



神经科学与行为领域 热点论文

03

2023
10月第3期（总71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5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12月至2022年12月发表的文章中，在2023年1月和2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5月11日。

本期发布神经科学与行为领域热点文章114篇，其中首次入榜文章39篇。单篇最高被引1632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39篇中单篇最高被引64次的文章是由耶鲁大学Daniel F. Levey发表的，论文题目为“BI-ANCESTRAL DEPRESSION GWAS IN THE MILLION VETERAN PROGRAM AND META-ANALYSIS IN >1.2 MILLION INDIVIDUALS HIGHLIGHT NEW THERAPEUTIC DIRECTIONS”，主要内容为百万退伍军人计划中的双祖先抑郁症全基因组关联研究和超过120万人的元分析。这项研究确定了178种风险变异。这些结果促进了对重度抑郁症生物学的理解，并暗示了新的治疗可能性。

首次入榜文章有：

- 60: 血脑屏障功能障碍加剧了神经炎症的发展：了解脑微血管内皮细胞的细胞事件以预防和治疗血脑屏障功能障碍；
- 72: 小胶质细胞在神经退行性疾病中从m1到m2的表型极化；
- 75: 小胶质细胞Erk-Nrbp1-Creb-BDnf信号在(R)-ketamine的持续抗抑郁作用中的应用；
- 77: 小胶质细胞特异性 α -突触核蛋白的过表达可通过吞噬细胞衰竭和氧化毒性导致严重的多巴胺能神经变性；
- 78: 1990-2019年全球、地区和国家缺血性卒中的负担；
- 92: 脑淀粉样血管病的Boston诊断标准2.0版；
- 95: WHO推出2021中枢神经系统肿瘤分类；
- 98: 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；
- 109: 新冠后遗症的神经生物学；
- 110: 综述新冠病毒相关头痛和先天免疫反应；

·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5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	1632
2	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	570
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	514
4	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	390
5	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	370
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	331
7	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	312
8	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	297

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	英国居民新冠疫苗犹豫	PREDICTORS OF COVID-19 VACCINE HESITANCY IN THE UK HOUSEHOLD LONGITUDINAL STUDY	ROBERTSON, E UNIV GLASGOW	BRAIN BEHAVIOR AND IMMUNITY 94: 41-50 MAY 2021	249
10	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	198
11	全脑关联研究样本量需达数千人才能确保结果可靠	REPRODUCIBLE BRAIN-WIDE ASSOCIATION STUDIES REQUIRE THOUSANDS OF INDIVIDUALS	MAREK, S WASHINGTON UNIV	NATURE 603 (7902): 654-+ MAR 24 2022	194
12	阿尔茨海默症中的 BETA 分泌酶 BACE1	THE BETA-SECRETASE BACE1 IN ALZHEIMERS DISEASE	HAMPEL, H EISAI INC	BIOLOGICAL PSYCHIATRY 89 (8): 745-756 SP. ISS. SI APR 15 2021	180
13	一项元分析表明帕金森病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	171
14	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	170
15	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	168
16	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	154
17	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	153
18	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	152

序号	文章主题	题目	第一作者及其单位	出处	单篇被引
19	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	152
20	美国因新冠或多系统炎症综合征住院的儿童和青少年的神经损害	NEUROLOGIC INVOLVEMENT IN CHILDREN AND ADOLESCENTS HOSPITALIZED IN THE UNITED STATES FOR COVID-19 OR MULTISYSTEM INFLAMMATORY SYNDROME	LAROVERE, KL BOSTON CHILDRENS HOSP	JAMA NEUROLOGY 78 (5): 536-547 MAY 2021	150
21	乙酰胆碱酯酶抑制剂对阿尔茨海默病的疗效	EFFICACY OF ACETYLCHOLINESTERASE INHIBITORS IN ALZHEIMERS DISEASE	MARUCCI, G UNIV CAMERINO	NEUROPHARMACOLOGY 190: - JUN 1 2021	148
22	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	139
23	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	136
24	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	133
25	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	132
26	脑机接口可将脑活动实时转换成文字	HIGH-PERFORMANCE BRAIN-TO-TEXT COMMUNICATION VIA HANDWRITING	WILLETT, FR STANFORD UNIV	NATURE 593 (7858): 249-+ MAY 13 2021	124

