



神经科学与行为领域 热点论文

06

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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2022年9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4月至2022年4月发表的文章中，在2022年5月和6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2022年9月8日。

本期发布神经科学与行为领域热点文章125篇，其中首次入榜文章39篇。单篇最高被引1129次，最低被引3次。“PREVALENCE OF DEPRESSION, ANXIETY, AND INSOMNIA AMONG HEALTHCARE WORKERS DURING THE COVID-19 PANDEMIC: A SYSTEMATIC REVIEW AND META-ANALYSIS”在本期热点论文数据中被引频次最高，取代了“NEUROLOGIC MANIFESTATIONS OF HOSPITALIZED PATIENTS WITH CORONAVIRUS DISEASE 2019 IN WUHAN, CHINA”的热点榜首地位，热点研究对象由新冠患者逐渐转向了医务工作群体及一般人群。首次入榜的39篇中单篇最高被引103次的文章是由波兰科学院 Agnieszka M. Jurga发表的，论文综述了不同小胶质细胞表型的一般和特征性生物标记物。

首次入榜文章有：

67：人类背外侧前额叶皮层的基因表达空间图谱研究；

68：阿尔茨海默病的线粒体功能障碍和氧化应激反应；

69：帕金森病中肠道菌群、短链脂肪酸、炎症和肠道屏障的关系；

75：7T MRI中多发性硬化铁环病变的长期演变；

77：阿尔茨海默病的淀粉样蛋白-β通路；

80：外伤性脑损伤可引起慢性皮质炎症和小胶质细胞介导的神经功能障碍；

83：CNS 边界区室白细胞的单细胞分析表明 B 细胞及其祖细胞位于非患病脑膜中；

85：老年妇女糖摄入量与阿尔茨海默病患病风险；

93：布鲁顿酪氨酸激酶抑制剂TOLEBRUTINIB对治疗复发型多发性硬化（RMS）的安全性和有效性：一项2B期随机、双盲、安慰剂对照试验；

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 2022年9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	新冠肺炎疫情期间，医务工作者抑郁、焦虑、失眠等患病率	PREVALENCE OF DEPRESSION, ANXIETY, AND INSOMNIA AMONG HEALTHCARE WORKERS DURING THE COVID-19 PANDEMIC: A SYSTEMATIC REVIEW AND META-ANALYSIS	PAPPA, S NA-EVAGGELISMOS HOSPITAL	BRAIN BEHAVIOR AND IMMUNITY 88: 901-907 AUG 2020	1129
2	中国新冠肺炎疫情与一般群体的心理健康水平	A LONGITUDINAL STUDY ON THE MENTAL HEALTH OF GENERAL POPULATION DURING THE COVID-19 EPIDEMIC IN CHINA	WANG, CY HANOI MEDICAL UNIVERSITY	BRAIN BEHAVIOR AND IMMUNITY 87: 40-48 JUL 2020	1031
3	新冠疫情与心理健康	COVID-19 PANDEMIC AND MENTAL HEALTH CONSEQUENCES: SYSTEMATIC REVIEW OF THE CURRENT EVIDENCE	VINDEGAARD, N COPENHAGEN UNIV HOSP	BRAIN BEHAVIOR AND IMMUNITY 89: 531-542 OCT 2020	946
4	新冠的神经学关联	NEUROLOGICAL ASSOCIATIONS OF COVID-19	ELLUL, MA UNIV LIVERPOOL	LANCET NEUROLOGY 19 (9): 767-783 SEP 2020	762
5	新冠病毒对神经系统的影响	NERVOUS SYSTEM INVOLVEMENT AFTER INFECTION WITH COVID-19 AND OTHER CORONAVIRUSES	WU, YS THE FIRST AFFILIATED HOSPITAL OF NANJING MEDICAL UNIVERSIT	BRAIN BEHAVIOR AND IMMUNITY 87: 18-22 JUL 2020	703
6	ARRIVE指南2.0:动物研究报告指南*	THE ARRIVE GUIDELINES 2.0: UPDATED GUIDELINES FOR REPORTING ANIMAL RESEARCH*	DU SERT, NP NC3RS	JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM 40 (9): 1769-1777 SEP 2020	651
7	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	642
8	新冠肺炎疫情期间，医护人员的身心健康状况	A MULTINATIONAL, MULTICENTRE STUDY ON THE PSYCHOLOGICAL OUTCOMES AND ASSOCIATED PHYSICAL SYMPTOMS AMONGST HEALTHCARE WORKERS DURING COVID-19 OUTBREAK	CHEW, NWS NATL UNIV HLTH SYST	BRAIN BEHAVIOR AND IMMUNITY 88: 559-565 AUG 2020	584
9	新冠肺炎疫情期间，武汉医务工作者的心理健康状况	IMPACT ON MENTAL HEALTH AND PERCEPTIONS OF PSYCHOLOGICAL CARE AMONG MEDICAL AND NURSING STAFF IN WUHAN DURING THE 2019 NOVEL CORONAVIRUS DISEASE OUTBREAK: A CROSS-SECTIONAL STUDY	KANG, LJ HUAZHONG UNIVERSITY OF SCIENCE & TECHNOLOGY	BRAIN BEHAVIOR AND IMMUNITY 87: 11-17 JUL 2020	476

