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# 指引科学的方向

— 巧用ScienceDirect助力高效科研

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# Agenda

- ScienceDirect平台资源简介
- 英文文献检索和阅读攻略技巧分享
- 大数据视角选题投稿选刊技巧分享
- Q&A



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- 我该如何追踪科研热点？
- 哪些期刊和我的研究方向所匹配？

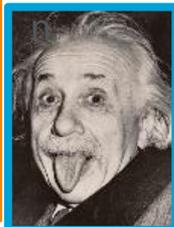
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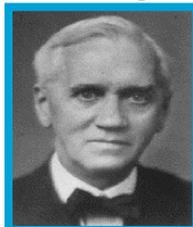


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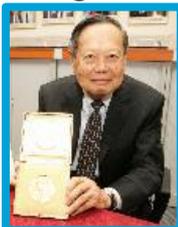
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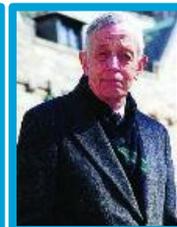
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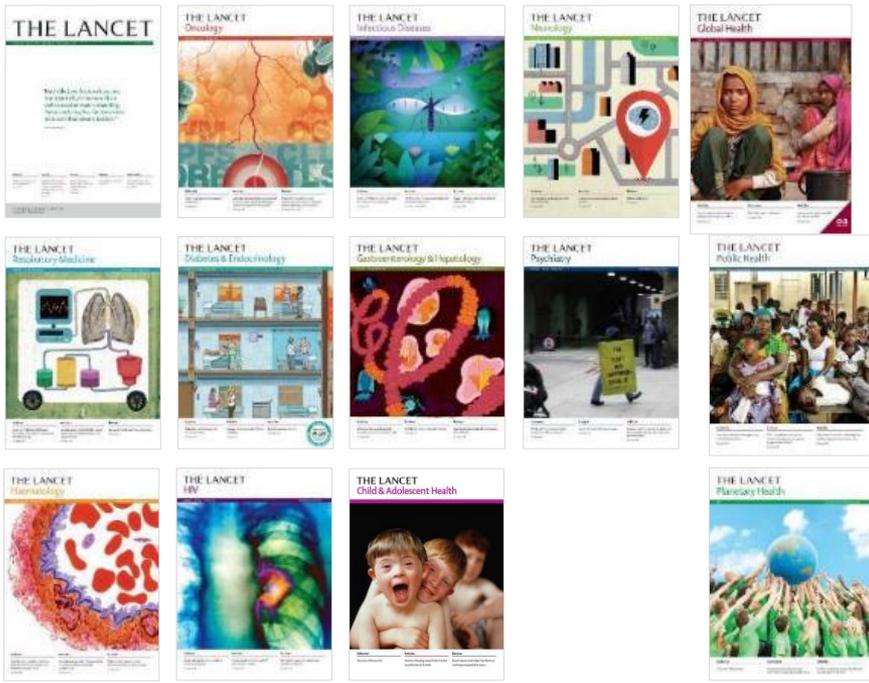


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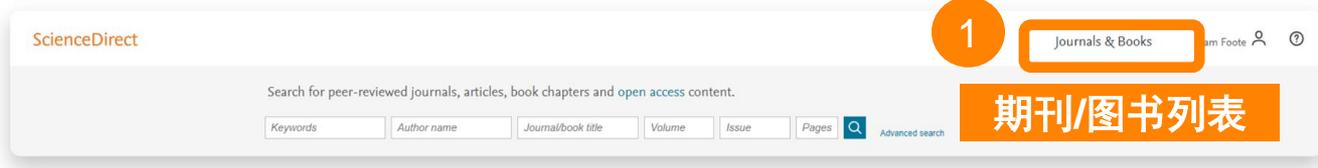


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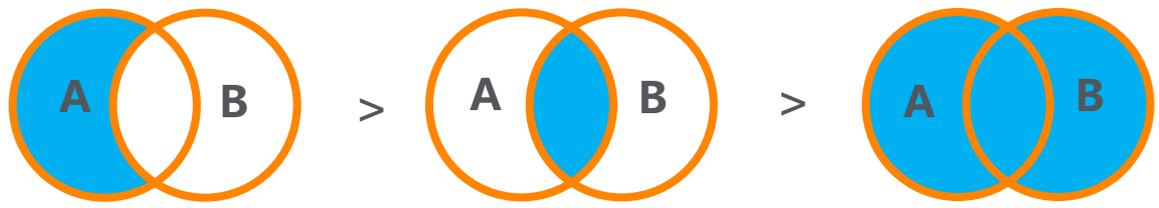
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Journal of Cleaner Production, 15 April 2024

Lili Guo, Meiyi Yang, ... Houjian Li



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Resources Policy, May 2024

Aimin Li, Shuyu Zhou

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Handbook of the Economics of Education, 2023

David J. Deming

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Resilient and Sustainable Cities, 2023

