

# Jessica Freiherr

## List of Publications by Year in descending order

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Version: 2024-02-01

88  
papers

4,191  
citations

159525

30  
h-index

123376

61  
g-index

95  
all docs

95  
docs citations

95  
times ranked

5202  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Intranasal Insulin as a Treatment for Alzheimer's Disease: A Review of Basic Research and Clinical Evidence. <i>CNS Drugs</i> , 2013, 27, 505-514.                             | 2.7 | 402       |
| 2  | More Than Smell—COVID-19 Is Associated With Severe Impairment of Smell, Taste, and Chemesthesis. <i>Chemical Senses</i> , 2020, 45, 609-622.                                   | 1.1 | 375       |
| 3  | Reduced perception of bodily signals in anorexia nervosa. <i>Eating Behaviors</i> , 2008, 9, 381-388.  | 1.1 | 345       |
| 4  | Central Processing of the Chemical Senses: An Overview. <i>ACS Chemical Neuroscience</i> , 2011, 2, 5-16.  | 1.7 | 193       |
| 5  | Identification of human gustatory cortex by activation likelihood estimation. <i>Human Brain Mapping</i> , 2011, 32, 2256-2266.  | 1.9 | 176       |
| 6  | Statistical localization of human olfactory cortex. <i>NeuroImage</i> , 2013, 66, 333-342.   | 2.1 | 160       |
| 7  | Multisensory integration mechanisms during aging. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 863.   | 1.0 | 134       |
| 8  | Methods for building an inexpensive computer-controlled olfactometer for temporally-precise experiments. <i>International Journal of Psychophysiology</i> , 2010, 78, 179-189. | 0.5 | 124       |
| 9  | Recent Smell Loss Is the Best Predictor of COVID-19 Among Individuals With Recent Respiratory Symptoms. <i>Chemical Senses</i> , 2021, 46, .                                   | 1.1 | 119       |
| 10 | Brain activations during pain. <i>Pain</i> , 2016, 157, 1279-1286.   | 2.0 | 116       |
| 11 | Orbitofrontal Cortex and Olfactory Bulb Volume Predict Distinct Aspects of Olfactory Performance in Healthy Subjects. <i>Cerebral Cortex</i> , 2013, 23, 2448-2456.            | 1.6 | 110       |
| 12 | The neuronal correlates of intranasal trigeminal function—an ALE meta-analysis of human functional brain imaging data. <i>Brain Research Reviews</i> , 2010, 62, 183-196.      | 9.1 | 109       |
| 13 | Deep Learning-Based Detection of Intracranial Aneurysms in 3D TOF-MRA. <i>American Journal of Neuroradiology</i> , 2019, 40, 25-32.  | 1.2 | 107       |
| 14 | Smelling Chemosensory Signals of Males in Anxious Versus Nonanxious Condition Increases State Anxiety of Female Subjects. <i>Chemical Senses</i> , 2011, 36, 19-27.            | 1.1 | 99        |
| 15 | Emotional Stimulation Alters Olfactory Sensitivity and Odor Judgment. <i>Chemical Senses</i> , 2007, 32, 583-589.  | 1.1 | 85        |
| 16 | Neuronal correlates of emotional processing in patients with major depression. <i>World Journal of Biological Psychiatry</i> , 2009, 10, 202-208.                              | 1.3 | 81        |
| 17 | Reduced olfactory sensitivity in subjects with depressive symptoms. <i>Journal of Affective Disorders</i> , 2007, 102, 101-108.  | 2.0 | 80        |
| 18 | The 40-item Monell Extended Sniffin Sticks Identification Test (MONEX-40). <i>Journal of Neuroscience Methods</i> , 2012, 205, 10-16.  | 1.3 | 75        |