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
10	新出现的新冠神经病学谱系:临床、放射学和实验室结果	THE EMERGING SPECTRUM OF COVID-19 NEUROLOGY: CLINICAL, RADIOLOGICAL AND LABORATORY FINDINGS	PATERSON, RW UCL	BRAIN 143: 3104-3120 PART 10 OCT 2020	423
11	国际疼痛研究协会对疼痛定义的修订: 概念、挑战和妥协	THE REVISED INTERNATIONAL ASSOCIATION FOR THE STUDY OF PAIN DEFINITION OF PAIN: CONCEPTS, CHALLENGES, AND COMPROMISES	RAJA, SN JOHNS HOPKINS UNIV	PAIN 161 (9): 1976-1982 SEP 2020	395
12	德国新冠患者的神经病理学	NEUROPATHOLOGY OF PATIENTS WITH COVID-19 IN GERMANY: A POST-MORTEM CASE SERIES	MATSCHKE, J UNIVERSITY OF HAMBURG	LANCET NEUROLOGY 19 (11): 919-929 NOV 2020	389
13	新冠病毒穿过嗅粘膜侵入中枢神经系统	OLFACTORY TRANSMUCOSAL SARS-COV-2 INVASION AS A PORT OF CENTRAL NERVOUS SYSTEM ENTRY IN INDIVIDUALS WITH COVID-19	MEINHARDT, J CHARITE UNIV MED BERLIN	NATURE NEUROSCIENCE 24 (2): 168 FEB 2021	384
14	新冠幸存者的焦虑和抑郁: 炎症和临床预测因素的作用	ANXIETY AND DEPRESSION IN COVID-19 SURVIVORS: ROLE OF INFLAMMATORY AND CLINICAL PREDICTORS	MAZZA, MG OSPED SAN RAFFAELEY	BRAIN BEHAVIOR AND IMMUNITY 89: 594-600 OCT 2020	368
15	定义和调查认知储备, 大脑储备和大脑维护	WHITEPAPER: DEFINING AND INVESTIGATING COGNITIVE RESERVE, BRAIN RESERVE, AND BRAIN MAINTENANCE	STERN, Y COLUMBIA UNIV	ALZHEIMERS & DEMENTIA 16 (9): 1305-1311 SEP 2020	348
16	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	288
17	疫情隔离对意大利民众的睡眠质量、焦虑和心理困扰的影响	THE ENEMY WHO SEALED THE WORLD: EFFECTS QUARANTINE DUE TO THE COVID-19 ON SLEEP QUALITY, ANXIETY, AND PSYCHOLOGICAL DISTRESS IN THE ITALIAN POPULATION	CASAGRANDE, M SAPIENZA UNIVERSITY OF ROME	SLEEP MEDICINE 75: 12-20 NOV 2020	272
18	阿尔茨海默病的神经炎症和小胶质细胞激活	NEUROINFLAMMATION AND MICROGLIAL ACTIVATION IN ALZHEIMER DISEASE: WHERE DO WE GO FROM HERE?	LENG, FD IMPERIAL COLL LONDON	NATURE REVIEWS NEUROLOGY 17 (3): 157-172 MAR 2021	243
19	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	233
20	淀粉样蛋白- β 和TAU蛋白在阿尔茨海默病中的协同作用	SYNERGY BETWEEN AMYLOID-BETA AND TAU IN ALZHEIMERS DISEASE	BUSCHE, MA UCL	NATURE NEUROSCIENCE 23 (10): 1183-1193 OCT 2020	199

