

# ESI 中心理学及相关领域热点分析

## ——基于 2011 年 11 月更新数据

本期 ESI (Essential Science Indicators) 发布精神病学/心理学领域的热点文章 48 篇, 其中划分了所属研究前沿的有 27 篇 (详见附录 1), 没有划分研究前沿的有 21 篇 (详见附录 2)。神经科学与行为领域的热点文章 50 篇, 其中划分了所属研究前沿的有 35 篇 (详见附录 3), 没有划分研究前沿的有 15 篇 (详见附录 4)。

检索时间是 2011 年 11 月 10-11 日, 数据更新时间为 2011 年 11 月 1 日。

### 1. 精神病/心理学领域热点论文的主题分析

该领域热点论文可总结为 28 个主题 (详细信息见表 1, 按总计被引次数排列)。精神病相关研究除继续讨论长链 omega-3 脂肪酸在预防精神病中的作用以外, 还有 3 篇新入选热点论文, 分别是伦敦大学国王学院 (King's College London) 的 Navari, S 等人发表在 *Psychological medicine* 上的一篇关于抗精神病药物是否影响脑结构的综述, 曼彻斯特大学 (University of Manchester) 研究人员发表在 *The British journal of psychiatry* 上的关于双相障碍和精神分裂症的脑成像研究, 以及一项针对全美国青少年精神疾病的流行病学调查。

精神分裂症依然是研究热点。其中, NIMH 的 Insel, Thomas R. 发表在 *Nature* 上的题为“重新思考精神分裂症 (Rethinking schizophrenia)”的文章本期依然进入高被引行列。另外两篇为新入榜论文, 一篇通过对全基因组关联研究数据进行路径分析, 探查基因在调控精分中的联合作用, 由范德堡大学 (Vanderbilt University) 的 Zhao Zhongming 等人发表在 *Schizophrenia research* 上。另一篇从海马构成 (Hippocampal formation) 角度对海马在精分中的作用进行综述, 由德克萨斯大学西南医学院 (University of Texas Southwestern Medical School) 的 Tamminga, Carol A. 等人发表在 *American journal of psychiatry* 上。

值得一提的是, 有两篇论文单篇引用率较高。5-羟色胺在压力易感性中的作用在本期获得最高引用, 该工作由杜克大学 (Duke University) 的 Avshalom Caspi 等人完成, 发表在 *American journal of psychiatry* 上。G\*Power3.1 作为一种功效分析 (Power analysis) 工具在相关和回归中的应用也是本期的热点主题。

此外，启发式再认、正念心理治疗的效果分析、伊拉克战争参与者精神健康的流行病学调查以及关于创伤后应激障碍筛查量表诊断准确性等的创伤心理学研究、精神动力学心理治疗和基准性胜任力模型等研究方向也在本期进入 ESI 热点论文行列。

ESI 划分出研究前沿的 27 篇文章的题目、被引次数、第一作者、第一机构、来源期刊及研究前沿等详细数据见附录 1；ESI 未给出研究前沿信息的 21 篇文章的题目、被引次数、第一作者、第一机构与来源期刊的数据见附录 2。

表 1: 基于 ESI 2011 年 11 月更新的热点论文分析出的精神病学/心理学领域 28 个研究主题

综合后的研究主题	包含文章篇数	总计被引次数
精神病相关研究：抗精神病药物对脑结构影响的研究综述；双相障碍和精神分裂症中 MRI 研究的元分析；长链 omega-3 脂肪酸在预防精神病中的作用；美国全国青少年精神疾病流行病学调查 (National Comorbidity Survey Replication Adolescent Supplement, NCS-A)	4	131
5-羟色胺转运体基因启动子区变异在压力易感性中的作用	1	86
精神分裂症相关研究：胎儿期感染与精分的发生；从神经发育紊乱角度重新思考精分；基因在调控精分中的联合作用；关于海马在精分中角色的综述	4	81
G*Power3.1: 一种免费功效分析 (Power analysis) 工具在相关和回归分析中的应用	1	73
部分人对环境易感水平更高的可能原因：从表型气质类型 (Phenotypic temperamental characteristics)、内表型特性 (Endophenotypic attributes)、基因功能等方面进行阐述	1	59
启发式再认研究 (Recognition heuristic)：启发式研究进展的综述；启发式再认研究的综述；对人类判断时普遍使用的快速节俭启发式 (Fast-and-frugal heuristics) 进行回顾	3	57
正念心理治疗 (Mindfulness-based therapy) 相关研究：对焦虑和抑郁患者进行治疗的效果值分析；疗效的元分析；抑郁患者缓解期运用该疗法和药物治疗后的复发率比较	3	53
创伤心理学：伊拉克战争参与者心理问题和功能受损的流行病学调查；对创伤后应激障碍筛查量表 (PTSD Checklist, PCL) 诊断准确性的综述；性虐待经历造成受害者神经生物系统的改变	3	45
对 DNA 水平的可塑性进行综述	1	44
精神动力学心理治疗效果的实验综述与分析	1	43
神经发育相关研究：成年脑内神经发生研究的综述；人类甲基化 CPG 结合蛋白 2 (methyl-CpG-binding protein-2; MECP2) 在大脑发育和神经发育紊乱中的角色	2	28

Avon 亲子纵向研究中 (Avon Longitudinal Study of Parents And Children) 被试的流失及对行为障碍预测的影响	1	28
基准性胜任力模型 (Competency benchmarks): 一种在职业发展不同阶段衡量职业心理学中胜任力的模型	1	26
社会心理学中关于催产素 (Oxytocin) 的研究: 在社会团体间冲突调节中的角色; 选择性地提高共情准确性任务 (Empathic-accuracy task) 表现	2	26
提出整合多感官输入与躯体内在表征的认知神经模型	1	23
海马与记忆: 海马-新皮层的交互作用在记忆形成和长期巩固中的可能作用; 通过对海马和内侧颞叶受损的患者进行研究考察海马与久远记忆的关系	2	20
注意与视听觉: 注意与听觉-视觉等多感觉整合之间交互作用的综述; 静眼训练 (Quiet eye-training) 和压力对注意以及视觉运动技能的影响	2	19
抑郁症相关研究: 利用 MRI 考察抑郁患者杏仁核对掩蔽面容的反应与情绪状态和治疗的关系; 对临床和社会心理因素是否可以预测青少年抑郁患者自杀倾向和非自杀性自我伤害进行评估; 重症抑郁药效实验结果数据的探索性分析 (Exploratory analyses)	3	14
发展心理学相关研究: 通过大样本调查研究儿童的自控能力与未来的健康状况、个人财产等的关系; 有关儿童和青少年执行功能 (Executive function, EF) 的理论和方法学问题的综述	2	13
一种对多项式加工树模型 (Multinomial processing tree models) 进行分析的计算机程序	1	12
感知与行为在信息获取中的差异: 不同任务下的注视行为 (Gaze behaviors) 研究的发现	1	10
咨询心理学: 提出咨询效能 (Counseling competence) 的定义和模型; 有关微技能训练 (Microskills approach) 相关模型发展的综述	2	9
奖赏、多巴胺和食物摄取的控制对肥胖症的意义	1	7
对澳大利亚大学心理系研究生临床技能课程设置的调查	1	6
针对 HIV 感染者的咨询和测试对护理与生存的影响	1	4
概述组织科学 (Organizational science) 中归因理论的定义、历史以及研究领域	1	4
I 型糖尿病患者中父母参与 (Parental involvement) 的结构模型与疾病管理的关系	1	4
对猴额极皮层 (Frontal pole cortex) 神经元在编码行为目标及认知加工中作用的相关研究的综述	1	3