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|----|---|-----|-----------|
| 19 | Trigeminal perception is necessary to localize odors. <i>Physiology and Behavior</i> , 2009, 97, 401-405.   | 1.0 | 62        |
| 20 | Central Insulin Administration Improves Odor-Cued Reactivation of Spatial Memory in Young Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 212-219.  | 1.8 | 57        |
| 21 | No fear no risk! Human risk behavior is affected by chemosensory anxiety signals. <i>Neuropsychologia</i> , 2010, 48, 3901-3908.  | 0.7 | 55        |
| 22 | You Smell Dangerous: Communicating Fight Responses Through Human Chemosignals of Aggression. <i>Chemical Senses</i> , 2016, 41, 35-43.  | 1.1 | 53        |
| 23 | Intranasal Insulin Reduces Olfactory Sensitivity in Normosmic Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, E1626-E1630.  | 1.8 | 48        |
| 24 | Perception of specific trigeminal chemosensory agonists. <i>Neuroscience</i> , 2011, 189, 377-383.  | 1.1 | 47        |
| 25 | Eye closure in darkness animates olfactory and gustatory cortical areas. <i>NeuroImage</i> , 2006, 32, 293-300.   | 2.1 | 45        |
| 26 | Effects of Male Anxiety Chemosignals on the Evaluation of Happy Facial Expressions. <i>Journal of Psychophysiology</i> , 2011, 25, 116-123.   | 0.3 | 45        |
| 27 | Performance of a Deep-Learning Neural Network to Detect Intracranial Aneurysms from 3D TOF-MRA Compared to Human Readers. <i>Clinical Neuroradiology</i> , 2020, 30, 591-598.   | 1.0 | 40        |
| 28 | Test-Retest Reliability of the Olfactory Detection Threshold Test of the Sniffin' Sticks. <i>Chemical Senses</i> , 2008, 33, 461-467.   | 1.1 | 36        |
| 29 | Model-free fMRI group analysis using FENICA. <i>NeuroImage</i> , 2011, 55, 185-193.   | 2.1 | 35        |
| 30 | Altered likelihood of brain activation in attention and working memory networks in patients with multiple sclerosis: An ALE meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 2699-2708.                                 | 2.9 | 35        |
| 31 | Cerebral changes and cognitive dysfunctions in medication-free schizophrenia – An fMRI study. <i>Journal of Psychiatric Research</i> , 2008, 42, 469-476.   | 1.5 | 29        |
| 32 | The influence of androstadienone during psychosocial stress is modulated by gender, trait anxiety and subjective stress: An fMRI study. <i>Psychoneuroendocrinology</i> , 2016, 68, 126-139.  | 1.3 | 29        |
| 33 | Multisensory Enhancement of Odor Object Processing in Primary Olfactory Cortex. <i>Neuroscience</i> , 2019, 418, 254-265.   | 1.1 | 28        |
| 34 | Activation of olfactory and trigeminal cortical areas following stimulation of the nasal mucosa with low concentrations of S(âˆš)â€œnicotine vaporâ€œ”An fMRI study on chemosensory perception. <i>Human Brain Mapping</i> , 2009, 30, 699-710. | 1.9 | 27        |
| 35 | Investigation of Breathing Parameters during Odor Perception and Olfactory Imagery. <i>Chemical Senses</i> , 2008, 34, 1-9.   | 1.1 | 26        |
| 36 | Chemosensory danger detection in the human brain: Body odor communicating aggression modulates limbic system activation. <i>Neuropsychologia</i> , 2017, 99, 187-198.   | 0.7 | 26        |