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21	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	192
22	来自多系统萎缩症的 α -突触核苷酸丝结构	STRUCTURES OF ALPHA-SYNUCLEIN FILAMENTS FROM MULTIPLE SYSTEM ATROPHY	SCHWEIGHAUSER, M MRC LAB MOL BIOL	NATURE 585 (7825): 464-+ SEP 17 2020	188
23	神经退行性疾病中的神经炎症:小胶质细胞和星形胶质细胞的作用	NEUROINFLAMMATION IN NEURODEGENERATIVE DISORDERS: THE ROLES OF MICROGLIA AND ASTROCYTES	KWON, HS HANYANG UNIV	TRANSLATIONAL NEURODEGENERATION 9 (1): - DEC 26 2020	186
24	抑郁与炎症的双向关系	THE BIDIRECTIONAL RELATIONSHIP OF DEPRESSION AND INFLAMMATION: DOUBLE TROUBLE	BEUREL, E UNIV MIAMI	NEURON 107 (2): 234-256 JUL 22 2020	178
25	成人胶质母细胞瘤:神经肿瘤学会(SNO)和欧洲神经肿瘤学会(EANO)对当前管理和未来方向的共识	GLIOBLASTOMA IN ADULTS: A SOCIETY FOR NEURO-ONCOLOGY (SNO) AND EUROPEAN SOCIETY OF NEURO-ONCOLOGY (EANO) CONSENSUS REVIEW ON CURRENT MANAGEMENT AND FUTURE DIRECTIONS	WEN, PY BRIGHAM & WOMENS HOSP	NEURO-ONCOLOGY 22 (8): 1073-1113 AUG 2020	177
26	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	170
27	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	168
28	全球多发性硬化症的流行率上升	RISING PREVALENCE OF MULTIPLE SCLEROSIS WORLDWIDE: INSIGHTS FROM THE ATLAS OF MS, THIRD EDITION	WALTON, C MULTIPLE SCLEROSIS INT FEDERAT	MULTIPLE SCLEROSIS JOURNAL 26 (14): 1816-1821 DEC 2020	164
29	小胶质细胞对神经元活动的负反馈控制	NEGATIVE FEEDBACK CONTROL OF NEURONAL ACTIVITY BY MICROGLIA	BADIMON, A ICAHN SCH MED MT SINAI	NATURE 586 (7829): 417-+ OCT 15 2020	162
30	新冠对物质使用障碍患者造成的风险和结果:来自美国电子健康记录的分析	COVID-19 RISK AND OUTCOMES IN PATIENTS WITH SUBSTANCE USE DISORDERS: ANALYSES FROM ELECTRONIC HEALTH RECORDS IN THE UNITED STATES	WANG, QQ CASE WESTERN RESERVE UNIV	MOLECULAR PSYCHIATRY 26 (1): 30-39 JAN 2021	161

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31	神经功率谱可被参数化为周期性和非周期性成份	PARAMETERIZING NEURAL POWER SPECTRA INTO PERIODIC AND APERIODIC COMPONENTS	DONOGHUE, T UNIV CALIF SAN DIEGO	NATURE NEUROSCIENCE 23 (12): 1655-U288 DEC 2020	157
32	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	154
33	基于模糊系统的脑疾病预测医学图像处理	FUZZY SYSTEM BASED MEDICAL IMAGE PROCESSING FOR BRAIN DISEASE PREDICTION	HU, MD QINGDAO UNIV	FRONTIERS IN NEUROSCIENCE 15: - JUL 30 2021	149
34	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	148
35	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	139
36	新冠病毒刺突蛋白改变人血脑屏障二维静态和三维微流体体外模型的屏障功能	THE SARS-COV-2 SPIKE PROTEIN ALTERS BARRIER FUNCTION IN 2D STATIC AND 3D MICROFLUIDIC IN-VITRO MODELS OF THE HUMAN BLOOD-BRAIN BARRIER	BUZHIDYGAN, TP TEMPLE UNIV	NEUROBIOLOGY OF DISEASE 146: - DEC 2020	134
37	中枢神经系统炎症中的星形细胞串扰	ASTROCYTE CROSSTALK IN CNS INFLAMMATION	LINNERBAUER, M HARVARD MED SCH	NEURON 108 (4): 608-622 NOV 25 2020	121
38	2019年中国脑卒中统计报告	CHINA STROKE STATISTICS 2019: A 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 5 (3): 211- 239 SEP 2020	120
39	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	111
40	新冠疫情期间, 隔离对中国普通人群心理健康状况的影响	THE IMPACT OF QUARANTINE ON MENTAL HEALTH STATUS AMONG GENERAL POPULATION IN CHINA DURING THE COVID-19 PANDEMIC	WANG, YH PEKING UNIV	MOLECULAR PSYCHIATRY 26 (9): 4813-4822 SEP 2021	110