## 2. 神经科学与行为领域热点论文的主题分析

该领域的热点论文可以总结为 32 个研究主题（详细信息见表 2，按总计被引次数排列）。总的来说，对各类神经系统疾病的关注保持了比较高的热度。其中，阿尔茨海默症的相关研究在本期获得了最高引用率（149 次）。由华盛顿大学医学院阿尔茨海默症研究中心（Washington University, Alzheimer's Disease Research Center）的 Holtzman, David M. 等人发表在 *Neuron* 上的关于载脂蛋白 E 在其发病中所起作用的工作，单篇被引 110 次（上期是 97 次）。

记忆的相关研究依然是本领域的热点。由欧洲神经科学研究所（European Neuroscience Institute）的 Fischer, Andre 等人主持的一项在小鼠上进行的研究发现记忆的老化与组蛋白乙酰化的改变有关，该文章发表在 *Science* 上，单篇被引 56 次（上期是 43 次）。

本期还有几项新进入热点论文行列的工作值得关注。包括维也纳医科大学（Medical University of Vienna）Lassmann, Hans 等人对水通道蛋白-4 自身抗体在视神经脊髓炎发病中的作用（发表在 *Annals of neurology*）；痛痒觉的相关研究，如痒感觉的细胞基础、针灸镇痛以及伤害性感受器中 II 型囊泡膜谷氨酸转运体在调节痛痒觉中的作用。其中，有关针灸镇痛效用及其安全性的综述由埃克塞特大学（University of Exeter）Edzard Ernst 等人发表在 *Pain* 上。

另外，有关癫痫、弥散性神经胶质瘤、肌萎缩性脊髓侧索硬化症、帕金森氏病、多发性硬化症、实验性自身免疫性脑脊髓炎、脊髓小脑性共济失调、雷特氏综合症、戈谢病和路易体痴呆症等神经系统疾病的研究，在最近两个月也进入高被引行列，研究主题主要涉及致病基因、功能障碍、诊断标准等多个方面。

ESI 划分出研究前沿的 35 篇文章的题目、被引次数、第一作者、第一机构、来源期刊及研究前沿等详细数据见附录 3；ESI 未给出研究前沿信息的 15 篇文章的题目、被引次数、第一作者、第一机构与来源期刊的数据见附录 4。

表 2：基于 ESI 2011 年 11 月更新的热点论文分析出的神经科学与行为领域 32 个研究主题

综合后的研究主题	包含文章篇数	总计被引次数
阿尔茨海默症（Alzheimer's Disease, AD）：载脂蛋白 E 在 AD 中的作用；关于 AD 遗传学研究的综述； $\beta$ -淀粉样蛋白和 tau 蛋白在 AD 发病中的作用	4	149
水通道蛋白-4（Water channel aquaporin-4, AQP4）自身抗体产生与视神经脊髓炎（Neuromyelitis optica, NMO）发病的关	2	133

系		
癫痫 (Epilepsy) 的相关研究: 术语的修改; 病因学分类的综述; 分类的新概念	3	105
弥散性神经胶质瘤: 异柠檬酸脱氢酶 1 (Isocitrate dehydrogenase 1, IDH1) 和异柠檬酸脱氢酶 2 基因突变的类型和频率在疾病中的可能作用	1	100
记忆: 与年龄相关的记忆退化; 皮层甲基化在久远记忆保存中的作用	2	89
痛觉与痒觉 (Itch): 痒觉可能的细胞基础为脊髓中胃泌素释放肽受体 (Gastrin-releasing peptide receptor) 基因表达; 对针灸镇痛的效用及安全性的综述;; 伤害性感受器中 II 型囊泡膜谷氨酸转运体 (VGLUT-2) 在调节痛觉和痒觉中的作用	4	86
睡眠的记忆功能	1	80
突触的功能与可塑性: DNA 甲基化转移酶 Dnmt1 和 Dnmt3a 通过维持 DNA 甲基化调节突触功能; 直接电流刺激 (Direct Current Stimulation) 促进依赖神经生长因子的突触的可塑性改变	2	80
海马: 海马环路中的 GABA 能神经元调制的同步性; 在 Y 型迷宫学习中, 海马-前额叶环路 Theta 震荡的变化以及放电时序的重组	2	79
肌萎缩性脊髓侧索硬化症 (Amyotrophic lateral sclerosis, ALS): 利用外显子组测序 (Exome Sequencing) 对 ALS 的病因进行研究; ALS 中 optineurin 基因的突变	2	77
帕金森氏病 (Parkinson's disease, PD): 基底神经节回路在对 PD 患者运动行为双向调节中的作用; 从遗传学角度研究 PD 的动物模型	2	71
多发性硬化症 (Multiple Sclerosis, MS): MS 中线粒体 DNA 缺失与神经退行性变的关系; 脑静脉功能在 MS 的发生中的作用; MS 诊断标准的修订	4	70
基于 fMRI 的人类脑功能研究	1	68
斑马鱼行为实验在精神药理学方面的应用	1	57
抑郁的药理学: NMDA 受体拮抗剂 (N-methyl-D-aspartic acid) 快速抗抑郁效果可能与依赖雷帕霉素靶蛋白 (Mammalian target of rapamycin, mTOR) 的突触形成有关	1	46
以流产胚胎为材料, 确定室管膜下区 (subventricular zone, SVZ) 外层富含类放射状胶质细胞	1	44
从免疫学角度考察边缘系统脑炎 (Limbic encephalitis)、莫旺氏综合征 (Morvan's syndrome)、获得性神经性肌强直 (Acquired neuromyotonia) 等神经系统疾病	1	37
神经精神疾病的动物模型	1	32
应激相关研究: 慢性应激中的稳态应变负荷模型 (Allostatic load) 及其对健康和认知的影响; 早期应激会传递给后代, 且与表观遗传学改变有关	2	31
对褪黑激素 (Melatonin) 的多种复杂功能进行探讨	1	21
实验性自身免疫性脑脊髓炎 (Experimental autoimmune	1	20

encephalomyelitis, EAE): 中枢神经系统中 T 细胞的渗透以及小神经胶质细胞的活化在 EAE 发生中的作用		
从神经内分泌角度研究应对风格 (Coping style)	1	20
脊髓小脑性共济失调 (Spinocerebellar ataxias, SCA): 利用外显子组测序 (Exome Sequencing) 发现 TGM6 为一种 SCA 新的致病基因	1	13
雷特氏综合症 (Rett Syndrome) 诊断标准的修订与命名	1	13
关于近年来多巴胺参与奖赏及无预期奖赏 (Nonreward) 的研究进展综述	1	13
用多阶段决策任务 (Multistep decision task) 考察基于模型的预测和无模型 (Model-free) 预测的差异	1	8
蛋白质结构域在功能性 NMDA 受体组装成异四聚体中的角色	1	7
利用群组对照研究考察腰椎前路椎体间融合 (Anterior lumbar interbody fusion, ALIF) 术后使用重组人骨形态发生蛋白-2 (Recombinant bone morphogenic protein-2, rhBMP-2) 后逆行性射精 (Retrograde ejaculation) 的发生率	1	6
共核蛋白病 (Synucleinopathy): GBA 基因突变促进 $\alpha$ -共核蛋白 ( $\alpha$ -synuclein) 异常积聚在引发戈谢病 (Gaucher disease)、帕金森氏病和路易体痴呆症 (Lewy body dementia) 中的作用	1	6
鼠胚胎新皮层中一种新的祖细胞 (Progenitor cell) 亚型	1	6
描述与电压门控钾离子通道抗体相关的面部与臂肌张力异常发作 (Faciobrachial dystonic seizures, FBDS)	1	5
有关意识加工 (Conscious processing) 的实验研究和理论模型的综述	1	4

