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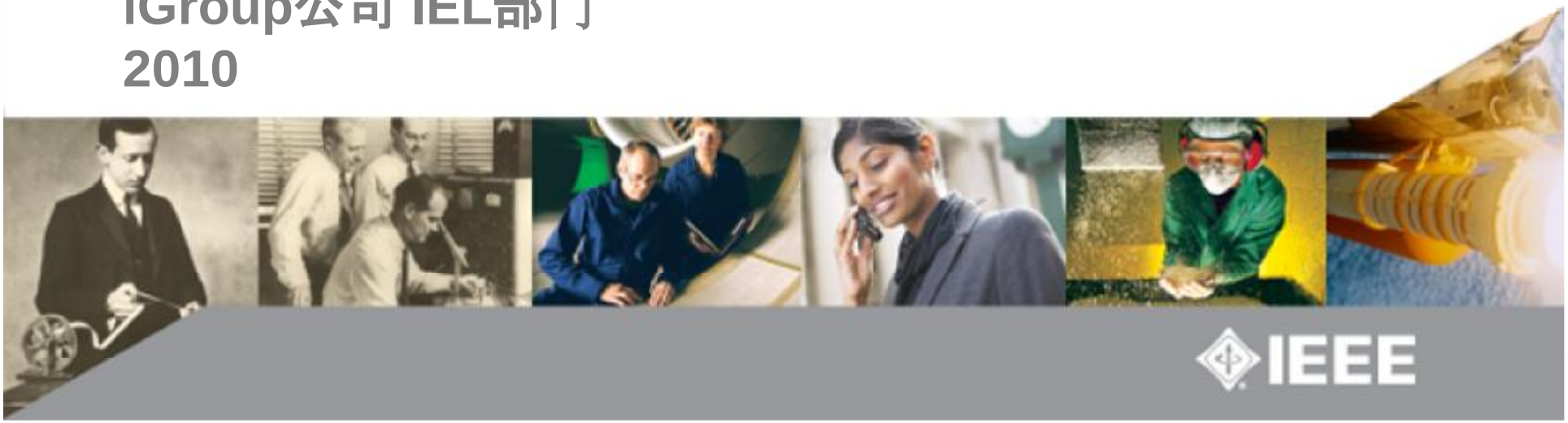

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内容概要

- IEEE简介

- Xplore平台演示
  - 如何快速查找、定位和分析所需信息
  - 如何快捷、追踪学术行业最新动态

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  - 主要包含两个机构的出版物
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      - 美国电气电子工程师学会
    - IET-The Institution of Engineering & Technology
      - 国际工程和技术学会
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- IEEE Xplore：IEL数据库的登录平台名称
  - 2010年2月13日Xplore平台全新改版

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  - 会议
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  - 教育

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- IEEE Transactions on Autonomous Mental Development
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- IEEE Embedded Systems Letters
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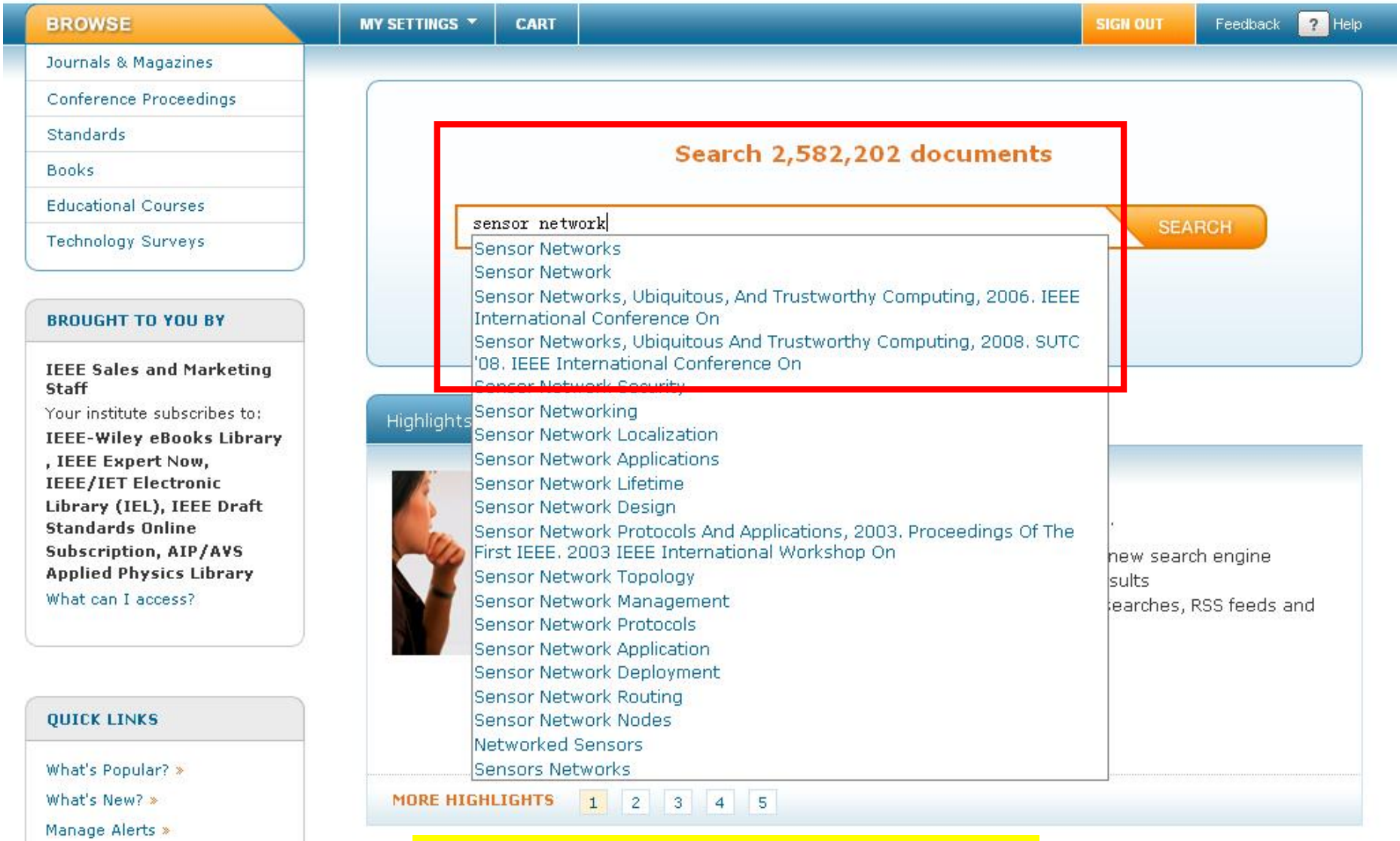

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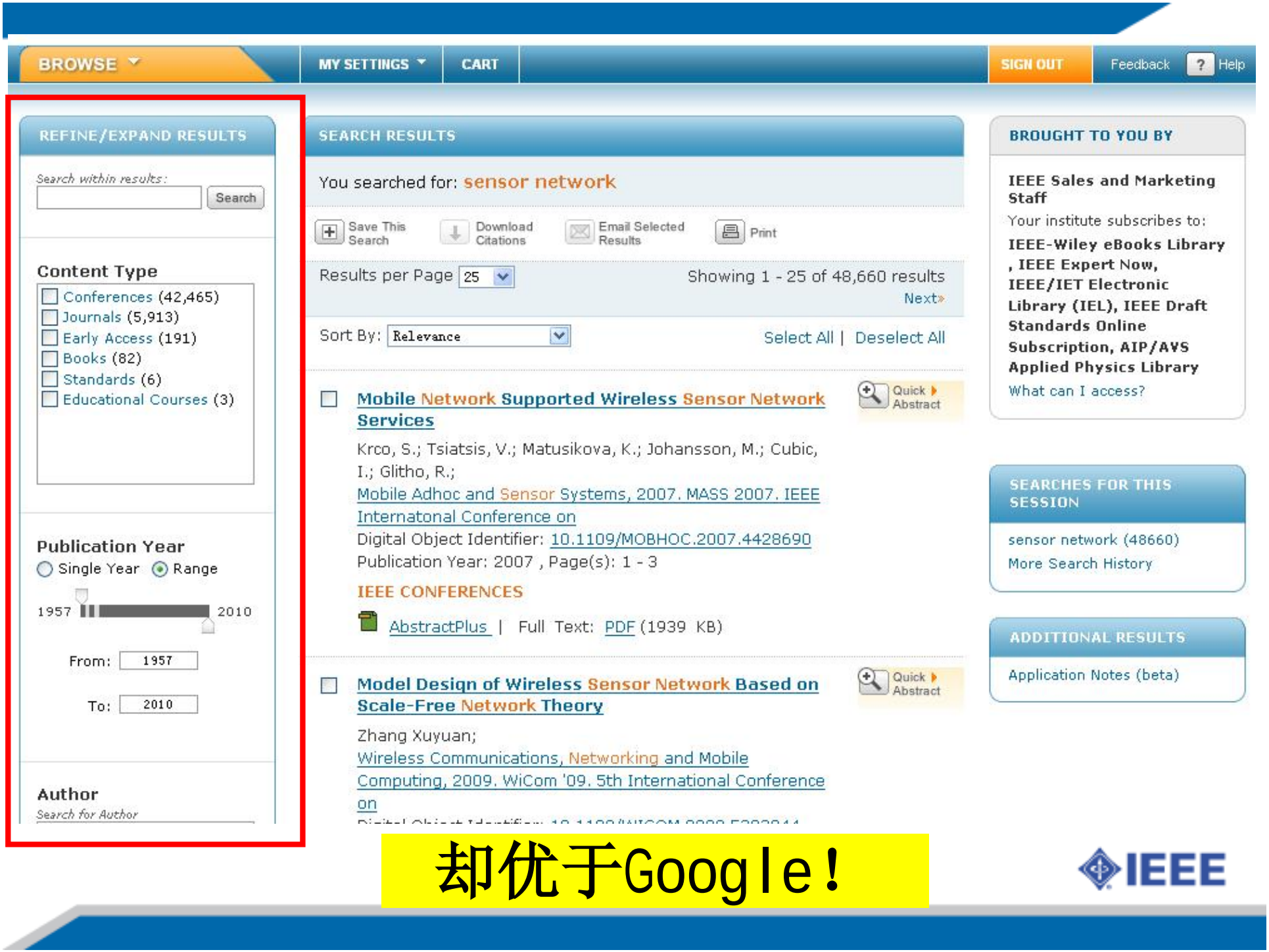