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41	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	107
42	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	104
43	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 : - JUN 2 2021	103
44	不同小胶质细胞表型的一般和特征性生物标记物	OVERVIEW OF GENERAL AND DISCRIMINATING MARKERS OF DIFFERENTIAL MICROGLIA PHENOTYPES	JURGA, AM POLISH ACAD SCI	FRONTIERS IN CELLULAR NEUROSCIENCE 14: - AUG 6 2020	103
45	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	100
46	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	99
47	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	99
48	基于数字孪生的半监督支持向量机的脑图像融合技术	SEMI-SUPERVISED SUPPORT VECTOR MACHINE FOR DIGITAL TWINS BASED BRAIN IMAGE FUSION	WAN, ZB QINGDAO UNIV	FRONTIERS IN NEUROSCIENCE 15: - JUL 9 2021	98
49	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	97
50	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	96

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
51	血脑屏障完整性的概述	A BLOOD-BRAIN BARRIER OVERVIEW ON STRUCTURE, FUNCTION, IMPAIRMENT, AND BIOMARKERS OF INTEGRITY	KADRY, H TEXAS TECH UNIV	FLUIDS AND BARRIERS OF THE CNS 17 (1): - DEC 18 2020	94
52	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	90
53	对帕金森氏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	87
54	新冠爆发期间的焦虑流行率: 基于社区研究的最新元分析	PREVALENCE OF ANXIETY IN THE COVID-19 PANDEMIC: AN UPDATED META-ANALYSIS OF COMMUNITY-BASED STUDIES	SANTABARBARA, J UNIV ZARAGOZA	PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY 109: - JUL 13 2021	78
55	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	78
56	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	77
57	血浆P-TAU231: 早期阿尔茨海默病病理的新生物标志物	PLASMA P-TAU231: A NEW BIOMARKER FOR INCIPIENT ALZHEIMERS DISEASE PATHOLOGY	ASHTON, NJ UNIV GOTHENBURG	ACTA NEUROPATHOLOGICA 141 (5): 709-724 MAY 2021	76
58	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	75
59	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	73
60	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	71