附录 1: 2011 年 11 月更新的 ESI-精神病学/心理学领域近两年热点论文中划分了研究前沿的 27 篇文章

序号	Fronts	Title	Citations	First Author	First Institute	Source
1	SEROTONIN TRANSPORTER GENE (5-HTTLPR);SEROTONIN TRANSPORTER PROMOTER VARIANT (5-HTTLPR); SEROTONIN TRANSPORTER (5-HTTLPR) GENOTYPE; DEPRESSION META-ANALYSIS REVISITED EVIDENCE; GENETIC MODERATION	GENETIC SENSITIVITY TO THE ENVIRONMENT: THE CASE OF THE SEROTONIN TRANSPORTER GENE AND ITS IMPLICATIONS FOR STUDYING COMPLEX DISEASES AND TRAITS	86	CASPI A	Duke Univ	AMER J PSYCHIAT 167 (5): 509-527 MAY 2010
2	DIFFERENTIAL SUSCEPTIBILITY; POSTTRAUMATIC STRESS DISORDER SYMPTOMS; ADULT DEPRESSION FOLLOWING CHILDHOOD MALTREATMENT REPLICATION; SEXUAL ABUSE; CHILDHOOD ABUSE	BEYOND DIATHESIS STRESS: DIFFERENTIAL SUSCEPTIBILITY TO ENVIRONMENTAL INFLUENCES	59	BELSKY J	Birkbeck Univ	PSYCHOL BULL 135 (6): 885-908 NOV 2009
3	CLINICAL PSYCHOSIS ONSET PROGRESIVE PERSISTENT SUBCLINICAL PSYCHOTIC EXPERIENCE OUTCOME EVIDENCE; PSYCHOSIS STUDY; PSYCHOSIS PRONENESS-PERSISTENCE-IMPAIRMENT MODEL; UNTREATED PSYCHOSIS; FIRST PSYCHOSIS	LONG-CHAIN OMEGA-3 FATTY ACIDS FOR INDICATED PREVENTION OF PSYCHOTIC DISORDERS A RANDOMIZED, PLACEBO-CONTROLLED TRIAL	51	AMMING ER GP	Orygen Youth Hlth Res Ctr	ARCH GEN PSYCHIAT 67 (2): 146-154 FEB 2010
4	MATERNAL IMMUNE ACTIVATION FETAL BRAIN DEVELOPMENT INTERLEUKIN-6	PRENATAL INFECTION AND SCHIZOPHRENIA: A REVIEW OF	46	BROWN AS	Columbia Univ	AMER J PSYCHIAT 167 (3):

	ALTERATION; IMMUNE ACTIVATION PRODUCES ADULT PSYCHOPATHOLOGY; PRENATAL INFECTION; PRENATAL INTERACTION; IMMUNE INVOLVEMENT	EPIDEMIOLOGIC AND TRANSLATIONAL STUDIES				261-280 MAR 2010
5	LONG-TERM PSYCHODYNAMIC PSYCHOTHERAPY; RANDOMIZED CONTROLLED TRIALS; QUALITY-BASED REVIEW; EFFECTIVENESS; META-ANALYSIS	THE EFFICACY OF PSYCHODYNAMIC PSYCHOTHERAPY	43	SHEDLER J	Univ Colorado	AMER PSYCHOL 65 (2): 98-109 FEB-MAR 2010
6	BIPOLAR DISORDER; STRUCTURAL MAGNETIC RESONANCE IMAGING; MAJOR DEPRESSIVE DISORDER; 98 STRUCTURAL IMAGING; SCHIZOPHRENIA	MAGNETIC RESONANCE IMAGING STUDIES IN BIPOLAR DISORDER AND SCHIZOPHRENIA: META-ANALYSIS	41	ARNOLD	Univ Manchester	BRIT J PSYCHIAT 195 (3): 194-201 SEP 2009
7	MINDFULNESS-BASED STRESS REDUCTION THERAPY; MINDFULNESS TRAINING MODIFIES SUBSYSTEMS; MINDFULNESS-BASED COGNITIVE THERAPY; MINDFULNESS TRAINING ALTERS; MINDFULNESS-BASED STRESS REDUCTION PROGRAM	THE EFFECT OF MINDFULNESS-BASED THERAPY ON ANXIETY AND DEPRESSION: A META-ANALYTIC REVIEW	30	HOFMAN N SG	Boston Univ	J CONSULT CLIN PSYCHOL 78 (2): 169-183 APR 2010
8	ANTIPSYCHOTIC DRUGS-BRAIN STRUCTURE EFFECTS MRI FINDINGS; STRUCTURAL BRAIN IMAGING EVIDENCE; PROGRESSIVE BRAIN CHANGES; FIRST-EPIISODE	DO ANTIPSYCHOTIC DRUGS AFFECT BRAIN STRUCTURE? A SYSTEMATIC AND CRITICAL REVIEW OF MRI FINDINGS	29	NAVARI S	Kings Coll London	PSYCHOL MED 39 (11): 1763-1777 NOV 2009



	SCHIZOPHRENIA; QUANTITATIVE MAGNETIC RESONANCE IMAGING STUDIES					
9	RECOGNITION HEURISTIC; RECOGNITION JUDGMENTS; MERE RECOGNITION; COLLECTIVE RECOGNITION; RECOGNITION INFORMATION	HOMO HEURISTICUS: WHY BIASED MINDS MAKE BETTER INFERENCES	28	GIGERE NZER G	Max Planck Inst Human Dev	TOP COGN SCI 1 (1): 107-143 JAN 2009
10	MICROSKILLS TRAINING; PROFESSIONAL PSYCHOLOGY; COMPETENCY ASSESSMENT TOOLKIT; COUNSELING COMPETENCE; TRAINING LEVELS	COMPETENCY BENCHMARKS: A MODEL FOR UNDERSTANDING AND MEASURING COMPETENCE IN PROFESSIONAL PSYCHOLOGY ACROSS TRAINING LEVELS	26	FOUAD NA	Univ Wisconsin	TRAIN EDUC PROF PSYCHOL 3 (4): S5-S26 Suppl. S NOV 2009
11	BODY REPRESENTATION; BODY SWAPPING; PRIMARY SOMATOSENSORY CORTEX; SKIN DEEP; NEUROCOGNITIVE MODEL	MY BODY IN THE BRAIN: A NEUROCOGNITIVE MODEL OF BODY-OWNERSHIP	23	TSAKIRI S M	Univ London	NEUROPSYCHOL OGIA 48 (3): 703-712 Sp. Iss. SI FEB 2010
12	RECOGNITION HEURISTIC; RECOGNITION JUDGMENTS; MERE RECOGNITION; COLLECTIVE RECOGNITION; RECOGNITION INFORMATION	FROM RECOGNITION TO DECISIONS: EXTENDING AND TESTING RECOGNITION-BASED MODELS FOR MULTIALTERNATIVE INFERENCE	22	MAREW SKI JN	Max Planck Inst Human Dev	PSYCHONOMIC BULL REV 17 (3): 287-309 JUN 2010
13	MILD TRAUMATIC BRAIN INJURY; MILD TRAUMATIC BRAIN INJURY (CONCUSSION); MILD TRAUMATIC	PREVALENCE OF MENTAL HEALTH PROBLEMS AND FUNCTIONAL IMPAIRMENT AMONG ACTIVE	21	THOMAS JL	US ARMY	ARCH GEN PSYCHIAT 67 (6): 614-623 JUN 2010

