的髓鞘形成	APOE4 IMPAIRS MYELINATION VIA CHOLESTEROL DYSREGULATION IN OLIGODENDROCYTES	BLANCHARD, JW MIT	NATURE 611 (7937): 769-+ NOV 24 2022	62
50	基于结构的非致幻作用的致幻剂类似物的发现	STRUCTURE-BASED DISCOVERY OF NONHALLUCINOGENIC PSYCHEDELIC ANALOGS	CAO, DM CHINESE ACAD SCI, SHANGHAI INST BIOCHEM & CELL BIOL	SCIENCE 375 (6579): 403-+ JAN 28 2022	62
51	具有Lewy病理的脑 α -突触核蛋白聚集的结构	STRUCTURES OF A-SYNUCLEIN FILAMENTS FROM HUMAN BRAINS WITH LEWY PATHOLOGY	YANG, Y MED RES COUNCIL LAB MOL BIOL	NATURE 610 (7933): 791-+ OCT 27 2022	61
52	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 ORGANOID	REVAH, O STANFORD UNIV	NATURE 610 (7931): 319-+ OCT 13 2022	60
53	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	60
54	神经功能障碍的新亚型和机制	FUNCTIONAL NEUROLOGICAL DISORDER: NEW SUBTYPES AND SHARED MECHANISMS	HALLETT, M NINDS	LANCET NEUROLOGY 21 (6): 537-550 JUN 2022	59

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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
55	新冠患者颅内感染的形态学、细胞和分子基础	MORPHOLOGICAL, CELLULAR, AND MOLECULAR BASIS OF BRAIN INFECTION IN COVID-19 PATIENTS	CRUNFLI, F UNIV ESTADUAL CAMPINAS	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 119 (35): - AUG 30 2022	59
56	抑郁症中的小胶质细胞：抑郁症发病机制和治疗概述	MICROGLIA IN DEPRESSION: AN OVERVIEW OF MICROGLIA IN THE PATHOGENESIS AND TREATMENT OF DEPRESSION	WANG, HX CAPITAL MED UNIV	JOURNAL OF NEUROINFLAMMATION 19 (1): - JUN 6 2022	59
57	神经炎症和突触功能障碍中的微生物群落：聚焦阿尔茨海默病	MICROBIOTA IN NEUROINFLAMMATION AND SYNAPTIC DYSFUNCTION: A FOCUS ON ALZHEIMERS DISEASE	BAIRAMIAN, D SORBONNE UNIV	MOLECULAR NEURODEGENERATION 17 (1): - MAR 5 2022	54
58	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	54
59	在应对Tau和Aβ病理作用时，反应性星形胶质细胞同时表现出神经保护性和有害性	REACTIVE ASTROCYTES ACQUIRE NEUROPROTECTIVE AS WELL AS DELETERIOUS SIGNATURES IN RESPONSE TO TAU AND Aβ PATHOLOGY	JIWAJI, Z UNIV EDINBURGH	NATURE COMMUNICATIONS 13 (1): - JAN 10 2022	53
60	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	49
61	MERFISH揭示了人类和小鼠大脑皮层细胞组织的差异	CONSERVATION AND DIVERGENCE OF CORTICAL CELL ORGANIZATION IN HUMAN AND MOUSE REVEALED BY MERFISH	FANG, RX HOWARD HUGHES MED INST SINGH, D	SCIENCE 377 (6601): 56-+ JUL 1 2022	41
62	星形胶质细胞和小胶质细胞作为阿尔茨海默病神经炎症调节因子	ASTROCYTIC AND MICROGLIAL CELLS AS THE MODULATORS OF NEUROINFLAMMATION IN ALZHEIMERS DISEASE	NATL BRAIN RES CTR	JOURNAL OF NEUROINFLAMMATION 19 (1): - AUG 17 2022	41
63	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	40
64	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	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	将神经递质系统映射到人类新皮质的结构和功能组织	MAPPING NEUROTRANSMITTER SYSTEMS TO THE STRUCTURAL AND FUNCTIONAL ORGANIZATION OF THE HUMAN NEOCORTEX	HANSEN, JY MCGILL UNIV	NATURE NEUROSCIENCE 25 (11): 1569-+ NOV 2022	37
66	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	34
67	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	34
68	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	32
69	阿尔茨海默病中的APOE: 病理生理学和治疗策略	APOE IN ALZHEIMERS DISEASE: PATHOPHYSIOLOGY AND THERAPEUTIC STRATEGIES	RAULIN, AC MAYO CLIN	MOLECULAR NEURODEGENERATION 17 (1): - NOV 8 2022	28
70	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	28
71	轻度认知功能障碍和阿尔茨海默病患的磁共振成像指标与淀粉样蛋白沉积和认知表现的关联	ASSOCIATION OF MRI INDICES OF GLYMPHATIC SYSTEM WITH AMYLOID DEPOSITION AND COGNITION IN MILD COGNITIVE IMPAIRMENT AND ALZHEIMER DISEASE	KAMAGATA, K JUNTENDO UNIV	NEUROLOGY 99 (24): E2648-E2660 DEC 13 2022	28
72	成人自身免疫性脑炎误诊	AUTOIMMUNE ENCEPHALITIS MISDIAGNOSIS IN ADULTS	FLANAGAN, EP MAYO CLIN	JAMA NEUROLOGY : - NOV 28 2022	28
73	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	27
74	脊髓损伤: 2019年全球疾病负担研究的全球发病率、患病率和致残率	SPINAL CORD INJURY: THE GLOBAL INCIDENCE, PREVALENCE, AND DISABILITY FROM THE GLOBAL BURDEN OF DISEASE STUDY 2019	DING, WZ HUAZHONG UNIV SCI & TECHNOL	SPINE 47 (21): 1532-1540 NOV 1 2022	27

