

Accepted Manuscript

Research report

Pepper with and without a sting: brain processing of intranasal trigeminal and olfactory stimuli from the same source

Pengfei Han, Stephanie Mann, Claudia Raue, Jonathan Warr, Thomas Hummel

PII: S0006-8993(18)30387-1

DOI: <https://doi.org/10.1016/j.brainres.2018.07.010>

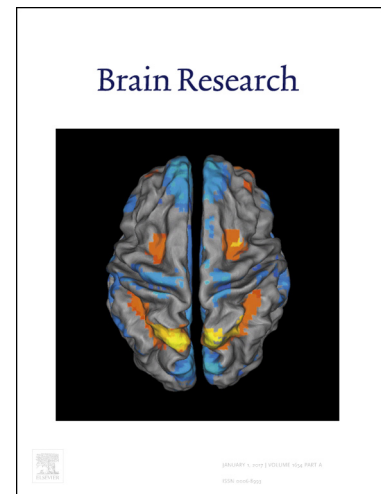
Reference: BRES 45877

To appear in: *Brain Research*

Received Date: 18 May 2018

Revised Date: 22 June 2018

Accepted Date: 9 July 2018



Please cite this article as: P. Han, S. Mann, C. Raue, J. Warr, T. Hummel, Pepper with and without a sting: brain processing of intranasal trigeminal and olfactory stimuli from the same source, *Brain Research* (2018), doi: <https://doi.org/10.1016/j.brainres.2018.07.010>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Pepper with and without a sting: brain processing of intranasal trigeminal and olfactory stimuli from the same source

Pengfei Han^{1*}, Stephanie Mann¹, Claudia Raue², Jonathan Warr³, Thomas Hummel¹

¹ Smell & Taste Clinic, Department of Otorhinolaryngology, TU Dresden, Dresden, Germany

² Department of Neuroradiology, TU Dresden, Dresden, Germany

³ Takasago Europe Perfumery Laboratory, Paris, France.

Short title: Piperine and pepper aroma

Key words: Trigeminal stimuli; olfactory stimuli; black pepper; functional magnetic resonance imaging (fMRI);

Acknowledgements: The study was supported by a grant from the Deutsche Forschungsgemeinschaft to TH (DFG 441/18-1). This research was additionally supported by Takasago Europe Perfumery Laboratory, Paris, France.

Potential conflict of interest: None

***Correspond to:** Pengfei Han, Smell & Taste Clinic, Department of Otorhinolaryngology, TU Medical School, Fetscherstrasse 74, 01307 Dresden, Germany; phone +49 351 458 4189; Fax +49 351 458 4326; E-mail: pengfeihan88@gmail.com

Download English Version:

<https://daneshyari.com/en/article/8839616>

Download Persian Version:

<https://daneshyari.com/article/8839616>

[Daneshyari.com](https://daneshyari.com)