	BRAIN INJURY INCURRED; TRAUMATIC BRAIN INJURY SCREENING; PRIMARY CARE POSTTRAUMATIC STRESS DISORDER SCREEN	COMPONENT AND NATIONAL GUARD SOLDIERS 3 AND 12 MONTHS FOLLOWING COMBAT IN IRAQ				
14	OXYTOCIN PROMOTES HUMAN ETHNOCENTRISM; NEUROPEPTIDE OXYTOCIN REGULATES PAROCHIAL ALTRUISM; OXYTOCIN SELECTIVELY IMPROVES EMPATHIC ACCURACY; OXYTOCIN RECEPTOR (OXTR) CONTRIBUTES; OXYTOCIN IMPROVES "MIND-READING"	THE NEUROPEPTIDE OXYTOCIN REGULATES PAROCHIAL ALTRUISM IN INTERGROUP CONFLICT AMONG HUMANS	19	DE DREU CKW	Univ Amsterdam	SCIENCE 328 (5984): 1408-1411 JUN 11 2010
15	SCHIZOPHRENIA; SCHIZOPHRENIA CONCEPT; FACTS" 4; FACTS" 6; FACTS" 5	RETHINKING SCHIZOPHRENIA	17	INSEL TR	NIMH	NATURE 468 (7321): 187-193 NOV 11 2010
16	ADULT NEURAL STEM CELL NICHE CELL LINEAGE PLASTICITY EPHB SIGNALING CONTROL; ADULT SUBVENTRICULAR ZONE NEURAL STEM CELLS; PROSPECTIVELY ISOLATED ADULT NEURAL STEM CELLS; ADULT TLX-POSITIVE NEURAL STEM CELLS	ADULT NEUROGENESIS: INTEGRATING THEORIES AND SEPARATING FUNCTIONS	17	AIMONE JB	Salk Inst Biol Studies	TRENDS COGN SCI 14 (7): 325-337 JUL 2010
17	DIFFERENTIAL SUSCEPTIBILITY; POSTTRAUMATIC STRESS DISORDER SYMPTOMS; ADULT DEPRESSION FOLLOWING CHILDHOOD	ATTENUATION OF CORTISOL ACROSS DEVELOPMENT FOR VICTIMS OF SEXUAL ABUSE	15	TRICKET T PK	Cincinnati Childrens Hosp	DEV PSYCHOPATHOL 22 (1): 165-175 FEB 2010

	MALTREATMENT REPLICATION; SEXUAL ABUSE; CHILDHOOD ABUSE					
18	AUDITORY-VISUAL MULTISENSORY INTERACTIONS; MULTISENSORY INTEGRATION; MULTIFACETED INTERPLAY; ATTENTION; HUMANS	THE MULTIFACETED INTERPLAY BETWEEN ATTENTION AND MULTISENSORY INTEGRATION	14	TALSMA D	Univ Twente	TRENDS COGN SCI 14 (9): 400-410 SEP 2010
19	MINDFULNESS-BASED STRESS REDUCTION THERAPY; MINDFULNESS TRAINING MODIFIES SUBSYSTEMS; MINDFULNESS-BASED COGNITIVE THERAPY; MINDFULNESS TRAINING ALTERS; MINDFULNESS-BASED STRESS REDUCTION PROGRAM	THE EFFECTS OF MINDFULNESS-BASED STRESS REDUCTION THERAPY ON MENTAL HEALTH OF ADULTS WITH A CHRONIC MEDICAL DISEASE: A META-ANALYSIS	13	BOHLM E IJER E	Univ Twente	J PSYCHOSOM RES 68 (6): 539-544 JUN 2010
20	RECOGNITION HEURISTIC; RECOGNITION JUDGMENTS; MERE RECOGNITION; COLLECTIVE RECOGNITION; RECOGNITION INFORMATION	MULTITREE: A COMPUTER PROGRAM FOR THE ANALYSIS OF MULTINOMIAL PROCESSING TREE MODELS	12	MOSHAG EN M	Univ Mannheim	BEHAV RES METHODS 42 (1): 42-54 FEB 2010
21	INDUCED PLURIPOTENT STEM CELLS GENERATED; HUMAN INDUCED PLURIPOTENT STEM CELLS FREE; TRANSGENE-FREE INDUCED PLURIPOTENT MOUSE STEM CELLS; MOUSE INDUCED PLURIPOTENT STEM CELLS; PARKINSON'S DISEASE PATIENT-DERIVED INDUCED	COMMON VARIANTS CONFERRING RISK OF SCHIZOPHRENIA: A PATHWAY ANALYSIS OF GWAS DATA	9	JIA PL	Vanderbilt Univ	SCHIZOPHR RES 122 (1-3): 38-42 SEP 2010

	PLURIPOTENT STEM CELLS FREE					
22	FOOD ADDICTION; FOOD INTAKE; SUGAR ADDICTION; EXCESSIVE SUGAR INTAKE; HIGH-FAT FOOD SEEKING INDUCED	REWARD, DOPAMINE AND THE CONTROL OF FOOD INTAKE: IMPLICATIONS FOR OBESITY	7	VOLKO W ND	Natl Inst Drug Abuse	TRENDS COGN SCI 15 (1): 37-46 JAN 2011
23	OXYTOCIN PROMOTES HUMAN ETHNOCENTRISM; NEUROPEPTIDE OXYTOCIN REGULATES PAROCHIAL ALTRUISM; OXYTOCIN SELECTIVELY IMPROVES EMPATHIC ACCURACY; OXYTOCIN RECEPTOR (OXTR) CONTRIBUTES; OXYTOCIN IMPROVES "MIND-READING"	OXYTOCIN SELECTIVELY IMPROVES EMPATHIC ACCURACY	7	BARTZ JA	Mt Sinai Sch Med	PSYCHOL SCI 21 (10): 1426-1428 OCT 2010
24	RECOGNITION HEURISTIC; RECOGNITION JUDGMENTS; MERE RECOGNITION; COLLECTIVE RECOGNITION; RECOGNITION INFORMATION	RECONSIDERING "EVIDENCE" FOR FAST-AND-FRUGAL HEURISTICS	7	HILBIG BE	Univ Mannheim	PSYCHONOMIC BULL REV 17 (6): 923-930 DEC 2010
25	MICROSKILLS TRAINING; PROFESSIONAL PSYCHOLOGY; COMPETENCY ASSESSMENT TOOLKIT; COUNSELING COMPETENCE; TRAINING LEVELS	BEYOND MICROSKILLS: TOWARD A MODEL OF COUNSELING COMPETENCE	5	RIDLEY CR	Texas A&M Univ	COUNS PSYCHOL 39 (6): 825-864 AUG 2011
26	POTENT ANTIRETROVIRAL THERAPY PROGRAMME HIV-INFECTED PATIENT EARLY LOSS; ANTIRETROVIRAL THERAPY PROGRAMS; ADULTS	LINKAGE TO HIV CARE AND SURVIVAL FOLLOWING INPATIENT HIV COUNSELING AND TESTING	4	WANYEN ZE RK	Makerere Univ	AIDS BEHAV 15 (4): 751-760 MAY 2011

	ACCESSING ANTIRETROVIRAL TREATMENT PROGRAMMES; HIGHLY ACTIVE ANTIRETROVIRAL THERAPY; SUB-SAHARAN AFRICA					
27	MICROSKILLS TRAINING; PROFESSIONAL PSYCHOLOGY; COMPETENCY ASSESSMENT TOOLKIT; COUNSELING COMPETENCE; TRAINING LEVELS	MICROSKILLS TRAINING: EVOLUTION, REEXAMINATION, AND CALL FOR REFORM	4	RIDLEY CR	Texas A&M Univ	COUNS PSYCHOL 39 (6): 800-824 AUG 2011