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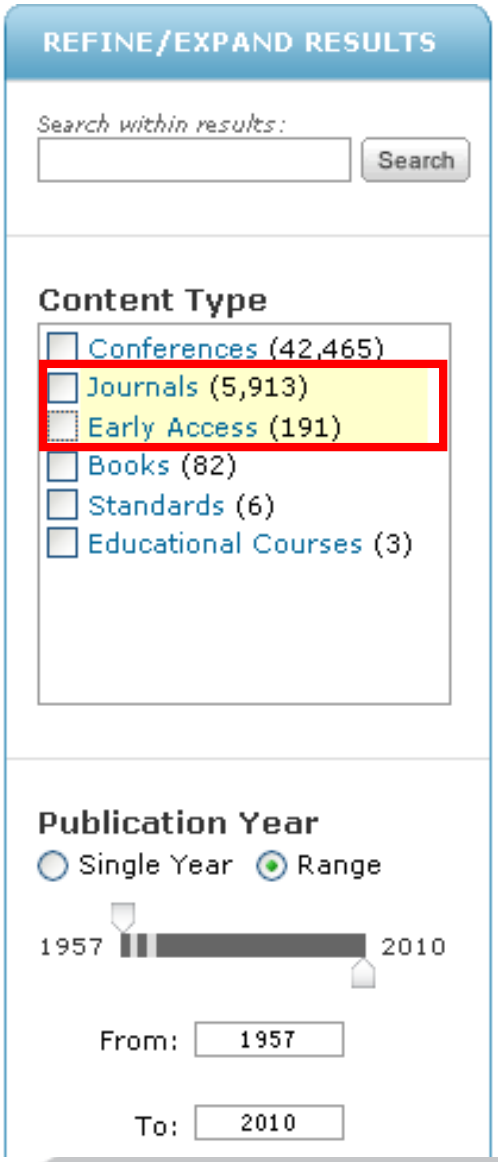

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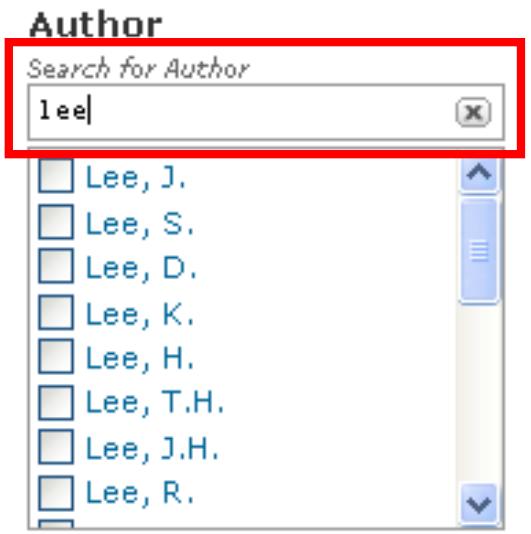

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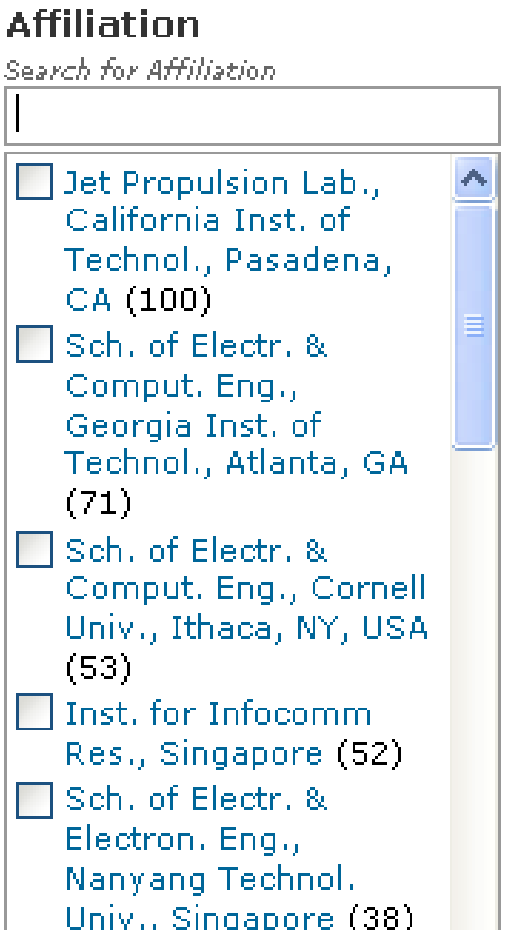

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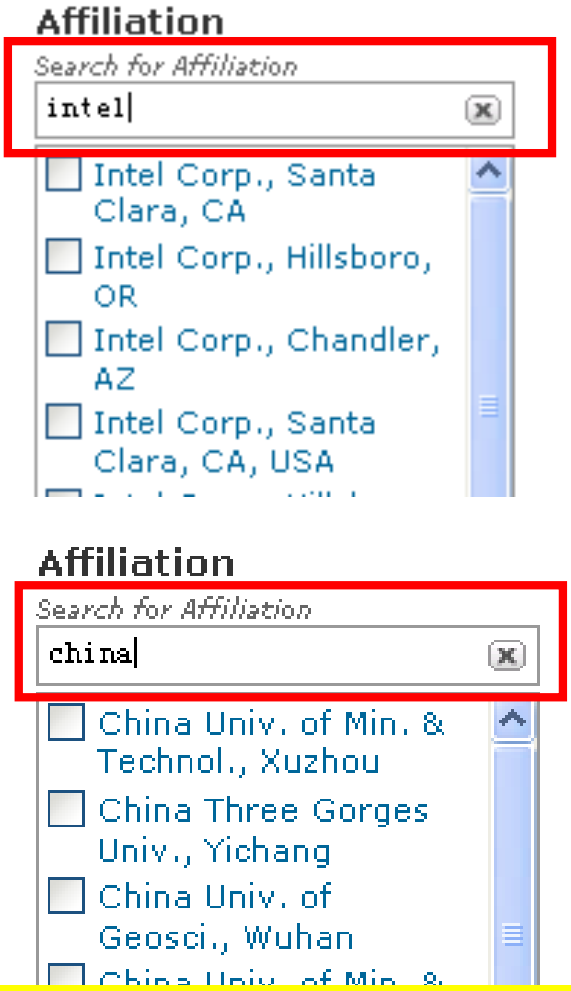

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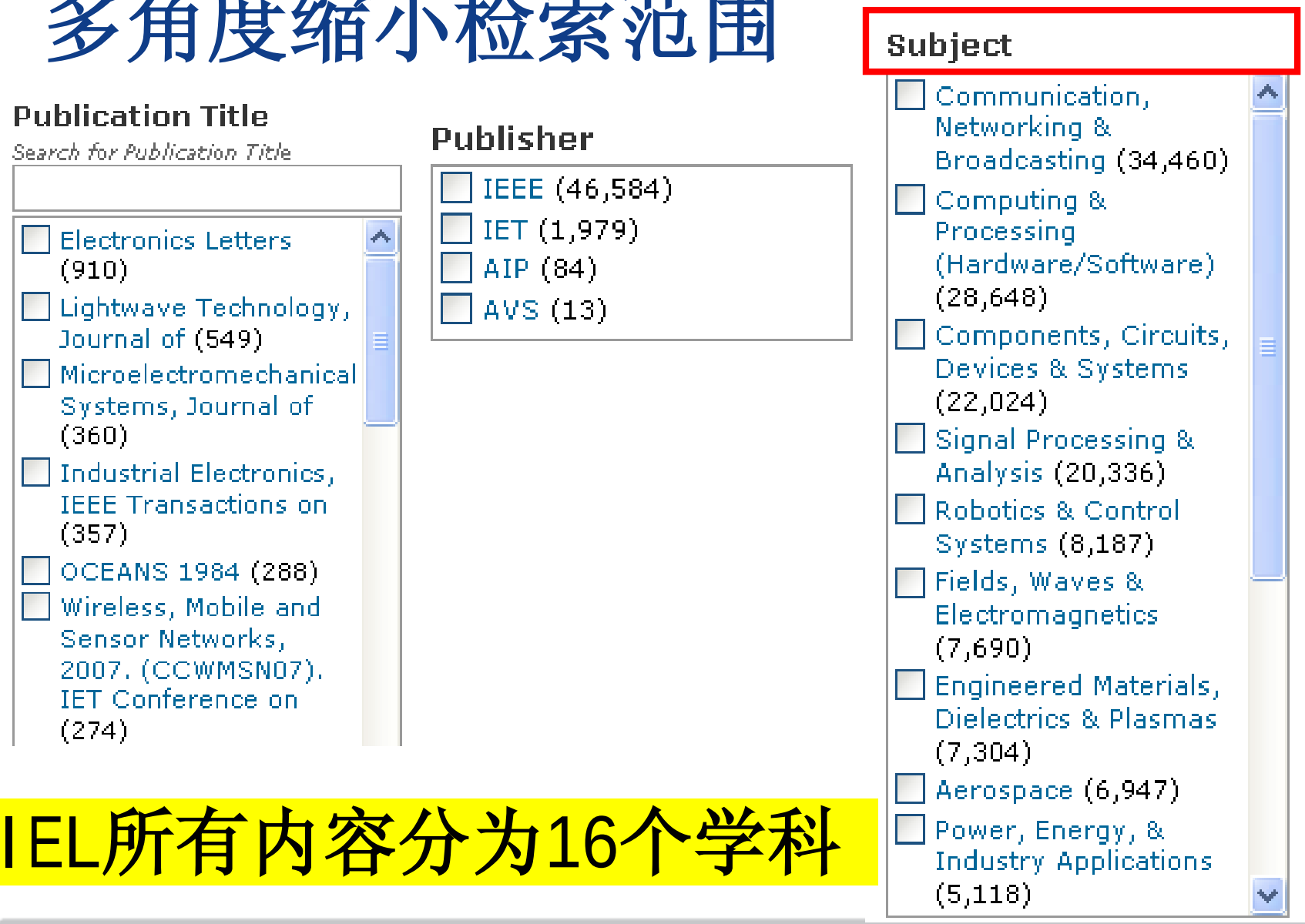