ESI中神经科学与行为领域热点分析

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27	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	116
28	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	110
29	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	108
30	MAGNIMS-CMSC-NAIMS关于多发性硬化症患者使用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	107
31	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	107
32	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	106
33	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	103
34	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	102
35	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 NEUROPSYCHOPHARM ACOLOGY 46: 39-48 MAY 2021	101

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36	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	100
37	重新审视神经血管单元	REVISITING THE NEUROVASCULAR UNIT	SCHAEFFER, S WEILL CORNELL MED	NATURE NEUROSCIENCE 24 (9): 1198-1209 SEP 2021	99
38	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	98
39	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	NEUROPSYCHOPHARMACOLOGY 47 (1): 72-89 JAN 2022	91
40	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	88
41	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	87
42	小鼠脑神经炎性星形胶质细胞亚型	NEUROINFLAMMATORY ASTROCYTE SUBTYPES IN THE MOUSE BRAIN	HASEL, P NYU	NATURE NEUROSCIENCE 24 (10): 1475-1487 OCT 2021	87
43	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	77
44	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	74

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45	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	73
46	氯胺酮抗抑郁作用的分子机制	MOLECULAR MECHANISMS UNDERLYING THE ANTIDEPRESSANT ACTIONS OF ARKETAMINE: BEYOND THE NMDA RECEPTOR	WEI, Y CHIBA UNIV	MOLECULAR PSYCHIATRY 27 (1): 559-573 JAN 2022	72
47	8例阿尔茨海默病的淀粉样蛋白- β 42/40试验的头对头比较	HEAD-TO-HEAD COMPARISON OF 8 PLASMA AMYLOID-BETA 42/40 ASSAYS IN ALZHEIMER DISEASE	JANELIDZE, S LUND UNIV	JAMA NEUROLOGY 78 (11): 1375-1382 NOV 2021	71
48	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	71
49	新冠爆发期间的失眠、焦虑和抑郁	INSOMNIA, ANXIETY, AND DEPRESSION DURING THE COVID-19 PANDEMIC: AN INTERNATIONAL COLLABORATIVE STUDY	MORIN, CM UNIV LAVAL	SLEEP MEDICINE 87: 38-45 NOV 2021	70
50	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	69
51	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	68
52	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	67
53	百万退伍军人计划中的双祖先抑郁症全基因组关联研究和超过120万人的元分析指出了新的治疗方向	BI-ANCESTRAL DEPRESSION GWAS IN THE MILLION VETERAN PROGRAM AND META-ANALYSIS IN >1.2 MILLION INDIVIDUALS HIGHLIGHT NEW THERAPEUTIC DIRECTIONS	LEVEY, DF YALE UNIV	NATURE NEUROSCIENCE 24 (7): 954-963 JUL 2021	64
54	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 $A\beta$ 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	64

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	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	63
56	EFGARTIGIMOD药物对全身型重症肌无力患者的安全性、有效性和耐药性实验	SAFETY, EFFICACY, AND TOLERABILITY OF EFGARTIGIMOD IN PATIENTS WITH GENERALISED MYASTHENIA GRAVIS (ADAPT) : A MULTICENTRE, RANDOMISED, PLACEBO-CONTROLLED, PHASE 3 TRIAL	HOWARD, JF UNIV N CAROLINA	LANCET NEUROLOGY 20 (7): 526-536 JUL 2021	61
57	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	60
58	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	57
59	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	56
60	血脑屏障功能障碍加剧了神经炎症的发展:了解脑血管内皮细胞的细胞事件以预防和治疗血脑屏障功能障碍	BLOOD-BRAIN BARRIER DYSFUNCTION AMPLIFIES THE DEVELOPMENT OF NEUROINFLAMMATION: UNDERSTANDING OF CELLULAR EVENTS IN BRAIN MICROVASCULAR ENDOTHELIAL CELLS FOR PREVENTION AND TREATMENT OF BBB DYSFUNCTION	TAKATA, F FUKUOKA UNIV	FRONTIERS IN CELLULAR NEUROSCIENCE 15: - SEP 13 2021	55
61	成人、猕猴和猪的海马体和内嗅细胞的转录组学分类和神经源性轨迹	TRANSCRIPTOMIC TAXONOMY AND NEUROGENIC TRAJECTORIES OF ADULT HUMAN, MACAQUE, AND PIG HIPPOCAMPAL AND ENTORHINAL CELLS	FRANJIC, D YALE SCH MED	NEURON 110 (3): 452-+ FEB 2 2022	55
62	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	55
63	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	54
64	氧化应激在大脑衰老和阿尔茨海默病中的新作用	EMERGING ROLES OF OXIDATIVE STRESS IN BRAIN AGING AND ALZHEIMERS DISEASE	IONESCU-TUCKER, A UNIV CALIF IRVINE	NEUROBIOLOGY OF AGING 107: 86-95 NOV 2021	54