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|----|---|-----|-----------|
| 37 | Activation of Primary and Secondary Somatosensory Regions Following Tactile Stimulation of the Face. <i>Klinische Neuroradiologie</i> , 2009, 19, 135-144.  | 0.9 | 25        |
| 38 | The Influence of Menstrual Cycle and Androstadienone on Female Stress Reactions: An fMRI Study. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 44.  | 1.0 | 24        |
| 39 | Cognitive Load Alters Neuronal Processing of Food Odors. <i>Chemical Senses</i> , 2017, 42, 723-736.  | 1.1 | 24        |
| 40 | Size of nostril opening as a measure of intranasal volume. <i>Physiology and Behavior</i> , 2013, 110-111, 3-5.   | 1.0 | 23        |
| 41 | Insulin Resistance Is Associated with Reduced Food Odor Sensitivity across a Wide Range of Body Weights. <i>Nutrients</i> , 2020, 12, 2201.   | 1.7 | 22        |
| 42 | Audio-visual and olfactory-visual integration in healthy participants and subjects with autism spectrum disorder. <i>Human Brain Mapping</i> , 2019, 40, 4470-4486.   | 1.9 | 21        |
| 43 | Multisensory integration processing during olfactory-visual stimulation: An fMRI graph theoretical network analysis. <i>Human Brain Mapping</i> , 2018, 39, 3713-3727.  | 1.9 | 20        |
| 44 | The human body odor compound androstadienone leads to anger-dependent effects in an emotional Stroop but not dot-probe task using human faces. <i>PLoS ONE</i> , 2017, 12, e0175055.                                | 1.1 | 17        |
| 45 | A Phenotyping Platform to Characterize Healthy Individuals Across Four Stages of Life - The Enable Study. <i>Frontiers in Nutrition</i> , 2020, 7, 582387.  | 1.6 | 15        |
| 46 | Chemosensory Communication of Gender Information: Masculinity Bias in Body Odor Perception and Femininity Bias Introduced by Chemosignals During Social Perception. <i>Frontiers in Psychology</i> , 2015, 6, 1980. | 1.1 | 13        |
| 47 | Olfactory functioning in adults with Tourette syndrome. <i>PLoS ONE</i> , 2018, 13, e0197598.   | 1.1 | 13        |
| 48 | Neuroimaging of smell and taste. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2019, 164, 263-282.  | 1.0 | 13        |
| 49 | Olfactory Function is Affected in Patients with Cirrhosis Depending on the Severity of Hepatic Encephalopathy. <i>Annals of Hepatology</i> , 2018, 17, 822-829.   | 0.6 | 12        |
| 50 | Comparison of two different odorants in an olfactory detection threshold test of the Sniffin- <sup>TM</sup> Sticks. <i>Rhinology</i> , 2010, 48, 368-373.   | 0.7 | 12        |
| 51 | Correlation analyses of detection thresholds of four different odorants. <i>Rhinology</i> , 2011, 49, 331-336.  | 0.7 | 12        |
| 52 | New similarity search based glioma grading. <i>Neuroradiology</i> , 2012, 54, 829-837.  | 1.1 | 11        |
| 53 | Development and Validation of a Food-Associated Olfactory Test (FAOT). <i>Chemical Senses</i> , 2017, 42, bjw099.   | 1.1 | 11        |
| 54 | Odor Sensitivity After Intranasal Insulin Application Is Modulated by Gender. <i>Frontiers in Endocrinology</i> , 2018, 9, 580.   | 1.5 | 11        |

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|----|---|-----|-----------|
| 55 | Susceptibility-Weighted Angiography Visualizes Hypoxia in Cerebral Veins. <i>Investigative Radiology</i> , 2015, 50, 397-400.   | 3.5 | 10        |
| 56 | Neural correlates of olfactory and visual memory performance in 3D-simulated mazes after intranasal insulin application. <i>Neurobiology of Learning and Memory</i> , 2016, 134, 256-263.   | 1.0 | 10        |
| 57 | The human body odor compound androstadienone increases neural conflict coupled to higher behavioral costs during an emotional Stroop task. <i>NeuroImage</i> , 2018, 171, 364-375.  | 2.1 | 10        |
| 58 | Superadditive and Subadditive Neural Processing of Dynamic Auditory-Visual Objects in the Presence of Congruent Odors. <i>Chemical Senses</i> , 2018, 43, 35-44.  | 1.1 | 10        |
| 59 | Semantic Congruence Alters Functional Connectivity during Olfactory-Visual Perception. <i>Chemical Senses</i> , 2018, 43, 599-610.  | 1.1 | 10        |
| 60 | Trimodal processing of complex stimuli in inferior parietal cortex is modality-independent. <i>Cortex</i> , 2021, 139, 198-210.   | 1.1 | 10        |
| 61 | Intramodal Olfactory Priming of Positive and Negative Odors in Humans Using Respiration-Triggered Olfactory Stimulation (RETROS). <i>Chemical Senses</i> , 2016, 41, bjw060.  | 1.1 | 9         |
| 62 | Externalization Errors of Olfactory Source Monitoring in Healthy Controls—An fMRI Study. <i>Chemical Senses</i> , 2019, 44, 593-606.  | 1.1 | 9         |
| 63 | Reduction of olfactory sensitivity during normobaric hypoxia. <i>Auris Nasus Larynx</i> , 2018, 45, 747-752.  | 0.5 | 9         |
| 64 | Potential Impact of a 32-Channel Receiving Head Coil Technology on the Results of a Functional MRI Paradigm. <i>Klinische Neuroradiologie</i> , 2010, 20, 223-229.  | 0.9 | 8         |
| 65 | Chemosensory Properties of Human Sweat. <i>Chemical Senses</i> , 2010, 35, 101-108.   | 1.1 | 8         |
| 66 | Intranasal Insulin Boosts Gustatory Sensitivity. <i>Journal of Neuroendocrinology</i> , 2017, 29, .   | 1.2 | 8         |
| 67 | Bayesian informed evidence against modulation of androstadienone-effects by genotypic receptor variants and participant sex: A study assessing Stroop interference control, mood and olfaction. <i>Hormones and Behavior</i> , 2018, 98, 45-54. | 1.0 | 8         |
| 68 | Seeing faces, when faces can't be seen: Wearing portrait photos has a positive effect on how patients perceive medical staff when face masks have to be worn. <i>PLoS ONE</i> , 2021, 16, e0251445.   | 1.1 | 7         |
| 69 | Echo Time Dependence of BOLD fMRI Studies of the Piriform Cortex. <i>Klinische Neuroradiologie</i> , 2009, 19, 275-282.   | 0.9 | 6         |
| 70 | Depicting the inner and outer nose: The representation of the nose and the nasal mucosa on the human primary somatosensory cortex (SI). <i>Human Brain Mapping</i> , 2014, 35, 4751-4766.   | 1.9 | 6         |
| 71 | Endovascular stroke treatment now and then—procedural and clinical effectiveness and safety of different mechanical thrombectomy techniques over time. <i>Quantitative Imaging in Medicine and Surgery</i> , 2017, 7, 1-7.                      | 1.1 | 6         |
| 72 | Rapid Assessment of Olfactory Sensitivity Using the "Sniffin" Sticks. <i>Chemosensory Perception</i> , 2020, 13, 37-44.   | 0.7 | 6         |