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61	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	NEUROPHARMACOLOGY 190: - JUN 1 2021	64
62	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	63
63	默认模式网络 (DMN): 特质自我与共享的社交世界相遇的地方	THE DEFAULT MODE NETWORK: WHERE THE IDIOSYNCRATIC SELF MEETS THE SHARED SOCIAL WORLD	YESHURUN, Y TEL AVIV UNIV	NATURE REVIEWS NEUROSCIENCE 22 (3): 181-192 MAR 2021	62
64	新冠爆发期间医护人员的焦虑、抑郁、创伤和睡眠障碍	ANXIETY, DEPRESSION, TRAUMA-RELATED, AND SLEEP DISORDERS AMONG HEALTHCARE WORKERS DURING THE COVID-19 PANDEMIC: A SYSTEMATIC REVIEW AND META-ANALYSIS	MARVALDI, M UNIV PARIS	NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS 126: 252-264 JUL 2021	60
65	ONASEMNOGENE ABPARVOVEC基因治疗2例婴幼儿期脊髓性肌萎缩症患者	ONASEMNOGENE ABEPARVOVEC GENE THERAPY FOR SYMPTOMATIC INFANTILE-ONSET SPINAL MUSCULAR ATROPHY IN PATIENTS WITH TWO COPIES OF SMN2 (STR1VE): AN OPEN-LABEL, SINGLE-ARM, MULTICENTRE, PHASE 3 TRIAL	DAY, JW STANFORD UNIV	LANCET NEUROLOGY 20 (4): 284-293 APR 2021	60
66	新冠爆发期间医护人员中焦虑和抑郁的流行程度	THE PREVALENCE OF ANXIETY AND DEPRESSION AMONG HEALTHCARE WORKERS DURING THE COVID-19 PANDEMIC: AN UMBRELLA REVIEW OF META-ANALYSES	SAHEBI, A SHAHID BEHESHTI UNIV MED SCI	PROGRESS IN NEURO- PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY 107: - APR 20 2021	58
67	人类背外侧前额叶皮层的基因表达空间图谱研究	TRANSCRIPTOME-SCALE SPATIAL GENE EXPRESSION IN THE HUMAN DORSOLATERAL PREFRONTAL CORTEX	MAYNARD, KR JOHNS HOPKINS MED CAMPUS	NATURE NEUROSCIENCE 24 (3): 425-436 MAR 2021	58
68	阿尔茨海默病的线粒体功能障碍和氧化应激反应	MITOCHONDRIAL DYSFUNCTION AND OXIDATIVE STRESS IN ALZHEIMERS DISEASE	MISRANI, A GUANGZHOU UNIV	FRONTIERS IN AGING NEUROSCIENCE 13: - FEB 18 2021	54
69	帕金森病中肠道菌群、短链脂肪酸、炎症和肠道屏障的关系	RELATIONSHIPS OF GUT MICROBIOTA, SHORT-CHAIN FATTY ACIDS, INFLAMMATION, AND THE GUT BARRIER IN PARKINSONS DISEASE	AHO, VTE UNIV HELSINKI	MOLECULAR NEURODEGENERATION 16 (1): - FEB 8 2021	50
70	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	48

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
71	奥克雷单抗治疗多发性硬化症患者对新冠疫苗的体液和T细胞反应	HUMORAL AND T-CELL RESPONSE TO SARS-COV-2 VACCINATION IN PATIENTS WITH MULTIPLE SCLEROSIS TREATED WITH OCRELIZUMAB	BRILL, L HEBREW UNIV JERUSALEM	JAMA NEUROLOGY 78 (12): 1510-1514 DEC 2021	46
72	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	42
73	CBTRUS统计报告:2014-2018年美国确诊原发性脑和其他中枢神经系统肿瘤	CBTRUS STATISTICAL REPORT: 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 23: 1-105 SUPPL. 3 OCT 2021	40
74	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	40
75	7T MRI中多发性硬化铁环病变的长期演变	LONG-TERM EVOLUTION OF MULTIPLE SCLEROSIS IRON RIM LESIONS IN 7 T MRI	DAL-BIANCO, A MED UNIV VIENNA	BRAIN 144 (3): 833-847 MAR 2021	39
76	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	37
77	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	36
78	新冠疫情期间意大利儿童和青少年的睡眠模式变化和障碍	CHANGES IN SLEEP PATTERNS AND DISTURBANCES IN CHILDREN AND ADOLESCENTS IN ITALY DURING THE COVID-19 OUTBREAK	BRUNI, O SAPIENZA UNIV ROME	SLEEP MEDICINE 91: 166-174 MAR 2022	35
79	多发性硬化症等疾病修正疗法与新冠患病严重程度的关系	ASSOCIATIONS OF DISEASE-MODIFYING THERAPIES WITH COVID-19 SEVERITY IN MULTIPLE SCLEROSIS	SIMPSON-YAP, S UNIV MELBOURNE	NEUROLOGY 97 (19): E1870-E1885 NOV 9 2021	34
80	外伤性脑损伤可引起小胶质细胞介导的慢性皮质炎症和神经元功能障碍	TRAUMATIC BRAIN INJURY CAUSES CHRONIC CORTICAL INFLAMMATION AND NEURONAL DYSFUNCTION MEDIATED BY MICROGLIA	WITCHER, KG OHIO STATE UNIV	JOURNAL OF NEUROSCIENCE 41 (7): 1597-1616 FEB 17 2021	34