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75	楔前叶磁刺激治疗阿尔茨海默病:一项RCT研究	PRECUNEUS MAGNETIC STIMULATION FOR ALZHEIMERS DISEASE: A RANDOMIZED, SHAM-CONTROLLED TRIAL	KOCH, G SANTA LUCIA FDN IRCCS	BRAIN 145 (11): 3776-3786 NOV 21 2022	27
76	癫痫综合征的分类和定义方法: ILAE分类与定义工作组报告	METHODOLOGY FOR CLASSIFICATION AND DEFINITION OF EPILEPSY SYNDROMES WITH LIST OF SYNDROMES: REPORT OF THE ILAE TASK FORCE ON NOSOLOGY AND DEFINITIONS	WIRRELL, EC MAYO CLIN	EPILEPSIA 63 (6): 1333-1348 JUN 2022	26
77	阿尔兹海默病大脑血管中Medin与A β 共沉积	MEDIN CO-AGGREGATES WITH VASCULAR AMYLOID-B IN ALZHEIMERS DISEASE	WAGNER, J GERMAN CTR NEURODEGENERAT DIS DZNE	NATURE 612 (7938): 123-+ DEC 1 2022	24
78	基于生物信息学的失巢凋亡相关基因标志分析可预测低级别胶质瘤患者的预后	A BIOINFORMATICS-BASED ANALYSIS OF AN ANOIKIS-RELATED GENE SIGNATURE PREDICTS THE PROGNOSIS OF PATIENTS WITH LOW-GRADE GLIOMAS	ZHAO, SY NANJING MED UNIV	BRAIN SCIENCES 12 (10): - OCT 2022	24
79	血管旁SPP1蛋白促进阿尔茨海默病小胶质细胞吞噬突触	PERIVASCULAR CELLS INDUCE MICROGLIAL PHAGOCYtic STATES AND SYNAPTIC ENGULFMENT VIA SPP1 IN MOUSE MODELS OF ALZHEIMERS DISEASE	DE SCHEPPER, S UCL	NATURE NEUROSCIENCE 26 (3): 406-+ MAR 2023	21
80	抗CGRP单克隆抗体治疗的反应预测因素: 一项涵盖864例偏头痛患者的24周、多中心、前瞻性研究	PREDICTORS OF RESPONSE TO ANTI-CGRP MONOCLONAL ANTIBODIES: A 24-WEEK, MULTICENTER, PROSPECTIVE STUDY ON 864 MIGRAINE PATIENTS	BARBANTI, P IRCCS SAN RAFFAELE ROMA	JOURNAL OF HEADACHE AND PAIN 23 (1): - DEC 2022	21
81	昆虫的脑连接组学	THE CONNECTOME OF AN INSECT BRAIN	WINDING, M UNIV CAMBRIDGE	SCIENCE 379 (6636): 995-+ MAR 10 2023	21
82	糖尿病视网膜病变中的炎症: 致病机制和治疗的潜在影响	INFLAMMATION IN DIABETIC RETINOPATHY: POSSIBLE ROLES IN PATHOGENESIS AND POTENTIAL IMPLICATIONS FOR THERAPY	TANG, L TONGJI UNIV	NEURAL REGENERATION RESEARCH 18 (5): 976-982 MAY 2023	21
83	致幻剂可直接与BDNF受体TrkB结合	PSYCHEDELICS PROMOTE PLASTICITY BY DIRECTLY BINDING TO BDNF RECEPTOR TRKB	MOLINER, R UNIV HELSINKI	NATURE NEUROSCIENCE 26 (6): 1032-+ JUN 2023	21