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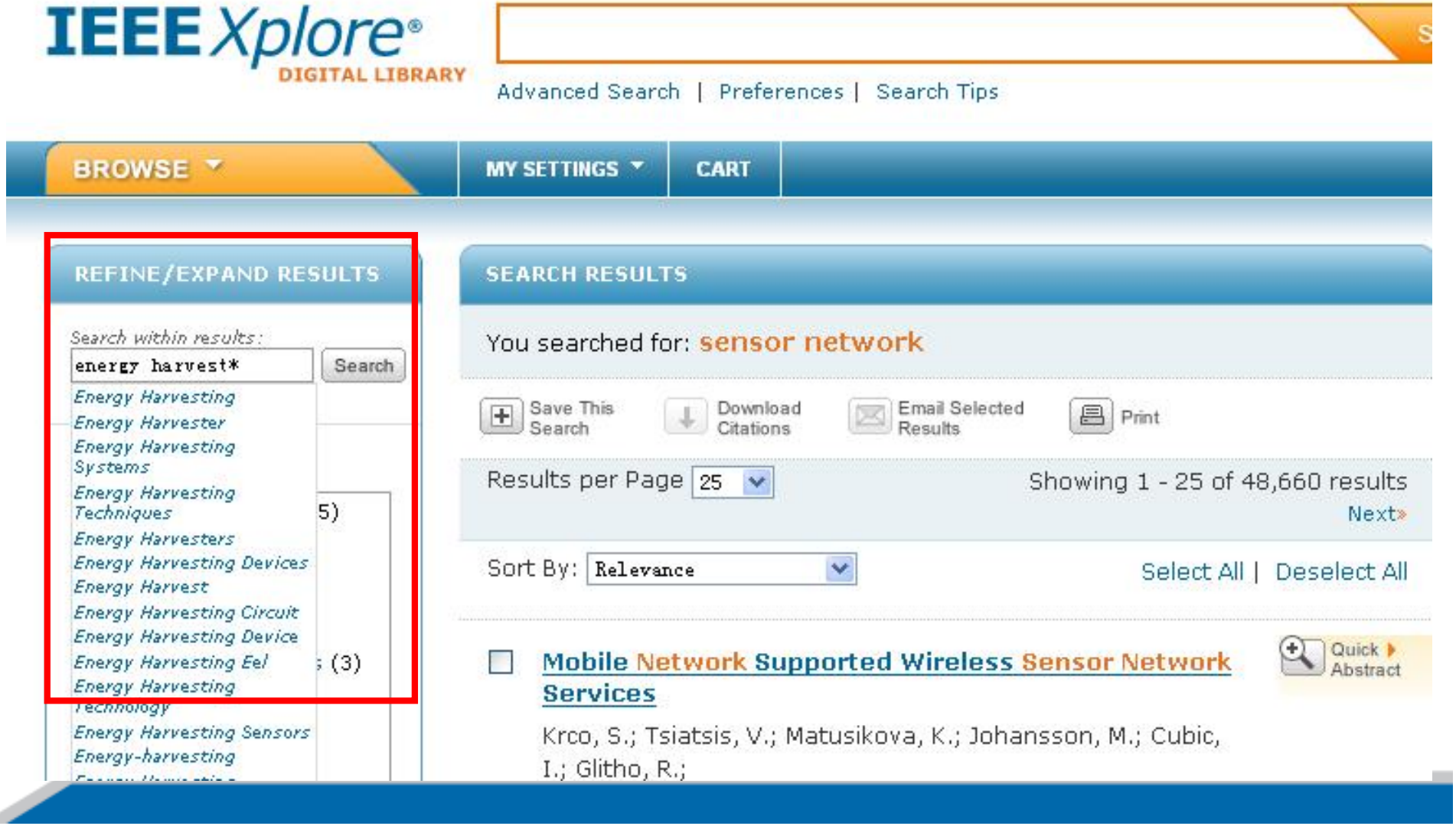

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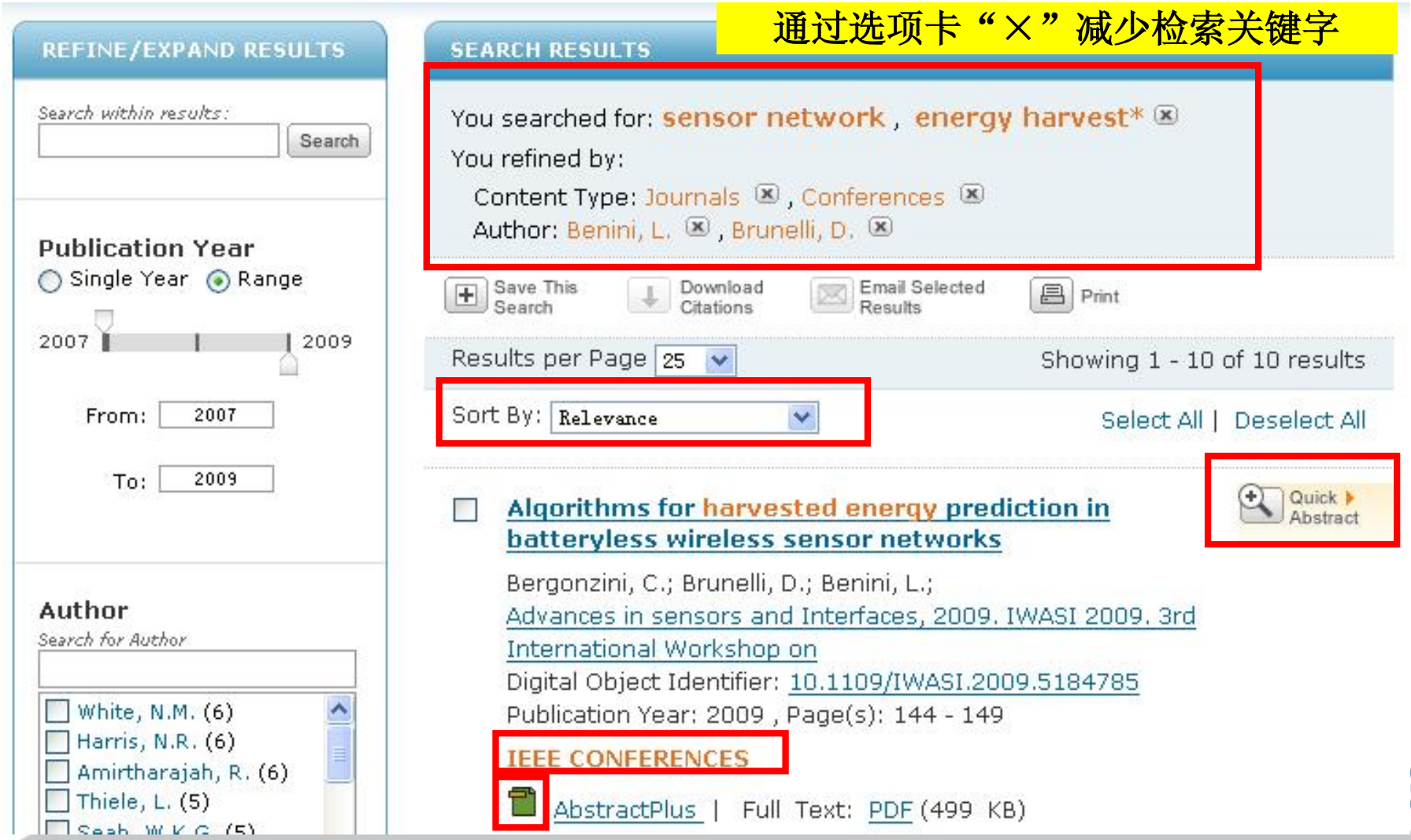

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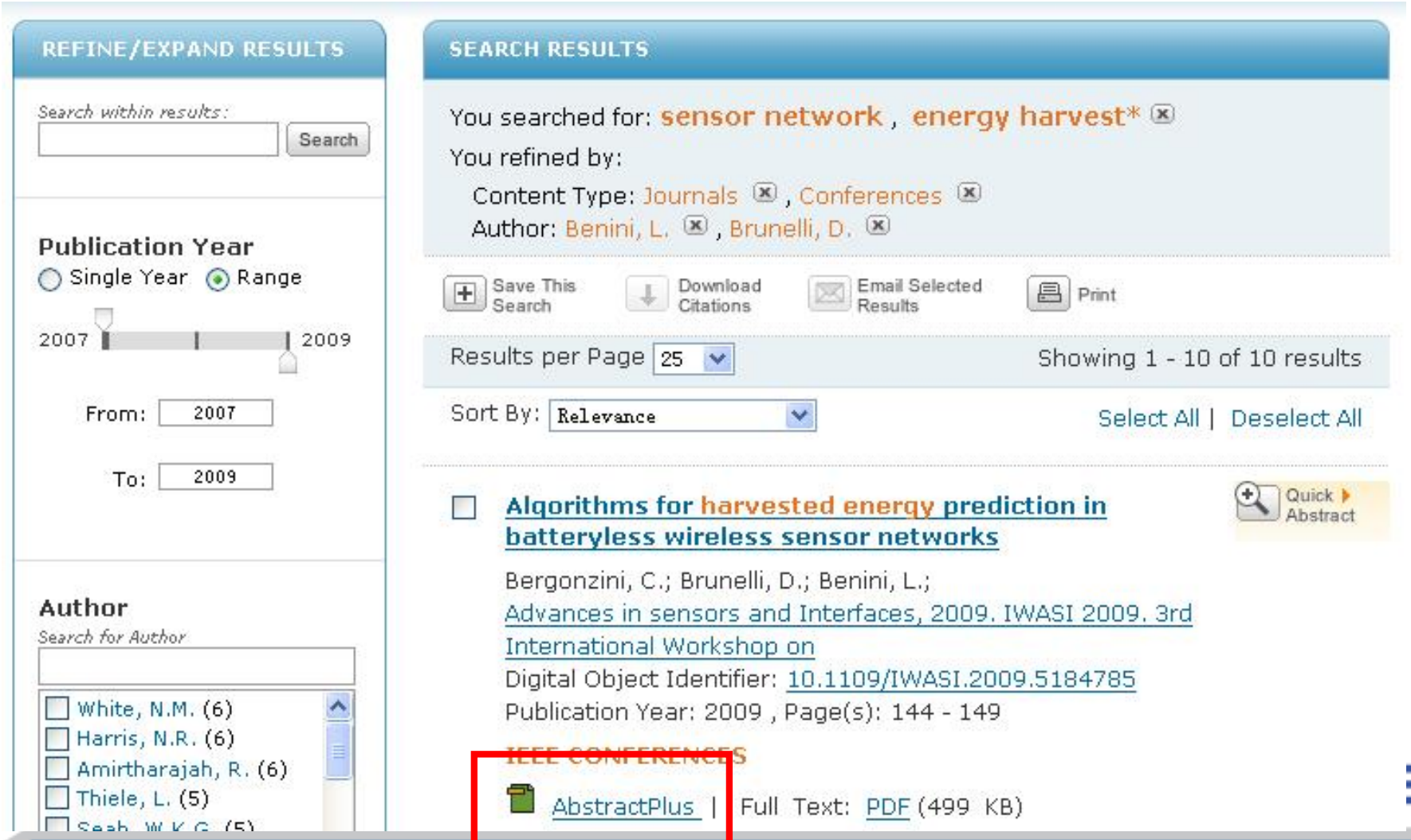

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Modeling and Optimization of a Solar Energy Harvester System for Self-Powered Wireless Sensor Networks

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REFERENCES

6. W. Xiao , N. Ozog and W. G. Dunford "Topology study of photovoltaic interface for maximum power point tracking", *IEEE Trans. Ind. Electron.*, vol. 54, pp. 2007
Abstract |Full Text: PDF (662KB)
7. W. Xiao , W. G. Dunford , P. R. Palmer and A. Capel "Regulation of photovoltaic voltage", *IEEE Trans. Ind. Electron.*, vol. 54, pp. 2007 .
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8. W. Xiao , M. G. J. Lind , W. G. Dunford and A. Capel "Real-time identification of optimal operating points in photovoltaic power systems", *IEEE Trans. Ind. Electron.*, vol. 53, pp. 2006 .
Abstract |Full Text: PDF (536KB)
9. W. De Soto , S. A. Klein and W. A. Beckman "Improvement and validation of a model for photovoltaic array performance", *Sol. Energy*, vol. 80, pp. 2006 .
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11. S. Foss , B. Olaisen , E. Marstein and A. Holt "A new 2.5d distributed spice model of solar cells", *Proc. Eur. Photovolt. Sol. Energy Conf. Exhib.*, vol. 21, pp. 2006 .
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Abstract |Full Text: PDF (466KB)
2. Design and Implementation of a Wireless Fieldbus for Plastic Machineries, Flammini, A. Marioli, D. Sisinni, E. Taroni, A.
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Industrial Electronics, IEEE Transactions on
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Abstract |Full Text: PDF (203KB)
6. Exploiting Backbone Routing Redundancy in Industrial Wireless Systems, Ishii, Y.
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other hand, some researchers have proposed pet robots [4], [5], which move actively against interactions among humans and themselves. With information such as sound, light, and a simple interaction by using the touch sensors, etc., these robots could move actively for entertainment or human mental healing. However, human–robot coordination for realizing tasks is not considered in their systems.