附录 2: 2011 年 11 月更新的 ESI-精神病学/心理学领域近两年热点论文中未给出研究前沿信息的 21 篇文章

序号	Title	Citations	First Author	First Institute	Source
1	STATISTICAL POWER ANALYSES USING G*POWER 3.1: TESTS FOR CORRELATION AND REGRESSION ANALYSES	73	FAUL F	Univ Mannheim	BEHAV RES METHODS 41 (4): 1149-1160 NOV 2009
2	EPIGENETICS AND THE BIOLOGICAL DEFINITION OF GENE X ENVIRONMENT INTERACTIONS	44	MEANEY MJ	McGill Univ	CHILD DEVELOP 81 (1): 41-79 JAN-FEB 2010
3	SELECTIVE DROP-OUT IN LONGITUDINAL STUDIES AND NON-BIASED PREDICTION OF BEHAVIOUR DISORDERS	28	WOLKE D	Univ Warwick	BRIT J PSYCHIAT 195 (3): 249-256 SEP 2009
4	THE ROLE OF MECP2 IN BRAIN DEVELOPMENT AND NEURODEVELOPMENTAL DISORDERS	11	GONZALES ML	Univ Calif Davis	CURR PSYCHIATRY REP 12 (2): 127-134 APR 2010
5	MEMORY FORMATION AND LONG-TERM RETENTION IN HUMANS AND ANIMALS: CONVERGENCE TOWARDS A TRANSFORMATION ACCOUNT OF HIPPOCAMPAL-NEOCORTICAL INTERACTIONS	10	WINOCUR G	Baycrest Ctr Geriatr Care	NEUROPSYCHOLOGIA 48 (8): 2339-2356 Sp. Iss. SI JUL 2010
6	EXAMINATION OF GAZE BEHAVIORS UNDER IN SITU AND VIDEO SIMULATION TASK CONSTRAINTS REVEALS DIFFERENCES IN INFORMATION PICKUP FOR PERCEPTION AND ACTION	10	DICKS M	German Sport Univ Cologne	ATTEN PERCEPT PSYCHOPHYS 72 (3): 706-720 APR 2010
7	LIFETIME PREVALENCE OF MENTAL DISORDERS IN U.S. ADOLESCENTS: RESULTS FROM THE NATIONAL COMORBIDITY SURVEY REPLICATION-ADOLESCENT SUPPLEMENT (NCS-A)	10	MERIKANGAS KR	NIMH	J AMER ACAD CHILD ADOLESC PSY 49 (10): 980-989 OCT 2010
8	ROLE OF THE HIPPOCAMPUS IN REMEMBERING THE PAST AND IMAGINING THE FUTURE	10	SQUIRE LR	Vet Affairs San Diego Healthcare Syst	PROC NAT ACAD SCI USA 107 (44): 19044-19048 NOV 2 2010
9	ANTIDEPRESSANT MONOTHERAPY VS SEQUENTIAL PHARMACOTHERAPY AND MINDFULNESS-BASED COGNITIVE THERAPY, OR PLACEBO, FOR RELAPSE PROPHYLAXIS IN	10	SEGAL ZV	Ctr Addict & Mental Hlth	ARCH GEN PSYCHIAT 67 (12): 1256-1264 DEC 2010

	RECURRENT DEPRESSION				
10	THE HIPPOCAMPAL FORMATION IN SCHIZOPHRENIA	9	TAMMINGA CA	Univ Texas SW Med Sch	AMER J PSYCHIAT 167 (10): 1178-1193 OCT 2010
11	THE DIAGNOSTIC ACCURACY OF THE PTSD CHECKLIST: A CRITICAL REVIEW	9	MCDONALD SD	Richmond VA Med Ctr	CLIN PSYCHOL REV 30 (8): 976-987 DEC 2010
12	A GRADIENT OF CHILDHOOD SELF-CONTROL PREDICTS HEALTH, WEALTH, AND PUBLIC SAFETY	8	MOFFITT TE	Duke Univ	PROC NAT ACAD SCI USA 108 (7): 2693-2698 FEB 15 2011
13	RELATIONSHIP BETWEEN AMYGDALA RESPONSES TO MASKED FACES AND MOOD STATE AND TREATMENT IN MAJOR DEPRESSIVE DISORDER	7	VICTOR TA	Univ Oklahoma	ARCH GEN PSYCHIAT 67 (11): 1128-1138 NOV 2010
14	SURVEY OF CURRENT CURRICULUM PRACTICES WITHIN AUSTRALIAN POSTGRADUATE CLINICAL TRAINING PROGRAMMES: STUDENTS' AND PROGRAMME DIRECTORS' PERSPECTIVES	6	SCOTT TL	Univ Queensland	AUST PSYCHOL 46 (2): 77-89 Sp. Iss. SI JUN 2011
15	THE INFLUENCE OF QUIET EYE TRAINING AND PRESSURE ON ATTENTION AND VISUO-MOTOR CONTROL	5	VINE SJ	Univ Exeter	ACTA PSYCHOL 136 (3): 340-346 MAR 2011
16	A DEVELOPMENTAL PERSPECTIVE ON EXECUTIVE FUNCTION	5	BEST JR	Univ Georgia	CHILD DEVELOP 81 (6): 1641-1660 NOV-DEC 2010
17	ATTRIBUTION THEORY IN THE ORGANIZATIONAL SCIENCES: A CASE OF UNREALIZED POTENTIAL	4	MARTINKO MJ	Florida State Univ	J ORGAN BEHAV 32 (1): 144-149 JAN 2011
18	CLINICAL AND PSYCHOSOCIAL PREDICTORS OF SUICIDE ATTEMPTS AND NONSUICIDAL SELF-INJURY IN THE ADOLESCENT DEPRESSION ANTIDEPRESSANTS AND PSYCHOTHERAPY TRIAL (ADAPT)	4	WILKINSON P	Univ Cambridge	AMER J PSYCHIAT 168 (5): 495-501 MAY 2011
19	THE STRUCTURE OF PARENTAL INVOLVEMENT AND RELATIONS	4	PALMER DL	Univ Wisconsin	J PEDIAT PSYCHOL 36 (5):

	TO DISEASE MANAGEMENT FOR YOUTH WITH TYPE 1 DIABETES				596-605 Sp. Iss. SI JUN 2011
20	EXPLORATORY ANALYSES OF EFFICACY DATA FROM MAJOR DEPRESSIVE DISORDER TRIALS SUBMITTED TO THE US FOOD AND DRUG ADMINISTRATION IN SUPPORT OF NEW DRUG APPLICATIONS	3	KHIN NA	US FDA	J CLIN PSYCHIAT 72 (4): 464-472 APR 2011
21	FRONTAL POLE CORTEX: ENCODING ENDS AT THE END OF THE ENDBRAIN	3	TSUJIMOTO S	Olschefskie Inst Neurobiol Knowledge	TRENDS COGN SCI 15 (4): 169-176 APR 2011



附录 3: 2011 年 11 月更新的 ESI-神经科学与行为领域近两年热点论文中划分了研究前沿的 35 篇文章

序号	Fronts	Title	Citations	First Author	First Institute	Source
1	APOLIPOPROTEIN E; ALZHEIMER'S DISEASE; AMYLOID BETA PEPTIDE CLEARANCE; APOE ISOFORM-SPECIFIC DISRUPTION; APOE PROMOTES	THE ROLE OF APOLIPOPROTEIN E IN ALZHEIMER'S DISEASE	110	KIM J	Washington Univ	NEURON 63 (3): 287-303 AUG 13 2009
2	DENOVO CYTOGENETICALLY NORMAL ACUTE MYELOID LEUKEMIA IDH1-IDH2 GENE MUTATION IDENTIFICATION; IDH1 R132 MUTATIONS; IDH1 DOMINANTLY INHIBIT IDH1 CATALYTIC ACTIVITY; CYTOGENETICALLY NORMAL ACUTE MYELOID LEUKAEMIA GENOME	TYPE AND FREQUENCY OF IDH1 AND IDH2 MUTATIONS ARE RELATED TO ASTROCYTIC AND OLIGODENDROGLIAL DIFFERENTIATION AND AGE: A STUDY OF 1,010 DIFFUSE GLIOMAS	100	HARTMANN C	Univ Heidelberg	ACTA NEUROPATHOL 118 (4): 469-474 Sp. Iss. 469 OCT 2009
3	ETIOLOGIC CLASSIFICATION; NEW CONCEPTS; REVISED TERMINOLOGY; EPILEPSIES; ILAE COMMISSION	REVISED TERMINOLOGY AND CONCEPTS FOR ORGANIZATION OF SEIZURES AND EPILEPSIES: REPORT OF THE ILAE COMMISSION ON CLASSIFICATION AND TERMINOLOGY, 2005-2009	87	BERG AT	No Illinois Univ	EPILEPSIA 51 (4): 676-685 APR 2010
4	SLOW-WAVE SLEEP PROMPT DECLARATIVE MEMORY	SLEEP THE MEMORY FUNCTION OF SLEEP	80	DIEKELMA NN S	Med Univ Lubeck	NAT REV NEUROSCI 11 (2):