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81	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 : - MAY 7 2021	33
82	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	33
83	CNS 边界区室白细胞的单细胞分析表明 B 细胞及其祖细胞位于非患病脑膜中	SINGLE-CELL PROFILING OF CNS BORDER COMPARTMENT LEUKOCYTES REVEALS THAT B CELLS AND THEIR PROGENITORS RESIDE IN NON-DISEASED MENINGES	SCHAFFLICK, D UNIV HOSP MUNSTER	NATURE NEUROSCIENCE 24 (9): 1225-1234 SEP 2021	33
84	小鼠大脑皮层细胞多样性的分子逻辑	MOLECULAR LOGIC OF CELLULAR DIVERSIFICATION IN THE MOUSE CEREBRAL CORTEX	DI BELLA, DJ HARVARD UNIV	NATURE 595 (7868): 554-+ JUL 22 2021	33
85	老年妇女糖摄入量与阿尔茨海默病患病风险	DIETARY SUGAR INTAKE AND RISK OF ALZHEIMERS DISEASE IN OLDER WOMEN	LIU, LJ DREXEL UNIV	NUTRITIONAL NEUROSCIENCE : - AUG 3 2021	32
86	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	32
87	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	32
88	新型冠状病毒主蛋白酶 M-PRO 通过裂解脑内皮细胞的 NEMO 引起微血管脑病变	THE SARS-COV-2 MAIN PROTEASE M-PRO CAUSES MICROVASCULAR BRAIN PATHOLOGY BY CLEAVING NEMO IN BRAIN ENDOTHELIAL CELLS	WENZEL, J UNIV LUBECK	NATURE NEUROSCIENCE 24 (11): 1522-1533 NOV 2021	30
89	多发性硬化症中的 B 细胞——从靶向清除到免疫功能重建疗法	B CELLS IN MULTIPLE SCLEROSIS - FROM TARGETED DEPLETION TO IMMUNE RECONSTITUTION THERAPIES	CENCIONI, MT IMPERIAL COLL LONDON	NATURE REVIEWS NEUROLOGY 17 (7): 399-414 JUL 2021	29
90	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	28

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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
91	神经网络智能范式在多阶微分方程数值解中的应用	APPLICATION OF INTELLIGENT PARADIGM THROUGH NEURAL NETWORKS FOR NUMERICAL SOLUTION OF MULTIORDER FRACTIONAL DIFFERENTIAL EQUATIONS	KHAN, NA ABDUL WALI KHAN UNIV	COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE 2022: - JAN 19 2022	26
92	使用不同疾病修正疗法治疗的多发性硬化症患者对接种新冠病毒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	26
93	布鲁顿酪氨酸激酶抑制剂 TOLEBRUTINIB 对治疗复发型多发性硬化 (RMS) 的安全性和有效性: 一项2B期随机、双盲、安慰剂对照试验	SAFETY AND EFFICACY OF TOLEBRUTINIB, AN ORAL BRAIN-PENETRANT BTK INHIBITOR, IN RELAPSING MULTIPLE SCLEROSIS: A PHASE 2B, RANDOMISED, DOUBLE-BLIND, PLACEBO-CONTROLLED TRIAL	REICH, DS NINDS	LANCET NEUROLOGY 20 (9): 729-738 SEP 2021	25
94	青少年大脑认知发展 (ABCD) 研究中的有意义关联	MEANINGFUL ASSOCIATIONS IN THE ADOLESCENT BRAIN COGNITIVE DEVELOPMENT STUDY	DICK, AS FLORIDA INT UNIV	NEUROIMAGE 239: - OCT 1 2021	23
95	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	22
96	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	22
97	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	21
98	在大血管闭塞的脑卒中晚期表现中, 对比非增强CT与增强CT或磁共振成像的选择	NONCONTRAST COMPUTED TOMOGRAPHY VS COMPUTED TOMOGRAPHY PERFUSION OR MAGNETIC RESONANCE IMAGING SELECTION IN LATE PRESENTATION OF STROKE WITH LARGE-VESSEL OCCLUSION	NGUYEN, TN BOSTON UNIV	JAMA NEUROLOGY 79 (1): 22-31 JAN 2022	21
99	噪声性听力减退与耳蜗原发性神经退行性变: 耳蜗外毛细胞减少和单词辨别能力的相关性	PRIMARY NEURAL DEGENERATION IN NOISE-EXPOSED HUMAN COCHLEAS: CORRELATIONS WITH OUTER HAIR CELL LOSS AND WORD-DISCRIMINATION SCORES	WU, PZ MASSACHUSETTS EYE & EAR	JOURNAL OF NEUROSCIENCE 41 (20): 4439-4447 MAY 19 2021	19
100	柠檬籽提取物在活体硫喷妥钠睡眠模型中显示出神经调节活性, 可减少入睡时间, 增加睡眠时长	CITRUS LIMON L. (LEMON) SEED EXTRACT SHOWS NEURO-MODULATORY ACTIVITY IN AN IN VIVO THIOPENTAL-SODIUM SLEEP MODEL BY REDUCING THE SLEEP ONSET AND ENHANCING THE SLEEP DURATION	RAHMAN, MM DAFFODIL INT UNIV	JOURNAL OF INTEGRATIVE NEUROSCIENCE 21 (1): - JAN 28 2022	17