If robots could move not only passively but also actively based on human intentions, environments, knowledge of tasks, etc., we could realize more effective human–robot coordination system than the conventional one. Considering the case of coordination among humans, each human would move not

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The authors are with the Kosuge and Hirata Laboratory, Department of Bioengineering and Robotics, Graduate School of Engineering, Tohoku oku.ac.jp;

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execute tasks according to the intention. Therefore, recognition of human's intention would be one of the essential robot's functions for realizing the coordination. This paper focuses on the step estimation problem in CAST, i.e., an estimation method for a dance step intended by the human. Two step estimation methods have been developed in the previous research, and the robot could realize dancing with a human successfully [6], [7]. In these step estimation methods, only the instantaneous force/moment information at the step transitions are utilized. Considering the case of dancing among humans, however, it might be difficult for humans to estimate his/her partner's intention using such instantaneous information because a male dancer could not always apply the same lead to his partner, and the lead would include uncertainty such as a time lag and variation for repeated trials. Therefore, it would be more successful to model tendencies of dancer's leads with such uncertainty by using time series of force/moment information. Hidden Markov models (HMMs) [8] are utilized to model the time series data with human's uncertainty because HMMs can stochastically model tendencies of time series data with uncertainty.

HMMs are used successfully in the fields of speech recognition, bioinformatics, etc. In these days, the applications on gesture recognition, control of robots, etc., using HMMs are

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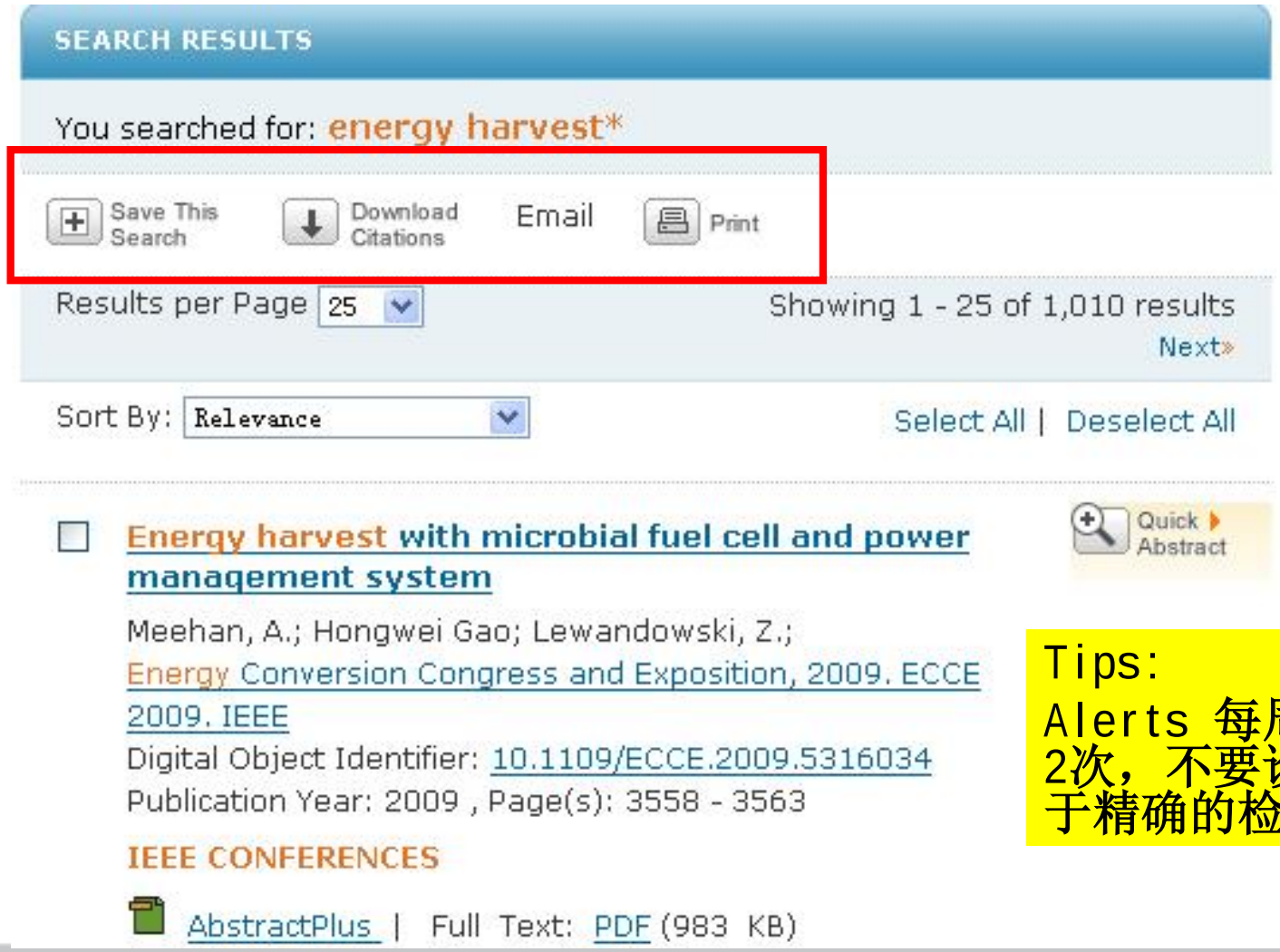

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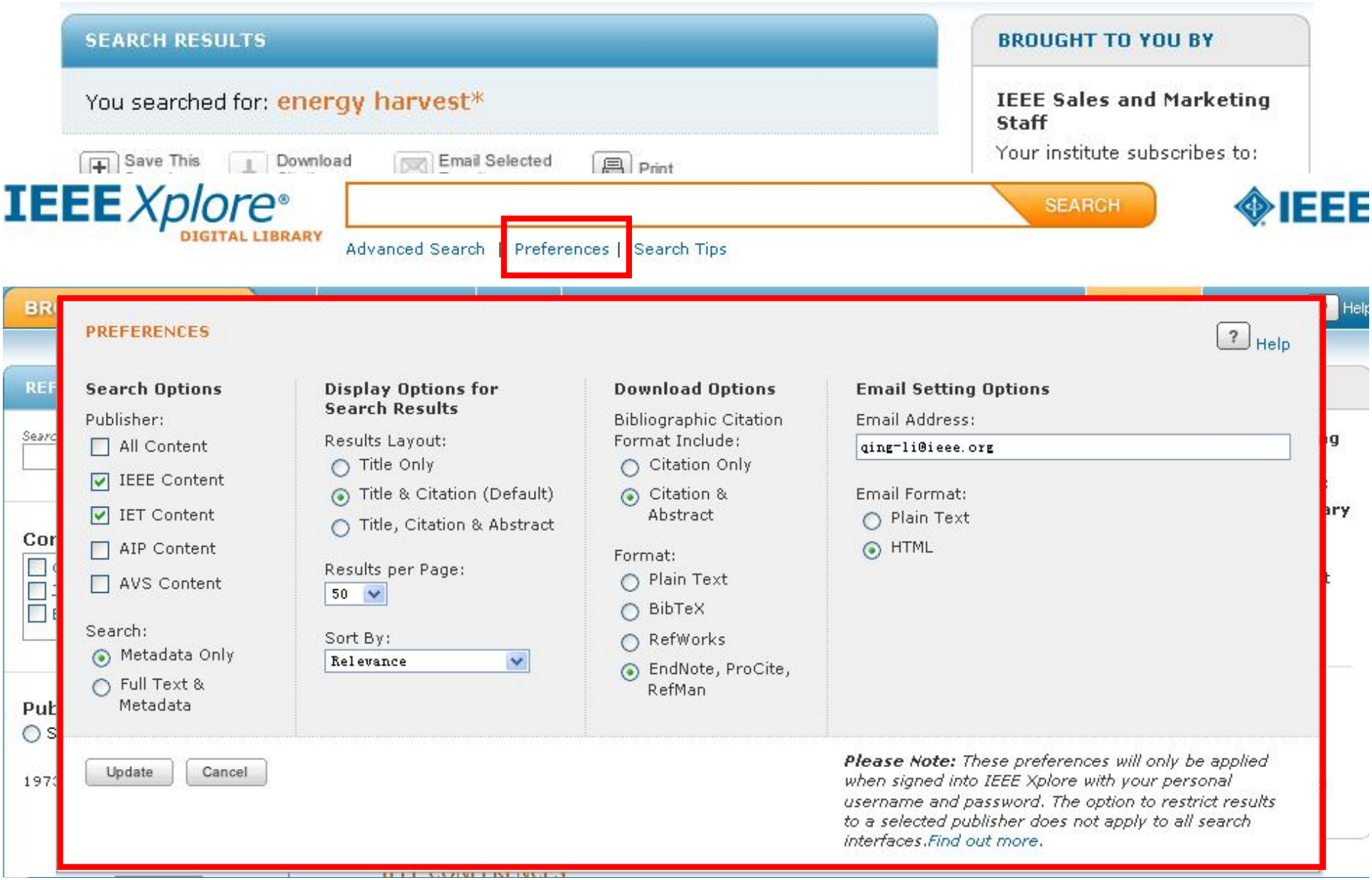

