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等离子体所一论文被汤姆森路透基本科学指标评为快速突破性论文

2016-11-14 | 作者：文/程军莉 图/孙玉兵 | 点击： | 【大 中 小】 【打印】 【关闭】

近期，汤姆森-路透科技公司的基本科学指标(Essential Science Indicators-ESI)公布了最新的热点论文(latest hot papers)和快速突破性论文(Fast Breaking Papers)。其中，等离子体所孙玉兵副研究员在放射性核素吸附研究中取得突破，通过宏观吸附、微观表征和表面络合模型系统研究铀(U(VI))和钷(Eu(III))在粘土矿物表面的作用机理，文章(The retention of uranium and europium onto sepiolite investigated by macroscopic, spectroscopic and modeling techniques)被ESI评为地学领域内的Fast Breaking Paper (快速突破性的论文)。

据悉，汤姆森-路透的科技专家会依据ESI数据分析统计系统，对近期取得显著进展或具有特别影响的科研领域进行引用分析和评价，一般每两个月对当前引文数据进行更新，包括新进入前1%的论文。据统计，在2006年1月-2016年6月，共有2750篇热点论文，其中948篇是新进入的热点论文。科学观察(Science Watch)每两个月从各个科学领域中选择一篇引用率最高的论文作为快速突破性论文(Fast Breaking Papers)。孙玉兵近五年来在国际重要期刊上发表了40多篇SCI论文，其中以第一/通讯作者在《环境科学与技术》(Environmental Science & Technology, 5篇)，《地球化学与宇宙化学通报》(Geochimica et Cosmochimica Acta, 3篇)和《环境科学：纳米》(Environmental Science: Nano, 2篇)发表SCI论文38篇。目前这些论文被SCI引用超过1300多次，H因子：19。其中，12篇论文被ESI评为该领域前1%的高被引论文，而且还有9篇被ESI评为近期的热点论文。

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New Hot Papers in Essential Science Indicators

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Every two months, Essential Science IndicatorsSM (ESI) from Clarivate Analytics updates with new data, including the latest New Hot Papers. These are papers published in the past two years that are in the top one-tenth of one percent (0.1%) for their field and publication period.

For the third bimonthly update, which was published in late September and covers January 1 2006-June 30 2016, there were a total of 2,750 Hot Papers. Of these, 801 were already present in the database and achieved Hot Paper status in the update, and 948 entered the database for the first time with Hot Paper status.

The below table lists the latest New Hot Papers in ESI with the highest cite counts in their fields:

Field	Authors	Journal	Title
AGRICULTURAL SCIENCES	Tripathi, MK, Giri, SK	J FUNKT FOOD 9: 225-241 JUL 2014	PROBIOTIC FUNCTIONAL FOODS: SURVIVAL OF PROBIOTICS DURING PROCESSING AND STORAGE
BIOLOGY & BIOCHEMISTRY	Miller, PJ, Aricescu, AR	NATURE 512 (7514): 270- AUG 21 2014	CRYSTAL STRUCTURE OF A HUMAN GABA(A) RECEPTOR
CHEMISTRY	Xan, R, Zhang, Q, Li, MM, et al.	J AM CHEM SOC 136 (44): 15529-15532 NOV 5 2014	SOLUTION-PROCESSED ORGANIC SOLAR CELLS BASED ON DIALKYLTHIO-SUBSTITUTED BENZODIOPHENE UNIT WITH EFFICIENCY NEAR 10%
CLINICAL MEDICINE	Heinemann, V, Von Weikersthal, LF, Decker, T, et al.	LANCET ONCOL 15 (10): 1065-1075 SEP 2014	FOLFIRI PLUS CETUXIMAB VERSUS FOLFIRI PLUS BEVACIZUMAB AS FIRST-LINE TREATMENT FOR PATIENTS WITH METASTATIC COLORECTAL CANCER (FIRE-3): A RANDOMISED, OPEN-LABEL, PHASE 3 TRIAL
COMPUTER SCIENCE	Holsworth, DP, Huhn, W, de Voo, PS, et al.	ENVIRON MODELL SOFTW 62: 327-350 DEC 2014	APSIM - EVOLUTION TOWARDS A NEW GENERATION OF AGRICULTURAL SYSTEMS SIMULATION
ECONOMICS & BUSINESS	Anderson, N, Potocnik, K, Zhou, J	J MANAGE 40 (5): 1297-1333 JUL 2014	INNOVATION AND CREATIVITY IN ORGANIZATIONS: A STATE-OF-THE-SCIENCE REVIEW, PROSPECTIVE COMMENTARY, AND GUIDING FRAMEWORK
ENGINEERING	Hussein, M, Leamy, MJ, Ruzzene, M	APPL MECH REV 66 (8): JUL 2014	DYNAMICS OF PHONONIC MATERIALS AND STRUCTURES: HISTORICAL ORIGINS, RECENT PROGRESS, AND FUTURE OUTLOOK
ENVIRONMENT/E COLOGY	Dirse, R, Young, MS, Galetti, M, et al.	SCIENCE 345 (6195): 401-406 JUL 25 2014	DEFAUNATION IN THE ANTHROPOCENE
GEOSCIENCES	Sun, YE, LI, JK, Wang, XK	GEOSCHM COSMOCHM ACTA 140: 621-643 SEP 1 2014	THE RETENTION OF URANIUM AND EUROPIUM ONTO SEPOLITE INVESTIGATED BY MACROSCOPIC, SPECTROSCOPIC AND MODELING TECHNIQUES
IMMUNOLOGY	Shi, JJ, Zhao, Y, Wang, YP, et al.	NATURE 514 (7521): 187- OCT 9 2014	INFLAMMATORY CASPASES ARE INNATE IMMUNE RECEPTORS FOR EXTRACELLULAR LPS
MATERIALS SCIENCE	Yu, CL, Goh, K, Wang, H, et al.	NAT NANOTECHNOL 9 (7): 535-562 JUL 2014	SCALABLE SYNTHESIS OF HIERARCHICALLY STRUCTURED CARBON NANOTUBE-GRAPHENE FIBRES FOR CAPACITIVE ENERGY STORAGE
MATHEMATICS	Du, YK, Lou, BO	J EUR MATH SOC 17 (10): 2673-2724 2015	SPREADING AND VANISHING IN NONLINEAR DIFFUSION PROBLEMS WITH FREE BOUNDARIES

ESI评选的各个领域的快速突破性的论文

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<http://ipscience.thomsonreuters.com/blog/new-hot-papers-in-essential-science-indicators/?category=science-research-connect>



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