	<p>CONSOLIDATION; SLEEP POTENTIATES MEMORY; SLEEP-DEPENDENT MEMORY CONSOLIDATION; COORDINATED MEMORY REPLAY; MEMORY FUNCTION</p>					114-126 FEB 2010
5	<p>NEUROMYELITIS OPTICA BRAIN LESIONS; AQUAPORIN-4 IMMUNOREACTIVITY DISTINGUISHES NEUROMYELITIS OPTICA; HUMAN COMPLEMENT PRODUCES NEUROMYELITIS OPTICA LESIONS; NEUROMYELITIS OPTICA IGG PREDICTS RELAPSE; NEUROMYELITIS OPTICA IMMUNOGLOBULIN G</p>	<p>NEUROMYELITIS OPTICA: PATHOGENICITY OF PATIENT IMMUNOGLOBULIN IN VIVO</p>	69	BRADL M	Med Univ Vienna	ANN NEUROL 66 (5): 630-643 NOV 2009
6	<p>NEUROMYELITIS OPTICA BRAIN LESIONS; AQUAPORIN-4 IMMUNOREACTIVITY DISTINGUISHES NEUROMYELITIS OPTICA; HUMAN COMPLEMENT PRODUCES NEUROMYELITIS OPTICA LESIONS; NEUROMYELITIS OPTICA IGG PREDICTS RELAPSE; NEUROMYELITIS OPTICA IMMUNOGLOBULIN G</p>	<p>INTRATHECAL PATHOGENIC ANTI-AQUAPORIN-4 ANTIBODIES IN EARLY NEUROMYELITIS OPTICA</p>	64	BENNETT JL	Univ Colorado	ANN NEUROL 66 (5): 617-629 NOV 2009

7	MODIFIED ZEBRAFISH EMBRYOTOXICITY TEST CHEMICAL RELATIVE EMBRYOTOXICITY; ZEBRAFISH BEHAVIORAL PROFILING LINKS DRUGS; ZEBRAFISH EMBRYO TERATOGENICITY ASSAY; ZEBRAFISH (DANIO RERIO)	ZEBRAFISH BEHAVIORAL PROFILING LINKS DRUGS TO BIOLOGICAL TARGETS AND REST/WAKE REGULATION	57	RIHEL J	Harvard Univ	SCIENCE 327 (5963): 348-351 JAN 15 2010
8	HISTONE METHYLATION MEMORY FORMATION REGULATION; DNA REGULATES MEMORY FORMATION; PARKINSON'S DISEASE SUGGEST HOST-TO-GRAFT DISEASE PROPAGATION; HDAC2 NEGATIVELY REGULATES MEMORY FORMATION; ALZHEIMER'S DISEASE MOUSE MODELS	ALTERED HISTONE ACETYLATION IS ASSOCIATED WITH AGE-DEPENDENT MEMORY IMPAIRMENT IN MICE	56	PELEG S	European Neurosci Inst	SCIENCE 328 (5979): 753-756 MAY 7 2010
9	NEUROPATHIC PAIN TRIAD NEURONS-IMMUNE CELLS-GLIA ASSOCIATION; PAIN HYPERSENSITIVITY; NORMAL ACUTE PAIN; CHRONIC PAIN; INFLAMMATORY IMMUNE CELLS	CELLULAR BASIS OF ITCH SENSATION	55	SUN YG	Washington Univ	SCIENCE 325 (5947): 1531-1534 SEP 18 2009
10	HISTONE METHYLATION MEMORY FORMATION REGULATION; DNA REGULATES MEMORY FORMATION; PARKINSON'S DISEASE SUGGEST	DNMT1 AND DNMT3A MAINTAIN DNA METHYLATION AND REGULATE SYNAPTIC	53	FENG J	Univ Calif Los Angeles	NAT NEUROSCI 13 (4): 423-U37 APR 2010

	HOST-TO-GRAFT DISEASE PROPAGATION; HDAC2 NEGATIVELY REGULATES MEMORY FORMATION; ALZHEIMER'S DISEASE MOUSE MODELS	FUNCTION IN ADULT FOREBRAIN NEURONS				
11	TREATMENT-RESISTANT MAJOR DEPRESSION; TREATMENT-RESISTANT BIPOLAR DEPRESSION; TREATMENT-RESISTANT DEPRESSION; TREATMENT-RESISTANT MAJOR DEPRESSIVE DISORDER; MAJOR DEPRESSION DETERMINED	MTOR-DEPENDENT SYNAPSE FORMATION UNDERLIES THE RAPID ANTIDEPRESSANT EFFECTS OF NMDA ANTAGONISTS	46	LI NX	Yale Univ	SCIENCE 329 (5994): 959-964 AUG 20 2010
12	FAT CELL DROSOPHILA TOR-GLIAL INSULIN RELAY QUIESCENT NEUROBLAST REACTIVATION; RESEMBLE PRIMATE OUTER SUBVENTRICULAR ZONE PROGENITORS; DEVELOPING MOUSE NEOCORTEX INDUCE SELF-RENEWING PROGENITORS; MOUSE EMBRYONIC NEOCORTEX	NEUROGENIC RADIAL GLIA IN THE OUTER SUBVENTRICULAR ZONE OF HUMAN NEOCORTEX	44	HANSEN DV	Univ Calif San Francisco	NATURE 464 (7288): 554-561 MAR 25 2010
13	CHRONIC CEREBROSPINAL VENOUS INSUFFICIENCY ENDOVASCULAR TREATMENT PROCEDURE SAFETY;	NO CEREBROCVICAL VENOUS CONGESTION IN PATIENTS WITH MULTIPLE	40	DOEPP F	Humboldt Univ	ANN NEUROL 68 (2): 173-183 AUG 2010

	MULTIPLE SCLEROSIS ONSET; NO CEREBROCVICAL VENOUS CONGESTION; CEREBRAL DOPPLER VENOUS HAEMODYNAMICS; ABNORMAL CRANIAL VENOUS DRAINAGE	SCLEROSIS				
14	HIGH-PERFORMANCE GENETICALLY TARGETABLE OPTICAL NEURAL SILENCING LIGHT-DRVEN PROTON PUMP METHOD; DOPAMINE NEURONS PROVIDES SELECTIVE ASSESSMENT; HABENULA "CHOLINERGIC" NEURONS CORELEASE GLUTAMATE; GENETICALLY TARGETED OPTICAL CONTROL; NEURONS IN-VIVO	REGULATION OF PARKINSONIAN MOTOR BEHAVIOURS BY OPTOGENETIC CONTROL OF BASAL GANGLIA CIRCUITRY	39	KRAVITZ AV	Gladstone Inst Neurol Dis	NATURE 466 (7306): 622-U7 JUL 29 2010
15	LIMBIC ENCEPHALITIS SYNAPTIC RECEPTOR LOCATION; PARANEOPLASTIC ANTI-N-METHYL-D-ASPARTATE RECEPTOR ENCEPHALITIS ASSOCIATED; FACIOBRACHIAL DYSTONIC SEIZURES PRECEDE LGI1 ANTIBODY LIMBIC ENCEPHALITIS	ANTIBODIES TO KV1 POTASSIUM CHANNEL-COMPLEX PROTEINS LEUCINE-RICH, GLIOMA INACTIVATED 1 PROTEIN AND CONTACTIN-ASSOCIATED PROTEIN-2 IN LIMBIC ENCEPHALITIS, MORVAN'S SYNDROME AND ACQUIRED	37	IRANI SR	Univ Oxford	BRAIN 133: 2734-2748 Part 9 SEP 2010