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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	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	54
66	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	53
67	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	52
68	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	48
69	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	48
70	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	48
71	脊髓损伤后的炎症：综述细胞信号和细胞浸润的关键时间线	INFLAMMATION AFTER SPINAL CORD INJURY: A REVIEW OF THE CRITICAL TIMELINE OF SIGNALING CUES AND CELLULAR INFILTRATION	HELLENBRAND, DJ UNIV WISCONSIN	JOURNAL OF NEUROINFLAMMATION 18 (1): - DEC 7 2021	46
72	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	45
73	综述新冠疫情大流行期间酒精和其他物质的使用情况	ALCOHOL AND OTHER SUBSTANCE USE DURING THE COVID-19 PANDEMIC: A SYSTEMATIC REVIEW	ROBERTS, A UNIV LINCOLN	DRUG AND ALCOHOL DEPENDENCE 229: - PART A DEC 1 2021	44
74	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	44

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75	小胶质细胞ERK-NRBP1-CREB-BDNF信号在(R)-KETAMINE的持续抗抑郁作用中的应用	MICROGLIAL ERK-NRBP1-CREB-BDNF SIGNALING IN SUSTAINED ANTIDEPRESSANT ACTIONS OF (R)-KETAMINE	YAO, W JINAN UNIV	MOLECULAR PSYCHIATRY 27 (3): 1618-1629 MAR 2022	38
76	卵泡刺激素阻断改善阿尔兹海默症小鼠的认知能力	FSH BLOCKADE IMPROVES COGNITION IN MICE WITH ALZHEIMERS DISEASE	XIONG, J EMORY UNIV	NATURE 603 (7901): 470-+ MAR 17 2022	38
77	小胶质细胞特异性 α -突触核蛋白的过表达可通过吞噬细胞衰竭和氧化毒性导致严重的多巴胺能神经变性	MICROGLIA-SPECIFIC OVEREXPRESSION OF ALPHA-SYNUCLEIN LEADS TO SEVERE DOPAMINERGIC NEURODEGENERATION BY PHAGOCYTIC EXHAUSTION AND OXIDATIVE TOXICITY	BIDO, S IRCCS SAN RAFFAELE SCI INST	NATURE COMMUNICATIONS 12 (1): - OCT 29 2021	35
78	1990-2019年全球、地区和国家缺血性卒中的负担	GLOBAL, REGIONAL, AND NATIONAL BURDEN OF ISCHEMIC STROKE, 1990-2019	DING, QQ UNIV CHINESE ACAD SCI	NEUROLOGY 98 (3): E279- E290 JAN 18 2022	34
79	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	30
80	年轻小鼠的脑脊液通过FGF17恢复老年小鼠少突胶质细胞形成和记忆	YOUNG CSF RESTORES OLIGODENDROGENESIS AND MEMORY IN AGED MICE VIA FGF17	IRAM, T STANFORD UNIV	NATURE 605 (7910): 509-+ MAY 19 2022	30
81	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	28
82	基于脑电图的网络图论测度的离散情绪状态分类	CLASSIFICATION OF CONTRASTING DISCRETE EMOTIONAL STATES INDICATED BY EEG BASED GRAPH THEORETICAL NETWORK MEASURES	KILIC, B HACETTEPE UNIV	NEUROINFORMATICS 20 (4): 863-877 OCT 2022	28
83	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	28