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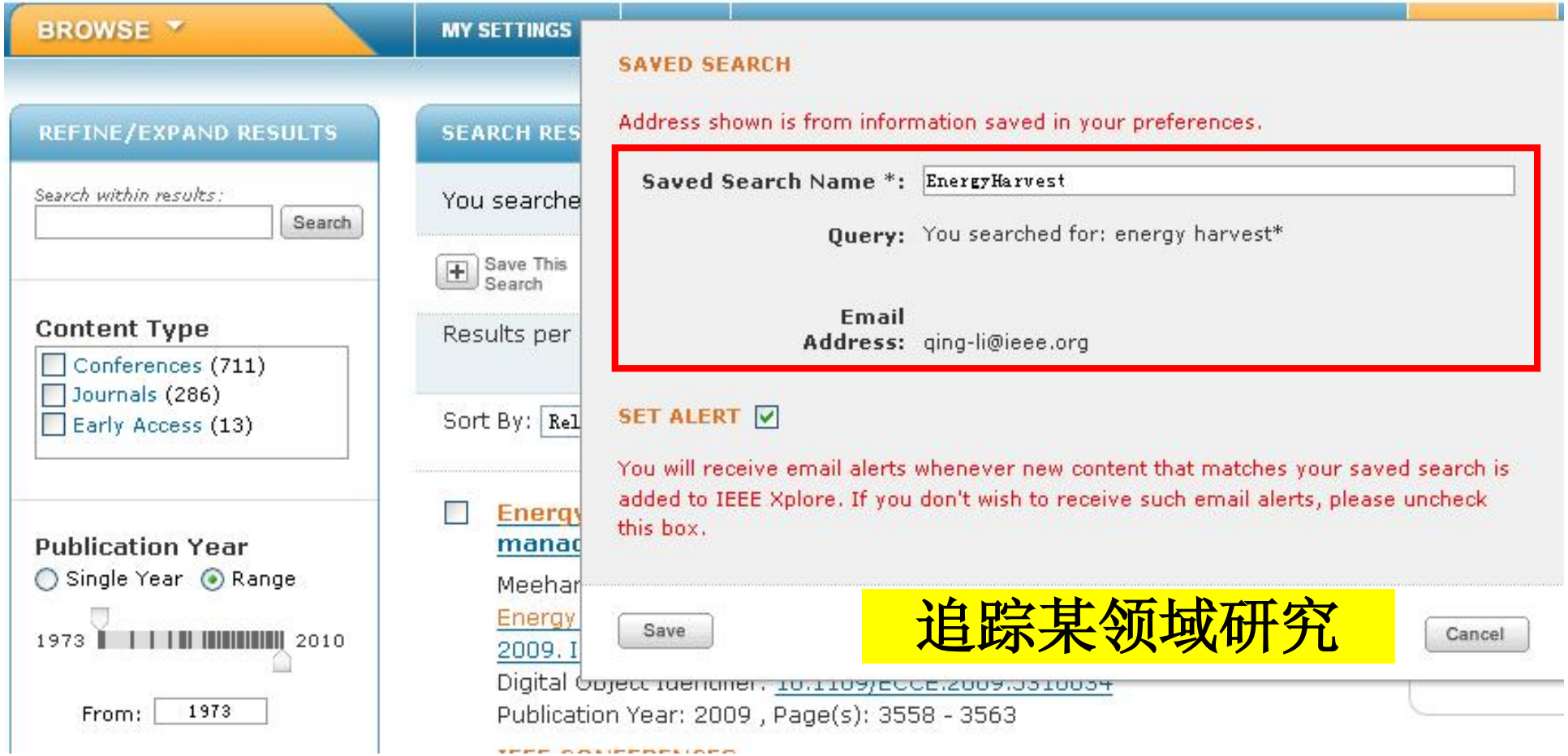

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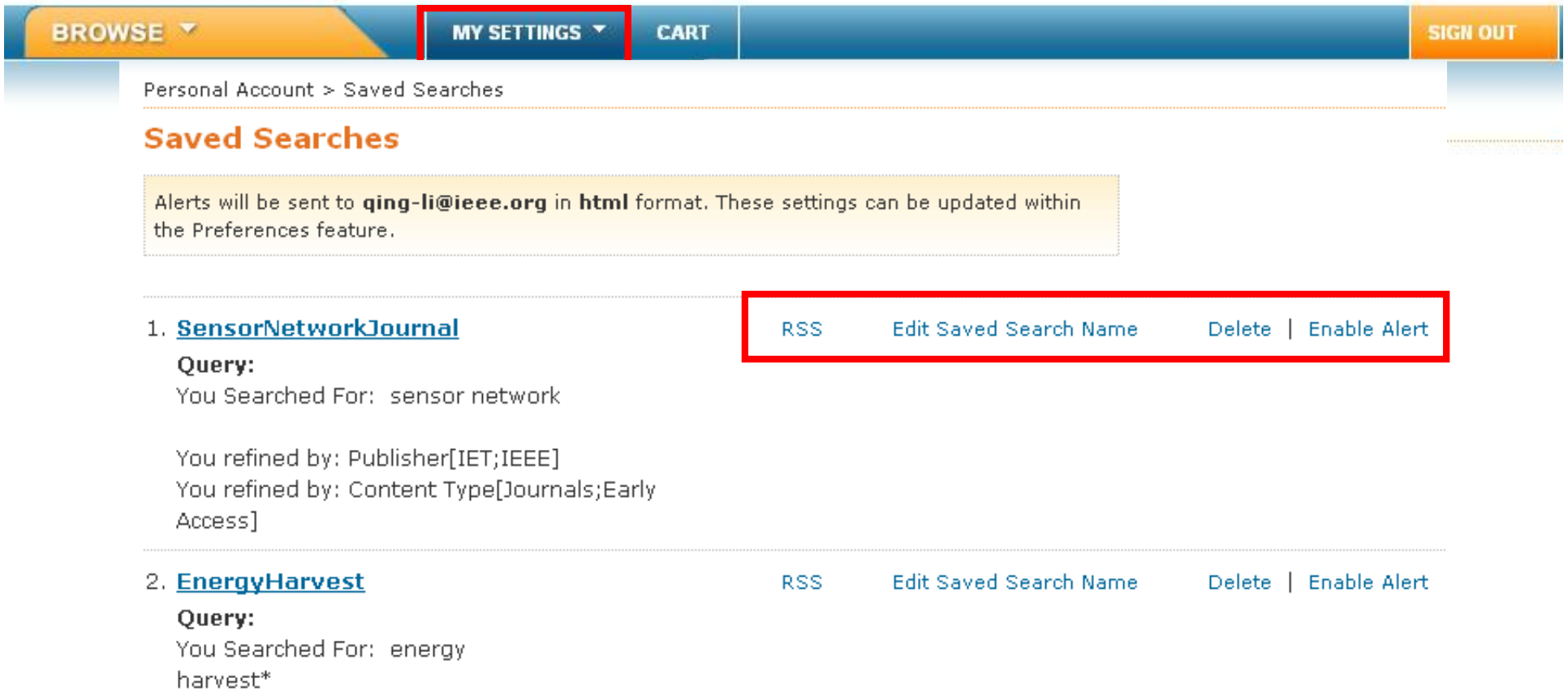

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检索案例三：

我想今后从事能量收集（Energy Harvesting）方向的研究和工作，IEEE数据库如何帮到我？

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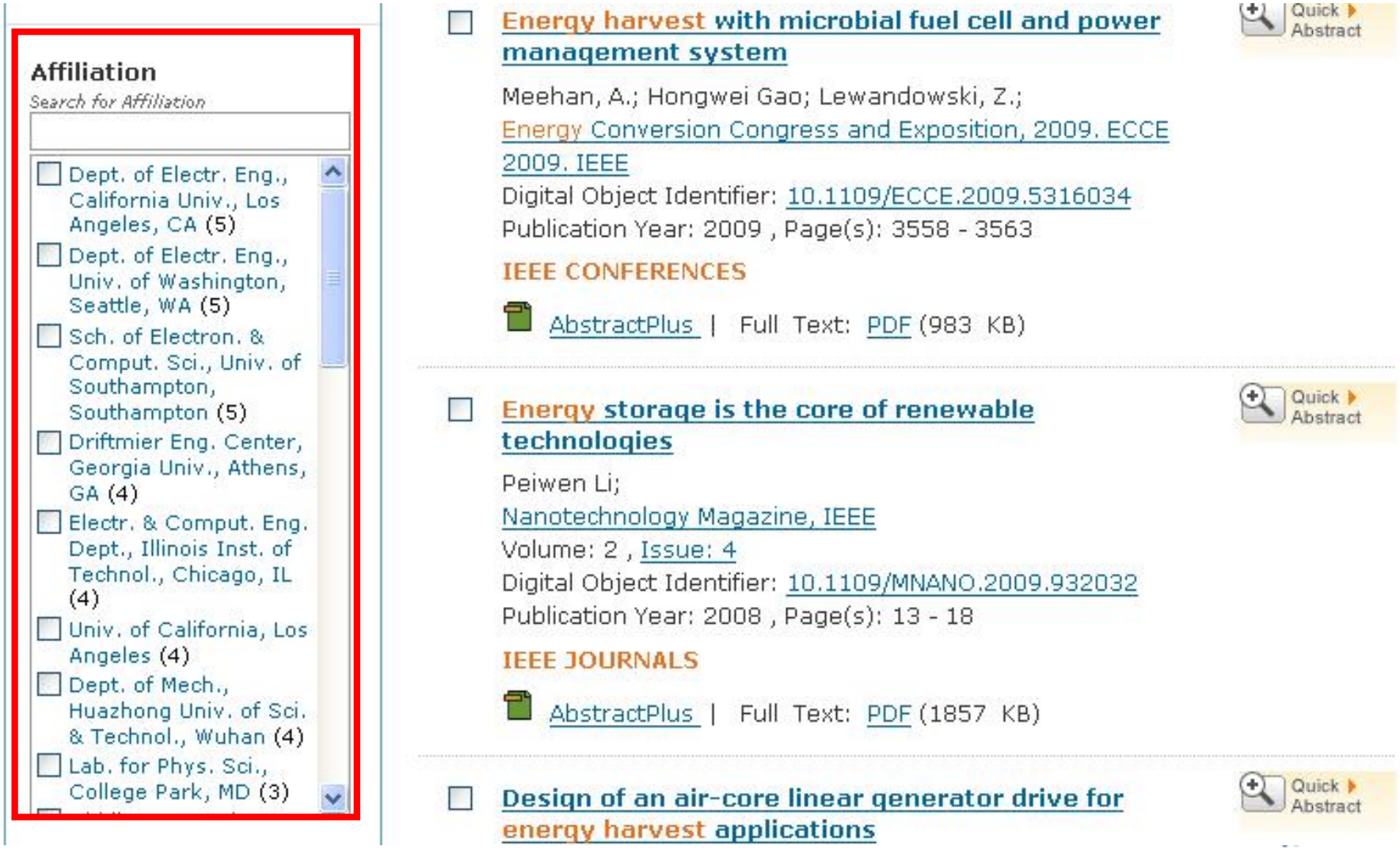

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A Full-Wave Rectifier With Integrated Peak Selection for Multiple Electrode Piezoelectric Energy Harvesters

Nathaniel J. Guilar, *Member, IEEE*, Rajeevan Amirtharajah, *Member, IEEE*, and Paul J. Hurst, *Fellow, IEEE*

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[1] A. Kansal and M. Srivastava, "An environmental energy harvesting framework for sensor networks," in *Proc. IEEE Int. Symp. Low Power Electronics and Design (ISLPED'03)*, Aug. 2003, pp. 481–486.
[2] N. Guilar, R. Amirtharajah, and P. Hurst, "A full-wave rectifier for interfacing with multi-phase piezoelectric energy harvesters," in *IEEE Int. Solid-State Circuits Conf. (ISSCC) Dig. Tech. Papers*, Feb. 2008, pp. 302–303.
[3] N. Guilar, D. Margolis, D. Horsley, R. Amirtharajah, and P. Hurst, "Interface circuits for multiphase piezoelectric energy harvesters," in *Proc. IEEE Applied Power Electronics Conf.*, Feb. 2008, pp. 639–644.
[4] G. Ottn ve piezo-electric supply," *IEEE Trans. Power Electron.*, vol. 17, no. 5, pp. 669–676, Sep. 2002.
[5] T. Y. Man, P. K. T. Mok, and M. Chan, "A CMOS-control rectifier for discontinuous-conduction mode switching DC-DC converters," in *IEEE Int. Solid-State Circuits Conf. (ISSCC) Dig. Tech. Papers*, Feb.