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ESI中神经科学与行为领域热点分析

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84	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	20
85	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	20
86	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	20
87	癌症如何通过神经内分泌系统劫持机体的稳态?	HOW CANCER HIJACKS THE BODY'S HOMEOSTASIS THROUGH THE NEUROENDOCRINE SYSTEM	SLOMINSKI, RM UNIV ALABAMA BIRMINGHAM	TRENDS IN NEUROSCIENCES 46 (4): 263-275 APR 2023	19
88	灵长类动物背外侧前额叶皮层的分子和细胞演化	MOLECULAR AND CELLULAR EVOLUTION OF THE PRIMATE DORSOLATERAL PREFRONTAL CORTEX	MA, S YALE SCH MED	SCIENCE 377 (6614): 1511-+ SEP 30 2022	19
89	靶向CGRP通路和GEPANTS在偏头痛预防中的安全性和耐受性: 一项系统综述和元分析	SAFETY AND TOLERABILITY OF MONOCLONAL ANTIBODIES TARGETING THE CGRP PATHWAY AND GEPANTS IN MIGRAINE PREVENTION: A SYSTEMATIC REVIEW AND NETWORK META-ANALYSIS	MESSINA, R IRCCS SAN RAFFAELE SCI INST	CEPHALALGIA 43 (3): - MAR 2023	17
90	EPSTEIN-BARR病毒(EBV)作为多发性硬化症的主要原因: 机制和意义	EPSTEIN-BARR VIRUS AS A LEADING CAUSE OF MULTIPLE SCLEROSIS: MECHANISMS AND IMPLICATIONS	BJORNEVIK, K HARVARD TH CHAN SCH PUBL HLTH	NATURE REVIEWS NEUROLOGY 19 (3): 160- 171 MAR 2023	17
91	脑出血与血肿扩大: 定义、预测因素和预防	INTRACEREBRAL HAEMORRHAGE EXPANSION: DEFINITIONS, PREDICTORS, AND PREVENTION	MOROTTI, A AZIENDA SOCIO SANIT TERR SPEDALI CIVILI	LANCET NEUROLOGY 22 (2): 159-171 FEB 2023	16
92	神经干细胞源性外泌体作为纳米级载体向小鼠缺血性脑卒中模型递送脑源性神经营养因子	NEURAL STEM CELL-DERIVED EXOSOME AS A NANO-SIZED CARRIER FOR BDNF DELIVERY TO A RAT MODEL OF ISCHEMIC STROKE	ZHU, ZH SOUTHEAST UNIV	NEURAL REGENERATION RESEARCH 18 (2): 404- 409 FEB 2023	16