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84	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	28
85	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	28
86	意识理论	THEORIES OF CONSCIOUSNESS	SETH, AK UNIV SUSSEX	NATURE REVIEWS NEUROSCIENCE 23 (7): 439-452 JUL 2022	27
87	常染色体显性遗传阿尔茨海默病脑脊液中可溶性TREM2及其他生物标志物和认知的关联:一项纵向观察研究	SOLUBLE TREM2 IN CSF AND ITS ASSOCIATION WITH OTHER BIOMARKERS AND COGNITION IN AUTOSOMAL-DOMINANT ALZHEIMERS DISEASE: A LONGITUDINAL OBSERVATIONAL STUDY	MORENAS-RODRIGUEZ GERMAN CTR NEURODEGENERAT DIS	LANCET NEUROLOGY 21 (4): 329-341 APR 2022	26
88	泛凋亡是否存在于脑缺血性损伤中? 源自细胞和啮齿动物实验的证据挖掘	DO PYROPTOSIS, APOPTOSIS, AND NECROPTOSIS (PANOPTOSIS) EXIST IN CEREBRAL ISCHEMIA? EVIDENCE FROM CELL AND RODENT STUDIES	YAN, WT CENT SOUTH UNIV	NEURAL REGENERATION RESEARCH 17 (8): 1761-1768 AUG 2022	25
89	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 25 (1): 157-166 JAN 5 2023	24
90	脊髓小胶质细胞群参与神经病理性疼痛的缓解和复发	A SPINAL MICROGLIA POPULATION INVOLVED IN REMITTING AND RELAPSING NEUROPATHIC PAIN	KOHNO, K KYUSHU UNIV	SCIENCE 376 (6588): 86-+ SP. ISS. SI APR 1 2022	22
91	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	22
92	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	21

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93	猴痘病毒及其神经侵袭潜力综述	AN OVERVIEW OF MONKEYPOX VIRUS AND ITS NEUROINVASIVE POTENTIAL	PASTULA, DM UNIV COLORADO	ANNALS OF NEUROLOGY 92 (4): 527-531 OCT 2022	19
94	新的速效抗抑郁药 ARKETAMINE: 历史回顾和未来方向	ARKETAMINE, A NEW RAPID-ACTING ANTIDEPRESSANT: A HISTORICAL REVIEW AND FUTURE DIRECTIONS	ZHANG, JC JINAN UNIV	NEUROPHARMACOLOGY 218: - NOV 1 2022	18
95	WHO推出2021中枢神经系统肿瘤分类	CLINICAL IMPLICATIONS OF THE 2021 EDITION OF THE WHO CLASSIFICATION OF CENTRAL NERVOUS SYSTEM TUMOURS	HORBINSKI, C NORTHWESTERN UNIV	NATURE REVIEWS NEUROLOGY 18 (9): 515-529 SEP 2022	16
96	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	16
97	面对各种形式的疼痛研究中的种族主义:重构研究设计	CONFRONTING RACISM IN ALL FORMS OF PAIN RESEARCH: REFRAMING STUDY DESIGNS	LETZEN, JE JOHNS HOPKINS UNIV	JOURNAL OF PAIN 23 (6): 893-912 JUN 2022	15
98	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	15
99	FREMANEZUMAB预防高频发作性和慢性偏头痛	FREMANEZUMAB IN THE PREVENTION OF HIGH-FREQUENCY EPISODIC AND CHRONIC MIGRAINE: A 12-WEEK, MULTICENTER, REAL-LIFE, COHORT STUDY (THE FRIEND STUDY)	BARBANTI, P IRCCS SAN RAFFAELE PISANA	JOURNAL OF HEADACHE AND PAIN 23 (1): - DEC 2022	12
100	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	12
101	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	12