了解你应该联系的人

Paul J. Hurst (S'76–M'83–SM'94–F'01) received the B.S., M.S., and Ph.D. degrees in electrical engineering from the University of California at Berkeley in 1977, 1979, and 1983, respectively.

From 1983 to 1984, he was with the University of California, Berkeley, as a lecturer, teaching integrated-circuit design courses and working on an MOS delta-sigma modulator. In 1984, he joined Silicon Systems Inc., Nevada City, CA, where he was involved in the design of CMOS integrated circuits for voice-band modems. Since 1986, he has been on the faculty of the Department of Electrical and Computer Engineering at the University of California at Davis, where he is now a Professor. His research interests are in the areas of data converters and analog and mixed-signal integrated-circuit design for digital communications. He is a coauthor of a textbook on analog integrated-circuit design. He is also active as a consultant to industry.

Prof. Hurst has served on the program committees for the Symposium on VLSI Circuits and the IEEE International Solid-State Circuits Conference. He served for five years as an associate editor for the IEEE JOURNAL OF SOLID-STATE CIRCUITS. He is now a member of the administrative committee of the IEEE Solid-State Circuits Society.

Nathaniel J. Guilar received the B.S. degree from Suffolk University, Boston, MA, in 2002, and the M.S. and Ph.D. degrees from the University of California at Davis in 2005 and 2008, respectively.

He joined Agilent Laboratories in 2008 at the Mixed-Signal Electronics Division in Santa Clara, CA, where he is currently working on high speed data converters and frequency synthesizers. His research interests include mixed-signal control systems, energy harvesting devices and analog circuit design.

Dr. Guilar has received the Accel Partners Fellowship, the GAANN Fellowship and the Analog Devices Outstanding Student Designer Award.

Rajeevan Amirtharajah received the S.B. and M.Eng. degrees in 1994, and the Ph.D. degree in 1999, all in electrical engineering from the Massachusetts Institute of Technology, Cambridge, MA. His doctoral work developed micropower DSP systems which scavenge energy from mechanical vibrations in their environment and use that energy to process information provided by embedded and wearable sensors.

From 1999 to 2002, as a senior member of the technical staff at High Speed Solutions Corp., Hudson, MA, later a subsidiary of Intel Corporation, he helped create innovative high performance multidrop bus technologies using electromagnetic coupling and pulse-based modulated signaling. He worked as an ASIC and mixed-signal circuit design consultant at SMaL Camera Technologies, Cambridge, MA, in 2003. In July 2003, he joined the Electrical and Computer Engineering Department at the University of California, Davis, where he is currently an Associate Professor. His research interests include low power VLSI design for sensor applications, powering systems from ambient energy sources, and high performance circuit and interconnect design.

Dr. Amirtharajah received the National Science Foundation CAREER award in 2006. He is an inventor on 18 U.S. patents and is a member of IEEE, AAAS, and Sigma Xi.

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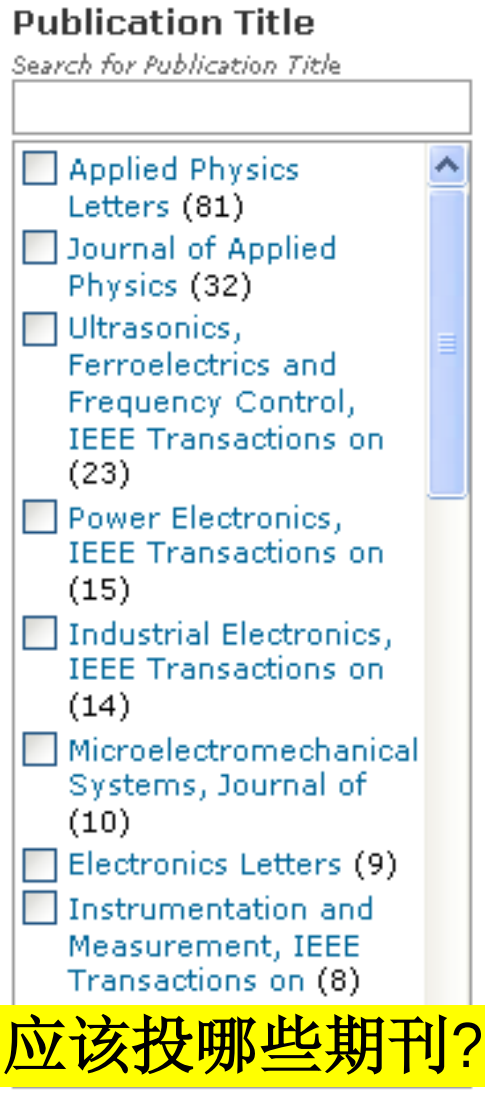

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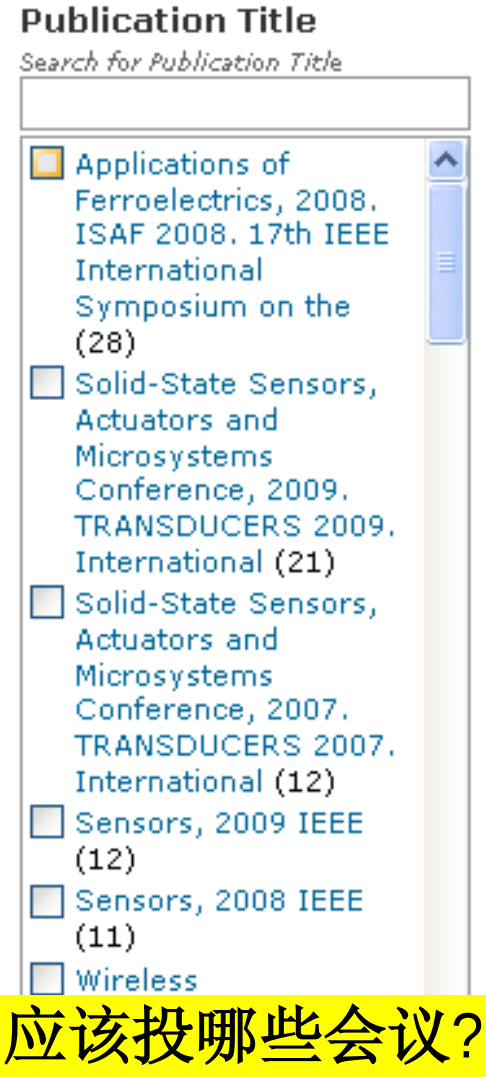

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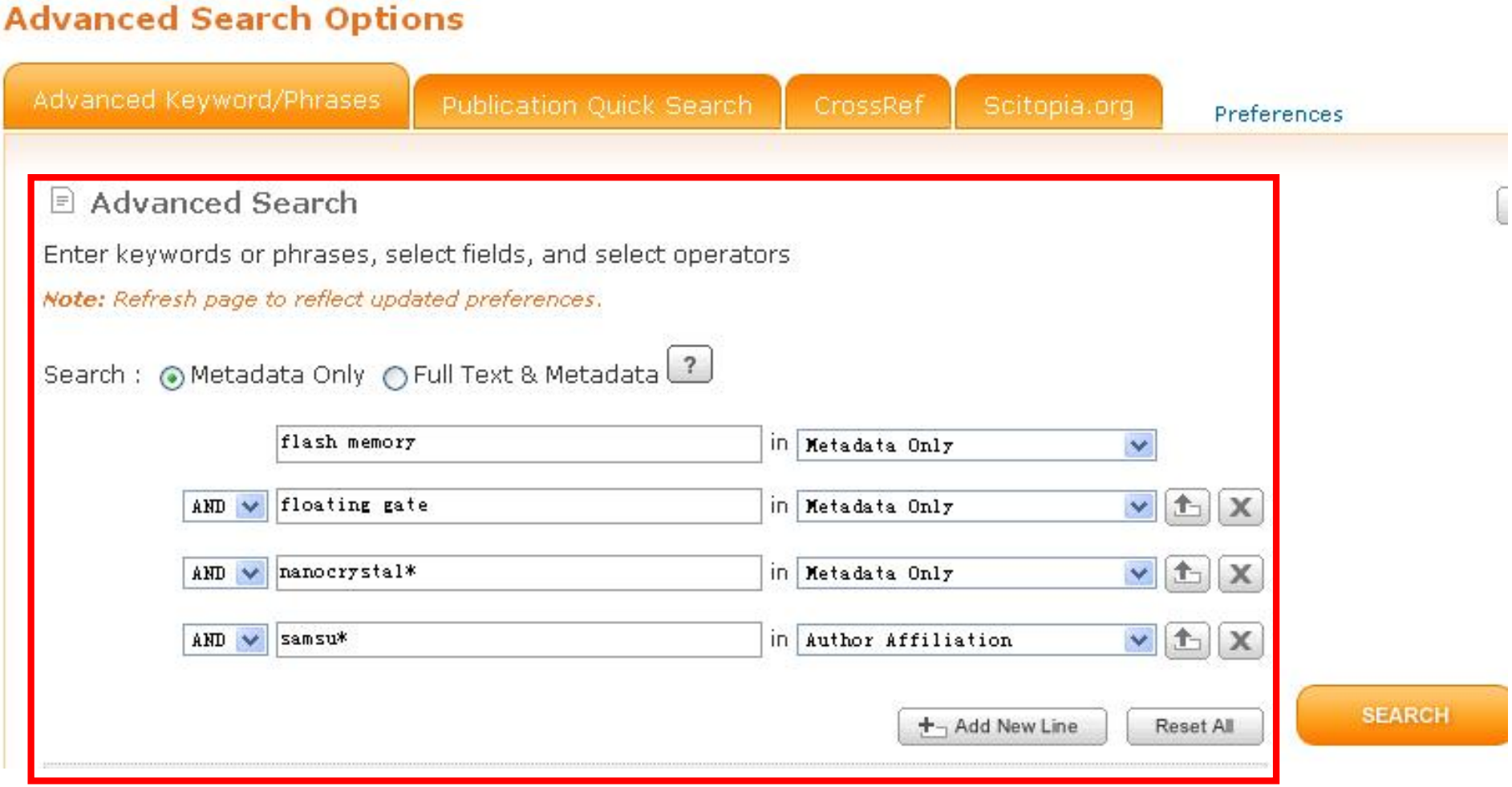