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93	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 : - MAY 1 2023	15
94	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	KRISHNA, S UNIV CALIF SAN FRANCISCO	NATURE 617 (7961): - MAY 18 2023	15
95	偏头痛的全球流行病学及其对公共卫生和健康政策的影响	GLOBAL EPIDEMIOLOGY OF MIGRAINE AND ITS IMPLICATIONS FOR PUBLIC HEALTH AND HEALTH POLICY	STEINER, TJ NORWEGIAN UNIV SCI & TECHNOL	NATURE REVIEWS NEUROLOGY : - JAN 24 2023	14
96	髓鞘功能障碍导致阿尔茨海默病模型中的A β 沉积	MYELIN DYSFUNCTION DRIVES AMYLOID-B DEPOSITION IN MODELS OF ALZHEIMERS DISEASE	DEPP, C MAX PLANCK INST MULTIDISCIPLINARY SCI	NATURE 618 (7964): - JUN 8 2023	14
97	神经多样性视角下的治疗变革	NEURODIVERGENCE-INFORMED THERAPY	CHAPMAN, R SHEFFIELD HALLAM UNIV	DEVELOPMENTAL MEDICINE AND CHILD NEUROLOGY : - SEP 9 2022	14
98	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	NATURE 618 (7963): 126+ JUN 1 2023	14
99	大脑几何形状约束人脑功能	GEOMETRIC CONSTRAINTS ON HUMAN BRAIN FUNCTION	PANG, JC MONASH UNIV	NATURE : - MAY 31 2023	12
100	加拿大安大略省(2001-2019年)大麻合法化与大麻使用、每日大麻使用和相关问题之间的关系	CANNABIS LEGALIZATION AND CANNABIS USE, DAILY CANNABIS USE AND CANNABIS-RELATED PROBLEMS AMONG ADULTS IN ONTARIO, CANADA (2001-2019)	IMTIAZ, S CTR ADDICT & MENTAL HLTH	DRUG AND ALCOHOL DEPENDENCE 244: - MAR 1 2023	12
101	炎症相关的功能和结构失调作为精神病理学通路	INFLAMMATION-RELATED FUNCTIONAL AND STRUCTURAL DYSCONNECTIVITY AS A PATHWAY TO PSYCHOPATHOLOGY	GOLDSMITH, DR EMORY UNIV	BIOLOGICAL PSYCHIATRY 93 (5): 405- 418 MAR 1 2023	11

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102	小鼠视觉皮层中声音诱发活动的行为起源	BEHAVIORAL ORIGIN OF SOUND-EVOKED ACTIVITY IN MOUSE VISUAL CORTEX	BIMBARD, C UCL	NATURE NEUROSCIENCE 26 (2): 251-+ FEB 2023	10
103	单硝酸异山梨酯和西洛他唑治疗对脑小血管病患者的影响：随机临床试验	ISOSORBIDE MONONITRATE AND CILOSTAZOL TREATMENT IN PATIENTS WITH SYMPTOMATIC CEREBRAL SMALL VESSEL DISEASE THE LACUNAR INTERVENTION TRIAL-2 (LACI-2) RANDOMIZED CLINICAL TRIAL	WARDLAW, JM UNIV EDINBURGH	JAMA NEUROLOGY 80 (7): 682-692 JUL 2023	6
104	高性能语音解码和虚拟形象控制神经假肢	A HIGH-PERFORMANCE NEUROPROSTHESIS FOR SPEECH DECODING AND AVATAR CONTROL	METZGER, SL UNIV CALIF SAN FRANCISCO	NATURE : - AUG 23 2023	5
105	阿尔茨海默病中氧化应激先于A β 斑块形成和Tau磷酸化：谷胱甘肽和金属离子的作用	OXIDATIVE STRESS OCCURS PRIOR TO AMYLOID AB PLAQUE FORMATION AND TAU PHOSPHORYLATION IN ALZHEIMERS DISEASE: ROLE OF GLUTATHIONE AND METAL IONS	ROY, RG NATL BRAIN RES CTR	ACS CHEMICAL NEUROSCIENCE 14 (17): 2944-2954 AUG 10 2023	4
106	PLA2G2E介导的脂质代谢触发缺血性脑卒中后自发神经修复	PLA2G2E-MEDIATED LIPID METABOLISM TRIGGERS BRAIN-AUTONOMOUS NEURAL REPAIR AFTER ISCHEMIC STROKE	NAKAMURA, A TOKYO METROPOLITAN INST MED SCI	NEURON 111 (19): 2995-+ OCT 4 2023	3

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