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|----|--|-----|-----------|
| 73 | A Multisensory Deficit in the Perception of Pleasantness in Parkinson's Disease. <i>Journal of Parkinson's Disease</i> , 2021, 11, 2035-2045.  | 1.5 | 6         |
| 74 | Frequency and appearance of hemosiderin depositions after aneurysmal subarachnoid hemorrhage treated by endovascular therapy. <i>Neuroradiology</i> , 2015, 57, 999-1006.  | 1.1 | 5         |
| 75 | A Masked Aversive Odor Cannot Be Discriminated From the Masking Odor but Can Be Identified Through Odor Quality Ratings and Neural Activation Patterns. <i>Frontiers in Neuroscience</i> , 2019, 13, 1219.               | 1.4 | 5         |
| 76 | Fast Olfactory Threshold Determination Using an Ascending Limits Procedure. <i>Chemosensory Perception</i> , 2018, 11, 35-41.  | 0.7 | 5         |
| 77 | Bad Mood – Bad Activation?. <i>Klinische Neuroradiologie</i> , 2010, 20, 153-159.  | 0.9 | 4         |
| 78 | Implicit Affective Rivalry: A Behavioral and fMRI Study Combining Olfactory and Auditory Stimulation. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 313.   | 1.0 | 4         |
| 79 | Eucalyptol Masks the Olfactory But Not the Trigeminal Sensation of Ammonia. <i>Chemical Senses</i> , 2019, 44, 733-741.  | 1.1 | 4         |
| 80 | The scent of the other women: Body odor-induced behavioral and physiological effects on face categorization. <i>Physiology and Behavior</i> , 2019, 210, 112562.   | 1.0 | 4         |
| 81 | Cortical Olfactory Processing. , 2017, , 97-98.  |     | 4         |
| 82 | Olfaktorik. , 2013, , 505-521.   |     | 4         |
| 83 | Out of the woods: psychophysiological investigations on wood odors to estimate their suitability as ambient scents. <i>Wood Science and Technology</i> , 2020, 54, 1385-1400.  | 1.4 | 3         |
| 84 | Less is more: Removing a modality of an expected olfactory-visual stimulation enhances brain activation. <i>Human Brain Mapping</i> , 2022, 43, 2567-2581.   | 1.9 | 3         |
| 85 | Playing Tetris Lets You Rate Odors as Less Intense. <i>Frontiers in Psychology</i> , 2021, 12, 657188.   | 1.1 | 2         |
| 86 | Gender-Dependent Crossmodal Interactions Between Olfactory and Tactile Stimulation Revealed Using the Unimodal Tactile Stimulation Device (UniTaSD). <i>Chemical Senses</i> , 2021, 46, .                                | 1.1 | 1         |
| 87 | Some like it, some do not: behavioral responses and central processing of olfactory-trigeminal mixture perception. <i>Brain Structure and Function</i> , 2021, 226, 247-261.   | 1.2 | 1         |
| 88 | Bloody olfaction? Confounding associations of sex and age on the influence of blood parameters and body weight on odor identification performance in healthy adults. <i>Physiology and Behavior</i> , 2022, 254, 113907. | 1.0 | 1         |