		NEUROMYOTONIA				
16	HISTONE METHYLATION MEMORY FORMATION REGULATION; DNA REGULATES MEMORY FORMATION; PARKINSON'S DISEASE SUGGEST HOST-TO-GRAFT DISEASE PROPAGATION; HDAC2 NEGATIVELY REGULATES MEMORY FORMATION; ALZHEIMER'S DISEASE MOUSE MODELS	CORTICAL DNA METHYLATION MAINTAINS REMOTE MEMORY	33	MILLER CA	Scripps Inst	NAT NEUROSCI 13 (6): 664-666 JUN 2010
17	TREATMENT-RESISTANT MAJOR DEPRESSION; TREATMENT-RESISTANT BIPOLAR DEPRESSION; TREATMENT-RESISTANT DEPRESSION; TREATMENT-RESISTANT MAJOR DEPRESSIVE DISORDER; MAJOR DEPRESSION DETERMINED	ANIMAL MODELS OF NEUROPSYCHIATRIC DISORDERS	32	NESTLER EJ	Mt Sinai Sch Med	NAT NEUROSCI 13 (10): 1161-1169 OCT 2010
18	DAILY LEFT PREFRONTAL TRANSCRANIAL MAGNETIC STIMULATION THERAPY; TRANSCRANIAL DIRECT CURRENT STIMULATION; SEQUENTIAL BILATERAL REPETITIVE TRANSCRANIAL MAGNETIC	DIRECT CURRENT STIMULATION PROMOTES BDNF-DEPENDENT SYNAPTIC PLASTICITY: POTENTIAL IMPLICATIONS FOR MOTOR LEARNING	27	FRITSCH B	NINDS	NEURON 66 (2): 198-204 APR 29 2010

	STIMULATION; INCLUDE REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION (RTMS)					
19	LOW-FREQUENCY NEURONAL OSCILLATIONS; NEURONAL GAMMA-BAND SYNCHRONIZATION; GAMMA OSCILLATIONS ROUTES FLOW; EEG ALPHA OSCILLATIONS; COHERENT THETA OSCILLATIONS	COHERENT THETA OSCILLATIONS AND REORGANIZATION OF SPIKE TIMING IN THE HIPPOCAMPAL-PREFRONTAL NETWORK UPON LEARNING	25	BENCHENA NE K	Univ Paris 06	NEURON 66 (6): 921-936 JUN 24 2010
20	ALZGENE DATABASE ALZHEIMER DISEASE GENETIC ASSOCIATION SYSTEMATIC META-ANALYSES; ALZHEIMER DISEASE RISK LOCI; SPORADIC LATE-ONSET ALZHEIMER'S DISEASE; EXPLAINING ALZHEIMER DISEASE; GENETIC LOCI ASSOCIATED	THE GENETICS OF ALZHEIMER DISEASE: BACK TO THE FUTURE	23	BERTRAM L	Max Planck Inst Mol Genet	NEURON 68 (2): 270-281 OCT 21 2010
21	PATHOLOGICAL TDP-43 SPORADIC AMYOTROPHIC LATERAL SCLEROSIS SOD1 MUTATION DISTINGUISHING METHOD; CHROMOSOME 16 CAUSE FAMILIAL AMYOTROPHIC LATERAL SCLEROSIS; CAUSE FAMILIAL AMYOTROPHIC LATERAL SCLEROSIS TYPE 6; AMYOTROPHIC LATERAL	EXOME SEQUENCING REVEALS VCP MUTATIONS AS A CAUSE OF FAMILIAL ALS	22	JOHNSON JO	NIA	NEURON 68 (5): 857-864 DEC 9 2010

	SCLEROSIS (ALS)					
22	MELATONIN METABOLITE; ANTIOXIDANT ACTIVITY; OH RADICAL SCAVENGING ACTIVITY; CLINICAL TRIALS; OXIDATIVE STRESS	MELATONIN: A MULTITASKING MOLECULE	21	REITER RJ	Univ Texas Hlth Sci Ctr San Antonio	PROG BRAIN RES 181: 127-151 2010
23	ANIMAL PERSONALITY TRAITS-LIFE-HISTORY PRODUCTIVITY LINKED ASSOCIATION; WILD ANIMAL POPULATIONS; RAPID CLIMATE CHANGE; WILD BIRD POPULATION; INTEGRATING ANIMAL TEMPERAMENT	NEUROENDOCRINOLOGY OF COPING STYLES: TOWARDS UNDERSTANDING THE BIOLOGY OF INDIVIDUAL VARIATION	20	KOOLHAAS JM	Univ Groningen	FRONT NEUROENDOCRI NOL 31 (3): 307-321 JUL 2010
24	CHRONIC CEREBROSPINAL VENOUS INSUFFICIENCY ENDOVASCULAR TREATMENT PROCEDURE SAFETY; MULTIPLE SCLEROSIS ONSET; NO CEREBROCERVICAL VENOUS CONGESTION; CEREBRAL DOPPLER VENOUS HAEMODYNAMICS; ABNORMAL CRANIAL VENOUS DRAINAGE	NO EVIDENCE OF CHRONIC CEREBROSPINAL VENOUS INSUFFICIENCY AT MULTIPLE SCLEROSIS ONSET	14	BARACCHI NI C	Univ Padua	ANN NEUROL 69 (1): 90-99 JAN 2011
25	NEGATIVE MOTIVATIONAL SIGNALS; NEGATIVE REWARD SIGNALS; DOPAMINE NEURON DISTINCTLY	DOPAMINE IN MOTIVATIONAL CONTROL: REWARDING, AVERSIVE,	13	BROMBERG -MARTIN ES	NEI	NEURON 68 (5): 815-834 DEC 9 2010



	CONVEY POSITIVE; DOPAMINE NEURONS; MOTIVATIONAL CONTROL	AND ALERTING				
26	ETIOLOGIC CLASSIFICATION; NEW CONCEPTS; REVISED TERMINOLOGY; EPILEPSIES; ILAE COMMISSION	THE ETIOLOGIC CLASSIFICATION OF EPILEPSY	10	SHORVON SD	Natl Hosp Neurol & Neurosurg	EPILEPSIA 52 (6): 1052-1057 JUN 2011
27	HISTONE METHYLATION MEMORY FORMATION REGULATION; DNA REGULATES MEMORY FORMATION; PARKINSON'S DISEASE SUGGEST HOST-TO-GRAFT DISEASE PROPAGATION; HDAC2 NEGATIVELY REGULATES MEMORY FORMATION; ALZHEIMER'S DISEASE MOUSE MODELS	AMYLOID-BETA AND TAU - A TOXIC PAS DE DEUX IN ALZHEIMER'S DISEASE	9	ITTNER LM	Univ Sydney	NAT REV NEUROSCI 12 (2): 67-72 FEB 2011
28	MRI CRITERIA; DIAGNOSTIC CRITERIA; MCDONALD CRITERIA; CLINICALLY ISOLATED SYNDROMES; MULTIPLE SCLEROSIS	DIAGNOSTIC CRITERIA FOR MULTIPLE SCLEROSIS: 2010 REVISIONS TO THE MCDONALD CRITERIA	9	POLMAN CH	VU Med Ctr Amsterdam	ANN NEUROL 69 (2): 292-302 FEB 2011
29	REINFORCEMENT LEARNING MODELS; STRIATAL PREDICTION ERRORS; NEUROLOGICAL DISORDERS; MODEL-BASED INFLUENCES; HUMANS' CHOICES	MODEL-BASED INFLUENCES ON HUMANS' CHOICES AND STRIATAL PREDICTION ERRORS	8	DAW ND	NYU	NEURON 69 (6): 1204-1215 MAR 24 2011
30	ETIOLOGIC CLASSIFICATION; NEW CONCEPTS; REVISED TERMINOLOGY;	NEW CONCEPTS IN CLASSIFICATION OF THE	8	BERG AT	No Illinois Univ	EPILEPSIA 52 (6): 1058-1062 JUN