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ESI中神经科学与行为领域热点分析

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102	生活在英国的78430名成年人的每日步数和强度与偶发性痴呆的关系	ASSOCIATION OF DAILY STEP COUNT AND INTENSITY WITH INCIDENT DEMENTIA IN 78 430 ADULTS LIVING IN THE UK	CRUZ, BD UNIV SOUTHERN DENMARK	JAMA NEUROLOGY 79 (10): 1059-1063 OCT 2022	11
103	人类大脑 α -突触核蛋白丝结构的LEWY病理学研究	STRUCTURES OF ALPHA-SYNUCLEIN FILAMENTS FROM HUMAN BRAINS WITH LEWY PATHOLOGY	YANG, Y MED RES COUNCIL LAB MOL BIOL	NATURE 610 (7933): 791-+ OCT 27 2022	11
104	缺血再灌注损伤视网膜神经元泛死亡样细胞死亡	PANOPTOSIS-LIKE CELL DEATH IN ISCHEMIA/REPERFUSION INJURY OF RETINAL NEURONS	YAN, WT CENT SOUTH UNIV	NEURAL REGENERATION RESEARCH 18 (2): 357-363 FEB 2023	10
105	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 ORGANOIDs	REVAH, O STANFORD UNIV	NATURE 610 (7931): 319-+ OCT 13 2022	9
106	应用生物-心理-社会医学模式治疗偏头痛:理论基础和临床意义	APPLYING A BIOPSYCHOSOCIAL MODEL TO MIGRAINE: RATIONALE AND CLINICAL IMPLICATIONS	ROSIGNOLI, C UNIV AQUILA	JOURNAL OF HEADACHE AND PAIN 23 (1): - DEC 2022	9
107	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	8
108	星形胶质细胞PIEZO1介导的机械转导决定成人神经发生和认知功能	ASTROCYTIC PIEZO1-MEDIATED MECHANOTRANSDUCTION DETERMINES ADULT NEUROGENESIS AND COGNITIVE FUNCTIONS	CHI, SP TSINGHUA UNIV,	NEURON 111 (18): 2984-+ SEP 21 2022	8
109	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	8
110	综述新冠病毒相关头痛和先天免疫反应	COVID-19-RELATED HEADACHE AND INNATE IMMUNE RESPONSE - A NARRATIVE REVIEW	STRABURZYNSKI, M UNIV WARMIA & MAZURY	NEUROLOGIA I NEUROCHIRURGIA POLSKA 57 (1): 43-52 2023	7

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111	SARS-COV-2通过刺突蛋白激活 NLRP3炎症小体	SARS-COV-2 DRIVES NLRP3 INFLAMMASOME ACTIVATION IN HUMAN MICROGLIA THROUGH SPIKE PROTEIN	ALBORNOZ, EA UNIV QUEENSLAND	MOLECULAR PSYCHIATRY : - NOV 1 2022	6
112	氯胺酮及其代谢物:作为抑郁症新疗法的潜力	KETAMINE AND ITS METABOLITES: POTENTIAL AS NOVEL TREATMENTS FOR DEPRESSION	ZHANG, K ANHUI MED UNIV	NEUROPHARMACOLOGY 222: - JAN 1 2023	5
113	创伤性脑损伤后的认知康复指南:方法、概述和原则	INCOG 2.0 GUIDELINES FOR COGNITIVE REHABILITATION FOLLOWING TRAUMATIC BRAIN INJURY: METHODS, OVERVIEW, AND PRINCIPLES	BAYLEY, MT UNIV HLTH NETWORK	JOURNAL OF HEAD TRAUMA REHABILITATION 38 (1): 7-23 SP. ISS. SI JAN-FEB 2023	5
114	创伤性脑损伤后的认知康复指南 (第五部分):记忆	INCOG 2.0 GUIDELINES FOR COGNITIVE REHABILITATION FOLLOWING TRAUMATIC BRAIN INJURY, PART V: MEMORY	VELIKONJA, D HAMILTON HLTH SCI	JOURNAL OF HEAD TRAUMA REHABILITATION 38 (1): 83-102 SP. ISS. SI JAN-FEB 2023	4

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发布日期：2023年10月18日

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