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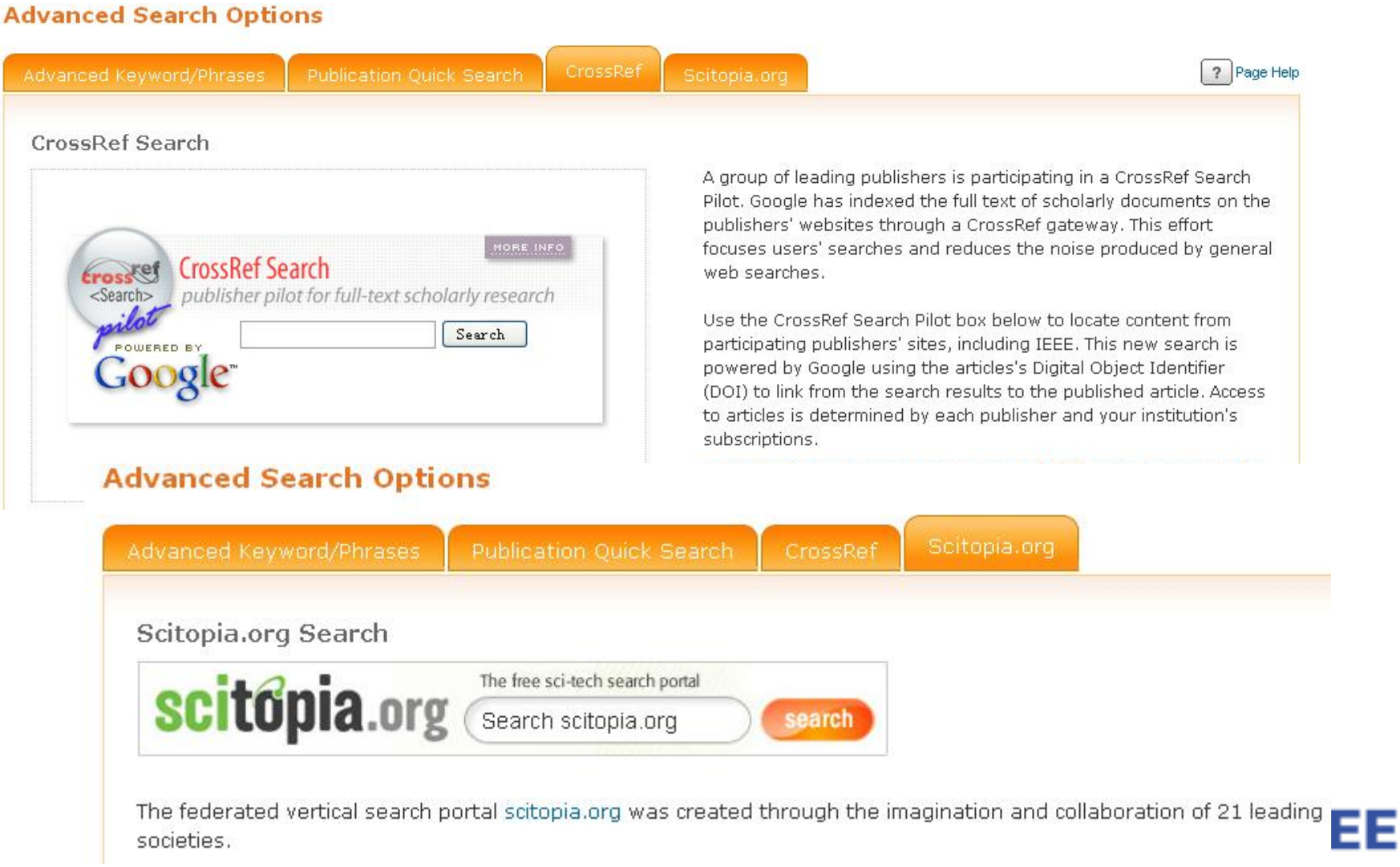

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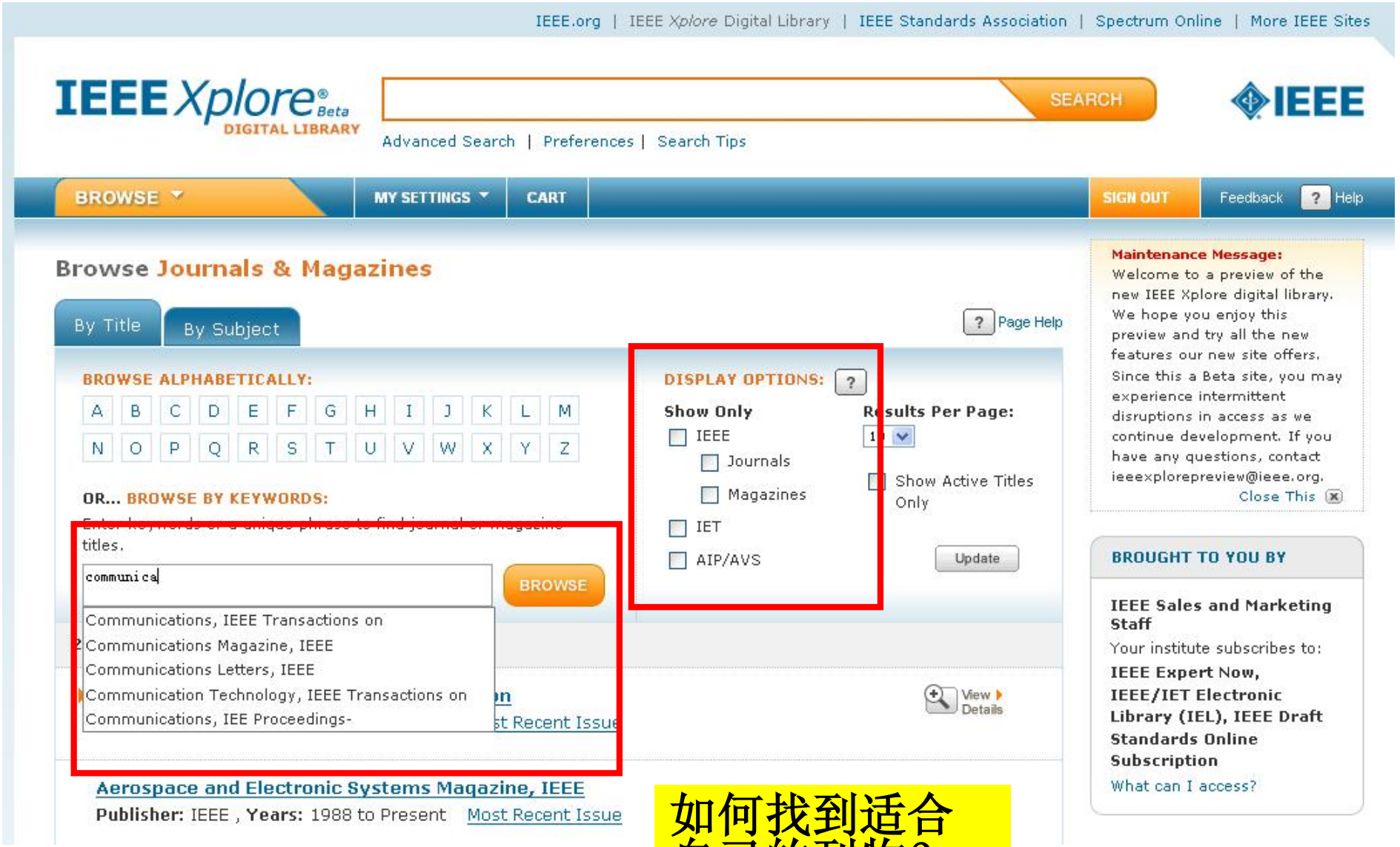

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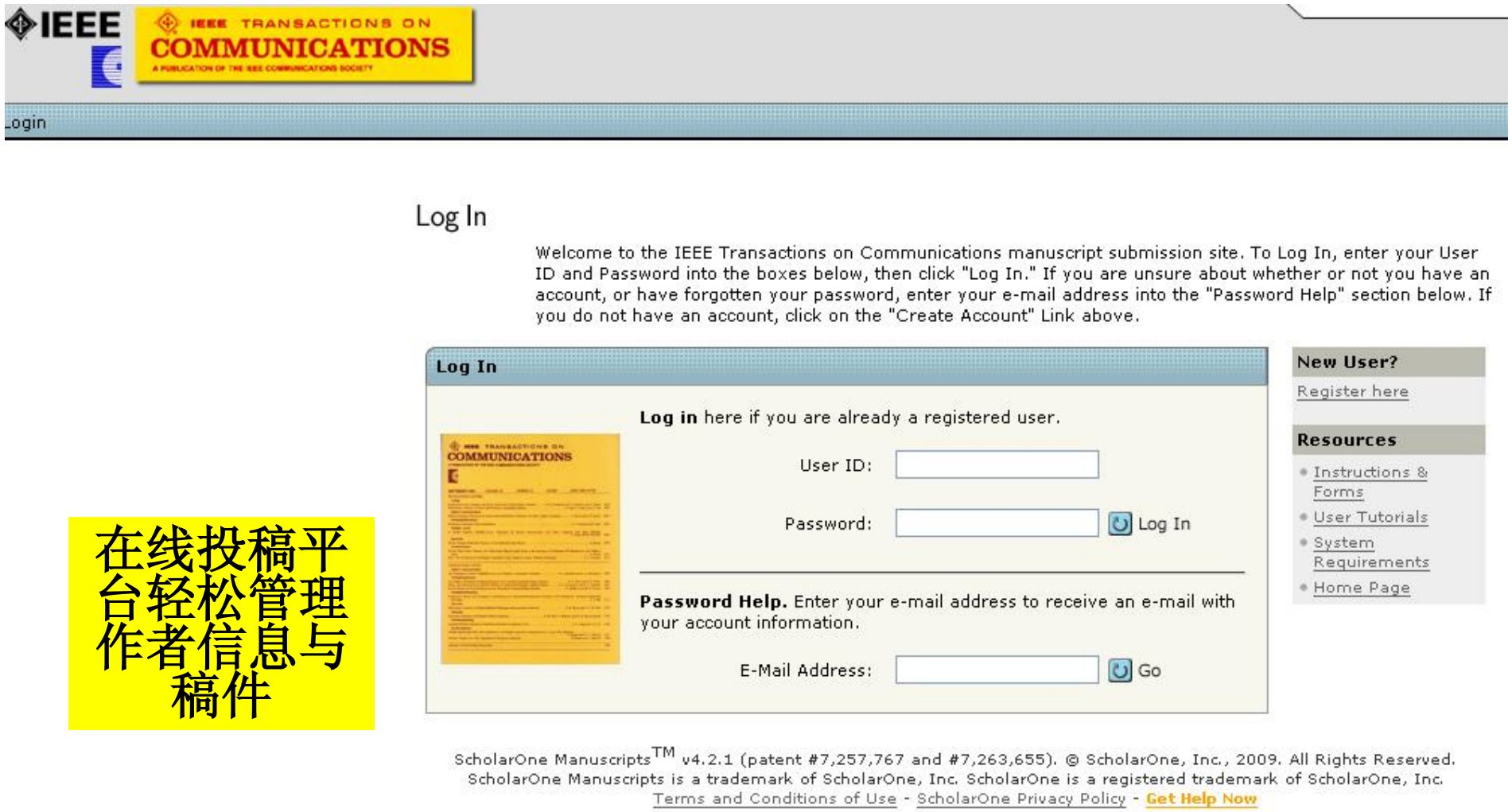