Zaheer Allam, Didier Chabaud, ... Carlos Moreno

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Review article [Open access](#)

3 A review on the gendered impact of COVID-19 pandemic towards achieving sustainable development goals in Bangladesh: Ecofeminist perspectives on the response to COVID-19 pandemic

Heliyon, March 2023

Sadia Afrin, Mashura Shammi

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1 Digital economy and settlement intention of migrants in urban China

Telecommunications Policy, Available online 29 September 2023

Jianyu Pan, Zhitao Xu, Mingzhi Hu

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... This paper utilizes data from the China Migrants Dynamic Survey (CMDS) and the digital economy index ... at the city level to empirically examine the impact of the digital economy on migrants' settlement intention ... The results reveal a substantial enhancement in migrants' settlement intention due to the digital economy ...

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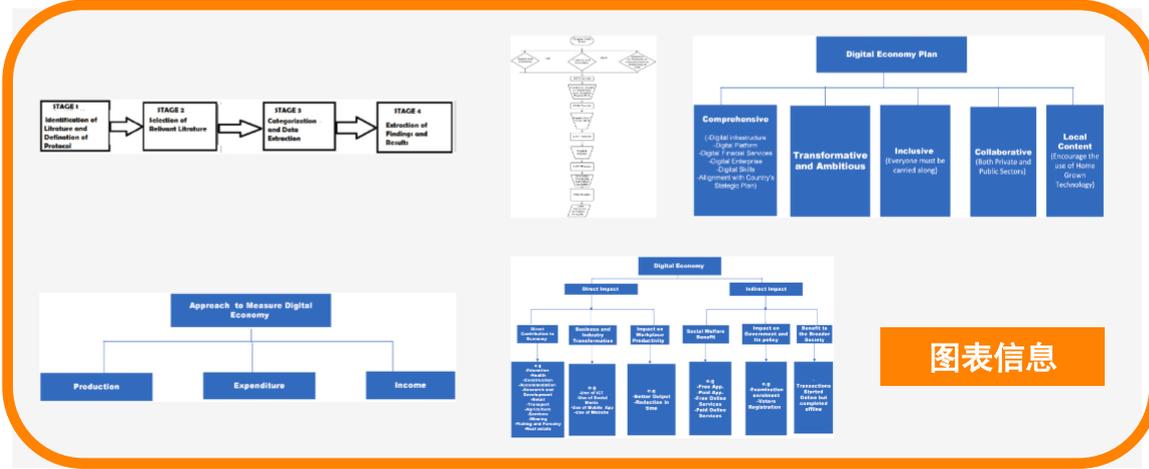
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2 Measuring the impact of the digital economy in developing countries: A systematic review and meta- analysis

Heliyon, 7 July 2023

Abdulkarim A. Oloyede, Nasir Faruk, ... Augustine K. Nwaulune

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Inorganic Chemistry Communications, Volume 10, Issue 4, April 2007, Pages 498-501  
Bing Liu, Xiu-Cheng Zhang, Yong-Hong Chen

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Outline

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Protons Potentiate Both Capsaicin- and Heat-Evoked R

Protons Activate VR1 at Normal Physiological Temperat

Distribution of VR1 Protein

Discussion

VR1 is a Polymodal Signal Detector

VR1 As a Mediator of Sustained Proton Responses In Vi

VR1 Localization and Nociceptor Heterogeneity

Polymodal Activation of VR1 In Vivo

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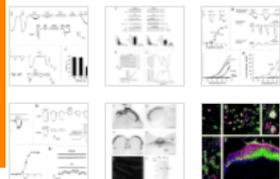
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## Neuron

Volume 21, Issue 3, September 1998, Pages 531-543

期刊信息



Article

### The Cloned Capsaicin Receptor Integrates Multiple Pain-Producing Stimuli

Makoto Tominaga<sup>1</sup>, Michael J Caterina<sup>1</sup>, Annika B Malmberg<sup>2</sup>, Tobias A Rosen<sup>3</sup>, Michael Gilbert<sup>2</sup>, Kate Skinner<sup>2</sup>, Brigitte E Raumann<sup>1</sup>, Allan I Basbaum<sup>2</sup>, David Julius<sup>1,2,8</sup>

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Abstract

摘要

Capsaicin, the main pungent ingredient in “hot” chili peppers, elicits burning pain by activating specific (vanilloid) receptors on sensory nerve endings. The cloned vanilloid receptor (VR1) is a cation channel that is also activated by noxious heat. Here, analysis of heat-evoked single channel currents in excised membrane patches suggests that heat gates VR1 directly. We also show that protons decrease the temperature threshold for VR1 activation such that even moderately acidic conditions (pH  $\leq$  5.9) activate VR1 at room temperature. VR1 can therefore be viewed as a molecular integrator of chemical and physical stimuli that elicit pain. Immunocytochemical analysis indicates that the receptor is located in a neurochemically heterogeneous population of small diameter primary afferent fibers. A role for VR1 in injury-induced hypersensitivity at the level of the sensory neuron is presented.