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101	成人、猕猴和猪的海马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	17
102	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	16
103	多发性硬化症患者对新冠疫苗的反应	COVID-19 VACCINE RESPONSE IN PEOPLE WITH MULTIPLE SCLEROSIS	TALLANTYRE, EC CARDIFF UNIV	ANNALS OF NEUROLOGY 91 (1): 89-100 JAN 2022	16
104	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	15
105	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	13
106	人类寿命的脑图	BRAIN CHARTS FOR THE HUMAN LIFESPAN	BETHLEHEM, RAI UNIV CAMBRIDGE	NATURE 604 (7906): 525-+ APR 21 2022	11
107	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	11
108	脑脊液可通过颅骨通道流入颅骨骨髓中	CEREBROSPINAL FLUID REGULATES SKULL BONE MARROW NICHE VIA DIRECT ACCESS THROUGH DURAL CHANNELS	MAZZITELLI, JA WASHINGTON UNIV	NATURE NEUROSCIENCE 25 (5): 555-+ MAY 2022	9
109	抗抑郁药艾司西酞普兰对人类血清素转运体变构抑制的分子机制	MOLECULAR MECHANISM FOR THE ALLOSTERIC INHIBITION OF THE HUMAN SEROTONIN TRANSPORTER BY ANTIDEPRESSANT ESCITALOPRAM	XUE, WW CHONGQING UNIV	ACS CHEMICAL NEUROSCIENCE 13 (3): 340-351 FEB 2 2022	9
110	小胶质细胞对突触可塑性和学习与记忆的调节	MICROGLIA REGULATION OF SYNAPTIC PLASTICITY AND LEARNING AND MEMORY	CORNELL, J WESTERN UNIV HLTH SCI	NEURAL REGENERATION RESEARCH 17 (4): 705-716 APR 2022	8