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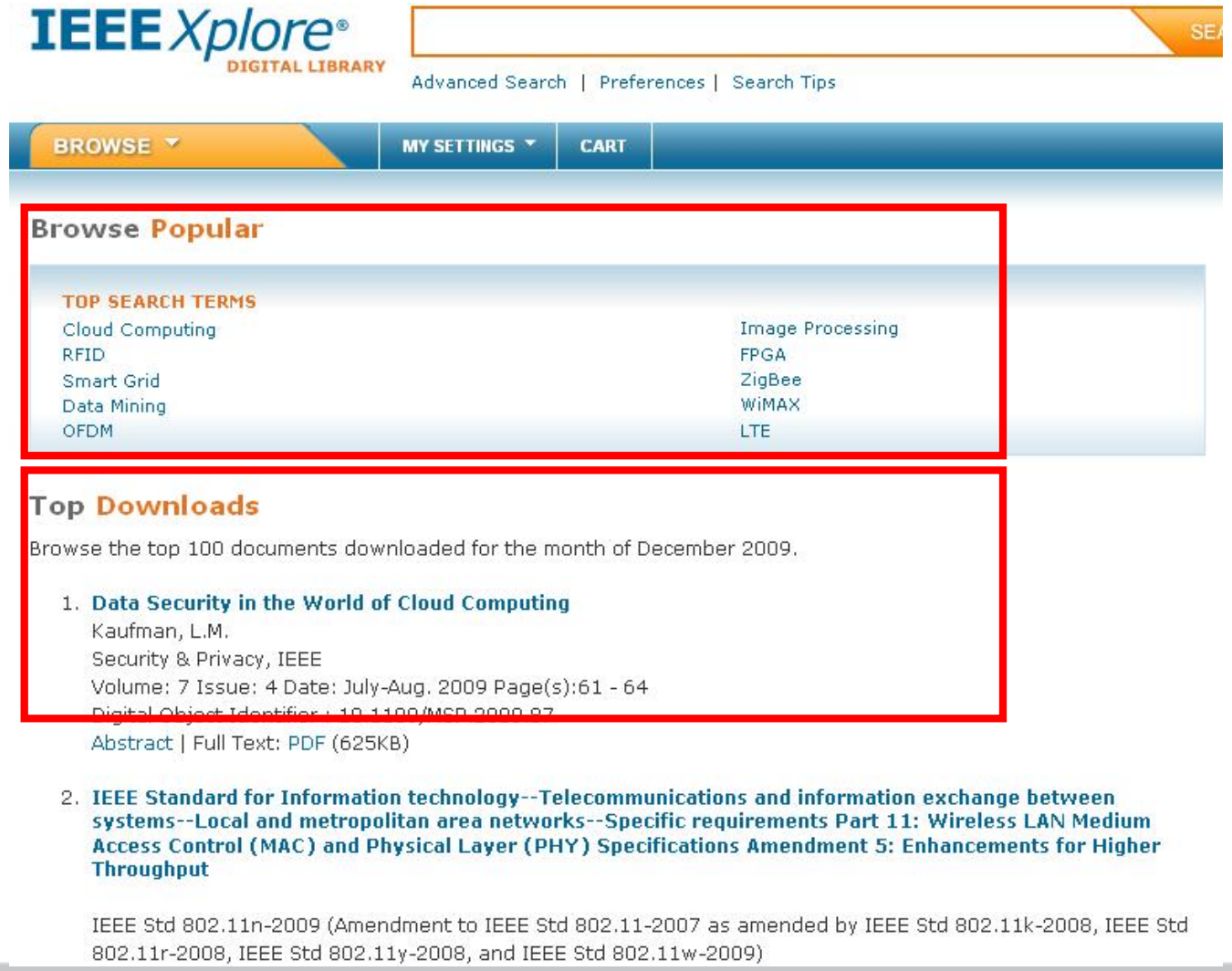

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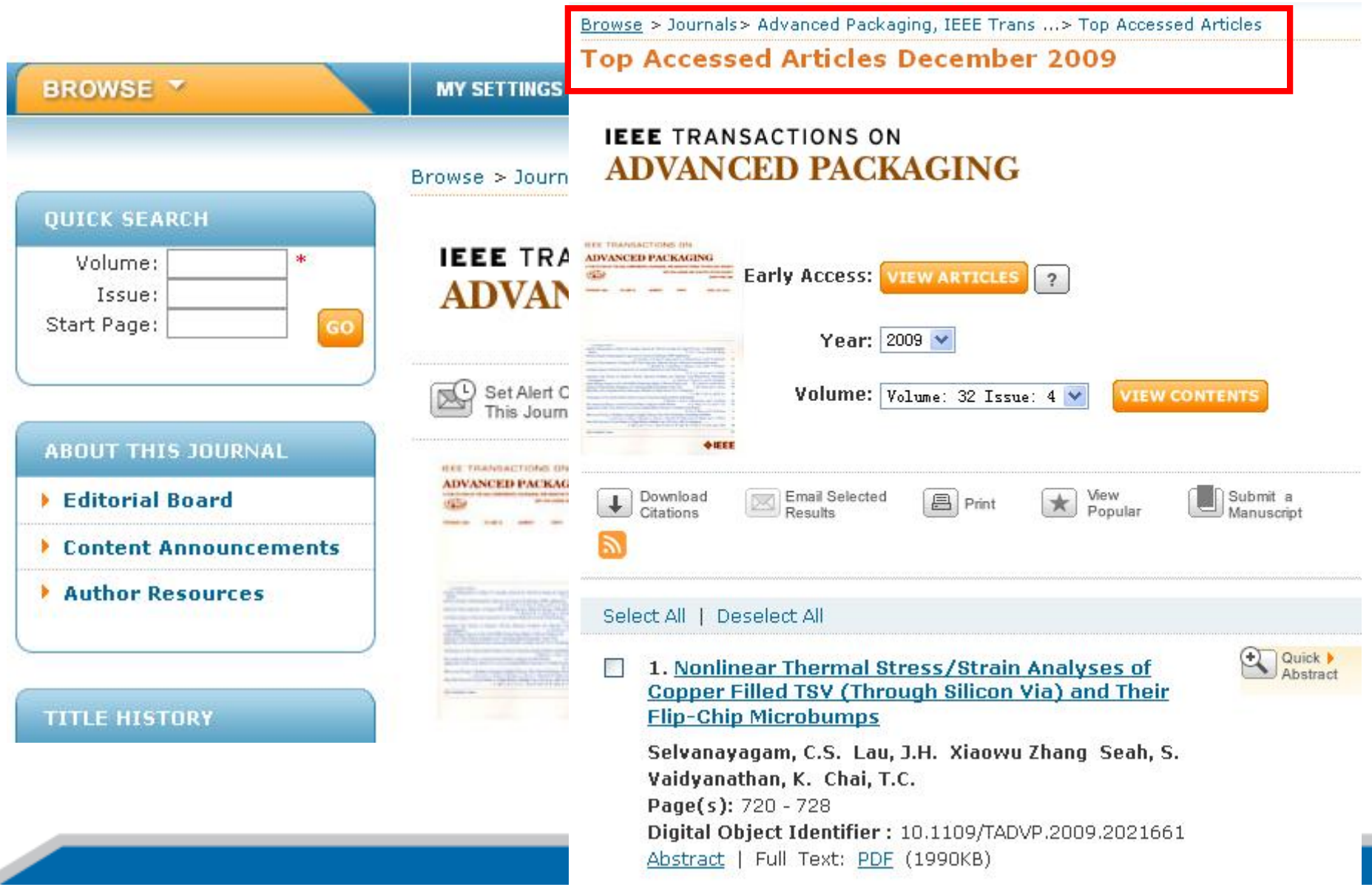

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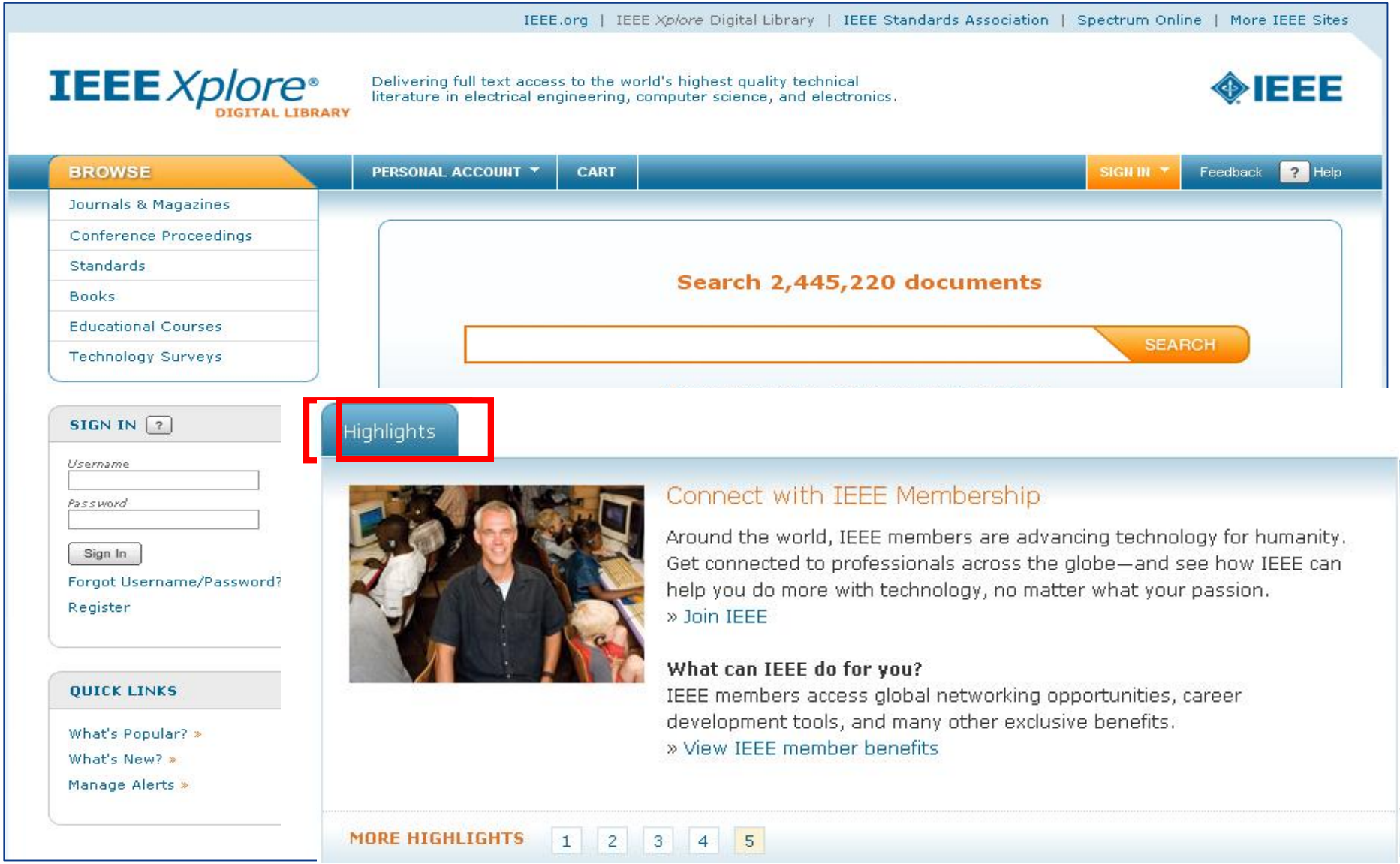

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