	EPILEPSIES; ILAE COMMISSION	EPILEPSIES: ENTERING THE 21ST CENTURY				2011
31	MULTIPLE SCLEROSIS PATHOGENESIS; MULTIPLE SCLEROSIS DISTRIBUTION; MITOCHONDRIAL DNA DELETIONS; NEWLY FORMING LESIONS; RADICAL CHANGES	MITOCHONDRIAL DNA DELETIONS AND NEURODEGENERATION IN MULTIPLE SCLEROSIS	7	CAMPBELL GR	Newcastle Univ	ANN NEUROL 69 (3): 481-492 MAR 2011
32	NMDA RECEPTOR GLUN2A SUBUNIT N-TERMINAL DOMAIN; GLUTAMATE RECEPTOR ION CHANNEL GLUK3; GLUTAMATE RECEPTOR ION CHANNELS; NMDA RECEPTOR SUBUNITS; FUNCTIONAL NMDA RECEPTORS	SEPARATION OF DOMAIN CONTACTS IS REQUIRED FOR HETEROTETRAMERIC ASSEMBLY OF FUNCTIONAL NMDA RECEPTORS	7	FARINA AN	Univ Calif San Diego	J NEUROSCI 31 (10): 3565-3579 MAR 9 2011
33	ANTERIOR LUMBAR INTERBODY FUSION; SPINAL FUSION PROCEDURES; COHORT CONTROLLED STUDY; HOSPITAL CHARGES ASSOCIATED; BONE-MORPHOGENETIC PROTEINS	RETROGRADE EJACULATION AFTER ANTERIOR LUMBAR INTERBODY FUSION USING RHBMP-2: A COHORT CONTROLLED STUDY	6	CARRAGEE EJ	Stanford Univ	SPINE J 11 (6): 511-516 JUN 2011
34	FAT CELL DROSOPHILA TOR-GLIAL INSULIN RELAY QUIESCENT NEUROBLAST REACTIVATION; RESEMBLE PRIMATE OUTER SUBVENTRICULAR ZONE	A NEW SUBTYPE OF PROGENITOR CELL IN THE MOUSE EMBRYONIC NEOCORTEX	6	WANG XQ	Univ Calif San Francisco	NAT NEUROSCI 14 (5): 555-561 MAY 2011

	PROGENITORS; DEVELOPING MOUSE NEOCORTEX INDUCE SELF-RENEWING PROGENITORS; MOUSE EMBRYONIC NEOCORTEX					
35	LIMBIC ENCEPHALITIS SYNAPTIC RECEPTOR LOCATION; PARANEOPLASTIC ANTI-N-METHYL-D-ASPARTATE RECEPTOR ENCEPHALITIS ASSOCIATED; FACIOBRACHIAL DYSTONIC SEIZURES PRECEDE LGI1 ANTIBODY LIMBIC ENCEPHALITIS	FACIOBRACHIAL DYSTONIC SEIZURES PRECEDE LGI1 ANTIBODY LIMBIC ENCEPHALITIS	5	IRANI SR	John Radcliffe Hosp	ANN NEUROL 69 (5): 892-900 MAY 2011

附录 4: 2011 年 11 月更新的 ESI-神经科学与行为领域近两年热点论文中未给出研究前沿的 15 篇文章

序号	Title	Citations	First Author	First Institute	Source
1	TOWARD DISCOVERY SCIENCE OF HUMAN BRAIN FUNCTION	68	BISWAL BB	NYU	PROC NAT ACAD SCI USA 107 (10): 4734-4739 MAR 9 2010
2	MUTATIONS OF OPTINEURIN IN AMYOTROPHIC LATERAL SCLEROSIS	55	MARUYAMA H	Hiroshima Univ	NATURE 465 (7295): 223-U109 MAY 13 2010
3	GABAERGIC HUB NEURONS ORCHESTRATE SYNCHRONY IN DEVELOPING HIPPOCAMPAL NETWORKS	54	BONIFAZI P	Univ Aix Marseille 2	SCIENCE 326 (5958): 1419-1424 DEC 4 2009
4	GENETIC ANIMAL MODELS OF PARKINSON'S DISEASE	32	DAWSON TM	Johns Hopkins Univ	NEURON 66 (5): 646-661 JUN 10 2010
5	INFILTRATION OF TH1 AND TH17 CELLS AND ACTIVATION OF MICROGLIA IN THE CNS DURING THE COURSE OF EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS	20	MURPHY AC	Trinity Coll Dublin	BRAIN BEHAV IMMUN 24 (4): 641-651 MAY 2010
6	ALLOSTATIC LOAD BIOMARKERS OF CHRONIC STRESS AND IMPACT ON HEALTH AND COGNITION	16	JUSTER RP	McGill Univ	NEUROSCI BIOBEHAV REV 35 (1): 2-16 Sp. Iss. SI SEP 2010
7	EPIGENETIC TRANSMISSION OF THE IMPACT OF EARLY STRESS ACROSS GENERATIONS	15	FRANKLIN TB	Univ Zurich	BIOL PSYCHIAT 68 (5): 408-415 SEP 1 2010
8	RETT SYNDROME: REVISED DIAGNOSTIC CRITERIA AND NOMENCLATURE	13	NEUL JL	Baylor Coll Med	ANN NEUROL 68 (6): 944-950 DEC 2010

9	VGLUT2-DEPENDENT SENSORY NEURONS IN THE TRPV1 POPULATION REGULATE PAIN AND ITCH	13	LAGERSTROM MC	Uppsala Univ	NEURON 68 (3): 529-542 NOV 4 2010
10	TGM6 IDENTIFIED AS A NOVEL CAUSATIVE GENE OF SPINOCEREBELLAR ATAXIAS USING EXOME SEQUENCING	13	WANG JL	Cent S Univ	BRAIN 133: 3510-3518 Part 12 DEC 2010
11	VGLUT2-DEPENDENT GLUTAMATE RELEASE FROM NOCICEPTORS IS REQUIRED TO SENSE PAIN AND SUPPRESS ITCH	11	LIU Y	Harvard Univ	NEURON 68 (3): 543-556 NOV 4 2010
12	ACUPUNCTURE: DOES IT ALLEVIATE PAIN AND ARE THERE SERIOUS RISKS? A REVIEW OF REVIEWS	7	ERNST E	Univ Exeter	PAIN 152 (4): 755-764 APR 2011
13	SOLUBLE AMYLOID BETA-PROTEIN DIMERS ISOLATED FROM ALZHEIMER CORTEX DIRECTLY INDUCE TAU HYPERPHOSPHORYLATION AND NEURITIC DEGENERATION	7	JIN M	Brigham & Womens Hosp	PROC NAT ACAD SCI USA 108 (14): 5819-5824 APR 5 2011
14	ACID BETA-GLUCOSIDASE MUTANTS LINKED TO GAUCHER DISEASE, PARKINSON DISEASE, AND LEWY BODY DEMENTIA ALTER ALPHA-SYNUCLEIN PROCESSING	6	CULLEN V	Univ Ottawa	ANN NEUROL 69 (6): 940-953 JUN 2011
15	EXPERIMENTAL AND THEORETICAL APPROACHES TO CONSCIOUS PROCESSING	4	DEHAENE S	INSERM	NEURON 70 (2): 200-227 APR 28 2011