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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
111	治疗一年后停用靶向CGRP通路的单克隆抗体: 一项观察性纵向队列研究	DISCONTINUING MONOCLONAL ANTIBODIES TARGETING CGRP PATHWAY AFTER ONE-YEAR TREATMENT: AN OBSERVATIONAL LONGITUDINAL COHORT STUDY	VERNIERI, F CAMPUS BIOMED UNIV HOSP	JOURNAL OF HEADACHE AND PAIN 22 (1): - DEC 2021	8
112	2009年和2019年发表的神经科学和精神病学论文分析勾勒出性别差异可能造成的影响	AN ANALYSIS OF NEUROSCIENCE AND PSYCHIATRY PAPERS PUBLISHED FROM 2009 AND 2019 OUTLINES OPPORTUNITIES FOR INCREASING DISCOVERY OF SEX DIFFERENCES	RECHLIN, RK UNIV BRITISH COLUMBIA	NATURE COMMUNICATIONS 13 (1): - APR 19 2022	5
113	GANAXOLONE治疗CDKL5缺乏症的安全性和有效性:来自一项随机的、安慰剂对照的三期试验的双盲期结果	SAFETY AND EFFICACY OF GANAXOLONE IN PATIENTS WITH CDKL5 DEFICIENCY DISORDER: RESULTS FROM THE DOUBLE-BLIND PHASE OF A RANDOMISED, PLACEBO-CONTROLLED, PHASE 3 TRIAL	KNIGHT, EMP CLEVELAND CLIN	LANCET NEUROLOGY 21 (5): 417-427 MAY 2022	5
114	发育中的中枢神经系统的母体代谢编程:代谢和精神疾病的统一通路	MATERNAL METABOLIC PROGRAMMING OF THE DEVELOPING CENTRAL NERVOUS SYSTEM: UNIFIED PATHWAYS TO METABOLIC AND PSYCHIATRIC DISORDERS	LIPPERT, RN GERMAN INST HUMAN NUTR POTSDAM REHBRUCKE	BIOLOGICAL PSYCHIATRY 91 (10): 898-906 MAY 15 2022	5
115	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	5
116	黄芩苷通过PI3K / AKT信号通路减少脊髓损伤后血-脊髓屏障的破坏和细胞凋亡	BAICALIN ATTENUATES BLOOD-SPINAL CORD BARRIER DISRUPTION AND APOPTOSIS THROUGH PI3K/AKT SIGNALING PATHWAY AFTER SPINAL CORD INJURY	ZHAO, R SHAANXI UNIV CHINESE MED	NEURAL REGENERATION RESEARCH 17 (5): 1080-1087 MAY 2022	4
117	RFC1扩增导致运动神经元的病变	MOTOR NEURON PATHOLOGY IN CANVAS DUE TO RFC1 EXPANSIONS	HUIN, V SORBONNE UNIV	BRAIN 145 (6): 2121-2132 JUN 30 2022	4
118	马西替尼治疗进行性多发性硬化症的疗效和安全性: 一项随机、3期临床试验	EFFICACY AND SAFETY OF MASITINIB IN PROGRESSIVE FORMS OF MULTIPLE SCLEROSIS A RANDOMIZED, PHASE 3, CLINICAL TRIAL	VERMERSCH, P UNIV LILLE	NEUROLOGY-NEUROIMMUNOLOGY & NEUROINFLAMMATION 9 (3): - MAY 2022	4
119	石斛碱在阿尔茨海默病中的潜在神经保护作用	POTENTIAL NEUROPROTECTION BY DENDROBIUM NOBILE LINDL ALKALOID IN ALZHEIMERS DISEASE MODELS	LI, DD ZUNYI MED UNIV	NEURAL REGENERATION RESEARCH 17 (5): 972-977 MAY 2022	3
120	基于抗体的PET对 α -突触核蛋白进行体内成像	IN VIVO IMAGING OF ALPHA-SYNUCLEIN WITH ANTIBODY-BASED PET	ROSHANBIN, S UPPSALA UNIV	NEUROPHARMACOLOGY 208: - MAY 1 2022	3

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121	神经炎症、卒中、血脑屏障功能障碍，以及影像诊断	NEUROINFLAMMATION, STROKE, BLOOD-BRAIN BARRIER DYSFUNCTION, AND IMAGING MODALITIES	CANDELARIO-JALIL, E UNIV FLORIDA	STROKE 53 (5): 1473-1486 MAY 2022	3
122	人和小鼠三叉神经节细胞图谱在偏头痛中涉及多种细胞类型	HUMAN AND MOUSE TRIGEMINAL GANGLIA CELL ATLAS IMPLICATES MULTIPLE CELL TYPES IN MIGRAINE	YANG, LT BRIGHAM & WOMENS HOSP	NEURON 110 (11): 1806-+ JUN 1 2022	3
123	人类多巴胺神经元的单细胞基因组分析可识别帕金森病中的选择性退化群体	SINGLE-CELL GENOMIC PROFILING OF HUMAN DOPAMINE NEURONS IDENTIFIES A POPULATION THAT SELECTIVELY DEGENERATES IN PARKINSONS DISEASE		NATURE NEUROSCIENCE 25 (5): 588-+ MAY 2022	3
124	树穿山甲的大脑之杏仁体	THE BRAIN OF THE TREE PANGOLIN (MANIS TRICUSPIS). VII. THE AMYGDALOID BODY	IMAM, A UNIV WITWATERSRAND	JOURNAL OF COMPARATIVE NEUROLOGY : - MAY 14 2022	3
125	脑脊液可进入细菌性脑膜炎小鼠的颅骨骨髓，指导颅造血	CEREBROSPINAL FLUID CAN EXIT INTO THE SKULL BONE MARROW AND INSTRUCT CRANIAL HEMATOPOIESIS IN MICE WITH BACTERIAL MENINGITIS	PULOUS, FE MASSACHUSETTS GEN HOSP	NATURE NEUROSCIENCE 25 (5): 567-+ MAY 2022	3

注：红色字体为首次入榜的热点论文。

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