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推荐文献

Temperature Sensing by Thermal TRP

Neuroscience, Volume 261, 2014, pp. 153-160

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The Role of Allosteric Coupling on The

Biophysical Journal, Volume 104, Issue 10

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Temperature Sensing by Thermal TRP

Current Topics in Membranes, Volume 74, 2

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David Julius

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Department of Cellular and Molecular Pharmacology, W. M. Keck Foundation Center for Integrative, Neuroscience, University of California, San Francisco, California 94143, USA

To whom correspondence should be addressed.

Corresponding author: David Julius, 415 476 0431 (phone), 415 502 8644 (fax)

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More documents by David Julius

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Structural snapshots of TRPV1 reveal mechanism of polymodal functionality

Zhang, K., Julius, D., Cheng, Y.

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Irritant-evoked activation and calcium modulation of the TRPA1 receptor

Zhao, J., Lin King, J.V., Paulsen, C.E., Cheng, Y., Julius, D.

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## Julius, David J.

Julius, David J.; Julius, D. J.; Julius, David; Julius, D.  
University of California, San Francisco, San Francisco, United States

附属机构历史记录

- 1991 - 2021 University of California, San Francisco, San Francisco, United States
- 2012 UCSE School of Medicine, San Francisco, United States
- 2011 University of San Francisco, San Francisco, United States
- 2006 U.C.S.F., United States
- 2001 Johns Hopkins School of Medicine, Baltimore, United States
- 1988 - 1990 Columbia University, New York, United States
- 1988 - 1990 Vagelos College of Physicians and Surgeons, New York, United States
- 1988 - 1990 Howard Hughes Medical Institute, Chevy Chase, United States
- 1990 Stanford University Medical Center, Stanford, United States
- 1979 - 1984 University of California, Berkeley, Berkeley, United States

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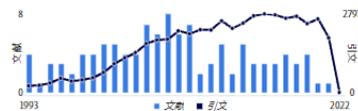
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Cell

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Article

## Structural snapshots of TRPV1 reveal mechanism of polymodal functionality

Kaihua Zhang<sup>1</sup>, David Julius<sup>2,3</sup>, Yifan Cheng<sup>1,3,4,5,8</sup>

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## Gas channels and chimneys prediction using artificial neural networks and multi-seismic attributes, offshore West Nile Delta, Egypt

[Amir Ismail](#)<sup>a</sup>, [Hatem Farouk Ewida](#)<sup>c</sup>, [Sahar Nazeri](#)<sup>b</sup>, [Mohammad Galal Al-Ibryi](#)<sup>a</sup>, [Aldo Zollo](#)<sup>b</sup>

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### Highlights

- Artificial Intelligence (AI) identifies the spatial dimensions of the gas-bearing channels.
- Use both Multi-Layer Perceptron (MLP) and self-organizing Unsupervised Vector Quantizer (UVQ) to detect the gas zones and channels, classify the gas chimneys and non-gas chimneys zones.
- The role of ANNs techniques combined with multi-seismic attributes and well logs in hydrocarbon exploration.

### Abstract

Machine learning techniques combined with multi-seismic attributes and well logs datasets have been successfully used in reducing the risk of drilling operations and petroleum exploration by providing precise petrophysical and seismic information extracted from the [hydrocarbon reservoir](#) rocks. For this purpose, [Artificial Neural Networks](#) (ANNs) work as a multi-channel processing system with a high degree of interconnection to classify various faces and predict the reservoir properties through the seismic profile by involving multi-seismic attributes and optionally well logs to the inputs. The main aim of this study is to use both supervised and unsupervised neural networks for the first time in the West Delta Deep Marine (WDDM) concession to identify the spatial dimensions of the gas-bearing channels and the detection of gas chimneys across the seismic profiles. We use back-error propagation algorithms of the Multilayer [Perceptron](#) (MLP) and self-organizing Unsupervised Vector Quantizer (UVQ) as supervised and unsupervised neural network methods, respectively, to detect the gas zones and channels, and to classify the gas chimneys and non-gas chimneys zones, as well as classification of the [seismic reflections](#) and [lithologies](#). The output acquires a

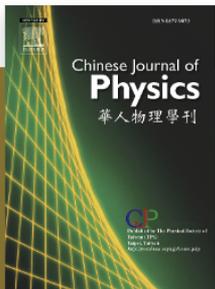
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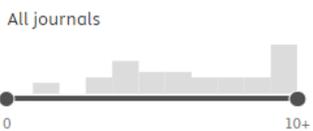
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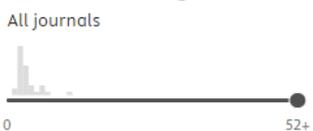
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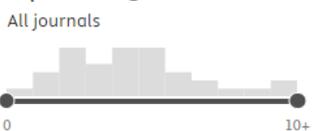
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