

Moustafa Bensafi

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

4,131
citations

126708

33
h-index

138251

58
g-index

118
all docs

118
docs citations

118
times ranked

3150
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Attentional modulation in human primary olfactory cortex. <i>Nature Neuroscience</i> , 2005, 8, 114-120.	7.1	241
3	Autonomic Nervous System Responses to Odours: the Role of Pleasantness and Arousal. <i>Chemical Senses</i> , 2002, 27, 703-709.	1.1	240
4	Olfactomotor activity during imagery mimics that during perception. <i>Nature Neuroscience</i> , 2003, 6, 1142-1144.	7.1	156
5	Hedonic-Specific Activity in Piriform Cortex During Odor Imagery Mimics That During Odor Perception. <i>Journal of Neurophysiology</i> , 2007, 98, 3254-3262.	0.9	133
6	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
7	Influence of affective and cognitive judgments on autonomic parameters during inhalation of pleasant and unpleasant odors in humans. <i>Neuroscience Letters</i> , 2002, 319, 162-166.	1.0	99
8	Molecular complexity determines the number of olfactory notes and the pleasantness of smells. <i>Scientific Reports</i> , 2011, 1, 206.	1.6	89
9	Global Features of Neural Activity in the Olfactory System Form a Parallel Code That Predicts Olfactory Behavior and Perception. <i>Journal of Neuroscience</i> , 2010, 30, 9017-9026.	1.7	86
10	One nostril knows what the other learns. <i>Nature</i> , 2002, 419, 802-802.	13.7	84
11	Olfactory function in children assessed with psychophysical and electrophysiological techniques. <i>Behavioural Brain Research</i> , 2007, 180, 133-138.	1.2	83
12	Sniffing human sex-steroid derived compounds modulates mood, memory and autonomic nervous system function in specific behavioral contexts. <i>Behavioural Brain Research</i> , 2003, 152, 11-22.	1.2	79
13	Humans and Mice Express Similar Olfactory Preferences. <i>PLoS ONE</i> , 2009, 4, e4209.	1.1	78
14	Sex-Steroid Derived Compounds Induce Sex-Specific Effects on Autonomic Nervous System Function in Humans.. <i>Behavioral Neuroscience</i> , 2003, 117, 1125-1134.	0.6	77
15	Smell and taste changes are early indicators of the COVID-19 pandemic and political decision effectiveness. <i>Nature Communications</i> , 2020, 11, 5152.	5.8	74
16	Asymmetry of pleasant vs. unpleasant odor processing during affective judgment in humans. <i>Neuroscience Letters</i> , 2002, 328, 309-313.	1.0	72
17	Verbal Cues Modulate Hedonic Perception of Odors in 5-Year-Old Children as well as in Adults. <i>Chemical Senses</i> , 2007, 32, 855-862.	1.1	71
18	Psychophysiological correlates of affects in human olfaction. <i>Neurophysiologie Clinique</i> , 2002, 32, 326-332.	1.0	69

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19	Sniffing a human sex-steroid derived compound affects mood and autonomic arousal in a dose-dependent manner. <i>Psychoneuroendocrinology</i> , 2004, 29, 1290-1299.	1.3	65
20	Neural coding of stimulus concentration in the human olfactory and intranasal trigeminal systems. <i>Neuroscience</i> , 2008, 154, 832-838.	1.1	64
21	Odorant-specific Patterns of Sniffing during Imagery Distinguish "Bad" and "Good" Olfactory Imagers. <i>Chemical Senses</i> , 2005, 30, 521-529.	1.1	56
22	Involvement of right piriform cortex in olfactory familiarity judgments. <i>NeuroImage</i> , 2005, 24, 1032-1041.	2.1	56
23	Individual Differences in Odor Imaging Ability Reflect Differences in Olfactory and Emotional Perception. <i>Chemical Senses</i> , 2007, 32, 237-244.	1.1	55
24	Relationship Between Odor Intensity Estimates and COVID-19 Prevalence Prediction in a Swedish Population. <i>Chemical Senses</i> , 2020, 45, 449-456.	1.1	53
25	Odor Perception in Children with Autism Spectrum Disorder and its Relationship to Food Neophobia. <i>Frontiers in Psychology</i> , 2015, 6, 1830.	1.1	51
26	Perceptual, affective, and cognitive judgments of odors: Pleasantness and handedness effects. <i>Brain and Cognition</i> , 2003, 51, 270-275.	0.8	50
27	Odor hedonics and their modulators. <i>Food Quality and Preference</i> , 2009, 20, 545-549.	2.3	50
28	Effect of Aging on Hedonic Appreciation of Pleasant and Unpleasant Odors. <i>PLoS ONE</i> , 2013, 8, e61376.	1.1	46
29	Impaired Odor Perception in Autism Spectrum Disorder Is Associated with Decreased Activity in Olfactory Cortex. <i>Chemical Senses</i> , 2018, 43, 627-634.	1.1	42
30	The effect of early experience on odor perception in humans: Psychological and physiological correlates. <i>Behavioural Brain Research</i> , 2010, 208, 458-465.	1.2	41
31	Dissociated Representations of Pleasant and Unpleasant Olfacto-Trigeminal Mixtures: An fMRI Study. <i>PLoS ONE</i> , 2012, 7, e38358.	1.1	38
32	Multidimensional representation of odors in the human olfactory cortex. <i>Human Brain Mapping</i> , 2016, 37, 2161-2172.	1.9	38
33	Relationship between food behavior and taste and smell alterations in cancer patients undergoing chemotherapy: A structured review. <i>Seminars in Oncology</i> , 2019, 46, 160-172.	0.8	38
34	The role of hedonics in the Human Affectome. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 102, 221-241.	2.9	38
35	Repeated exposure to odors induces affective habituation of perception and sniffing. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 119.	1.0	37
36	Pleasantness and trigeminal sensations as salient dimensions in organizing the semantic and physiological spaces of odors. <i>Scientific Reports</i> , 2018, 8, 8444.	1.6	36

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37	Chemical features mining provides new descriptive structure-odor relationships. <i>PLoS Computational Biology</i> , 2019, 15, e1006945.	1.5	34
38	Modulation of visual event-related potentials by emotional olfactory stimuli. <i>Neurophysiologie Clinique</i> , 2002, 32, 335-342.	1.0	33
39	A portable experimental apparatus for human olfactory fMRI experiments. <i>Journal of Neuroscience Methods</i> , 2013, 218, 29-38.	1.3	33
40	Semantic Knowledge Influences Prewired Hedonic Responses to Odors. <i>PLoS ONE</i> , 2010, 5, e13878.	1.1	32
41	The neural representation of odor is modulated by the presence of a trigeminal stimulus during odor encoding. <i>Clinical Neurophysiology</i> , 2007, 118, 696-701.	0.7	31
42	Synergy and Masking in Odor Mixtures: An Electrophysiological Study of Orthonasal vs. Retronasal Perception. <i>Chemical Senses</i> , 2008, 33, 553-561.	1.1	31
43	Dysosmia-Associated Changes in Eating Behavior. <i>Chemosensory Perception</i> , 2017, 10, 104-113.	0.7	29
44	Does olfactory specific satiety take place in a natural setting?. <i>Appetite</i> , 2013, 60, 1-4.	1.8	27
45	Hedonic appreciation and verbal description of pleasant and unpleasant odors in untrained, trainee cooks, flavorists, and perfumers. <i>Frontiers in Psychology</i> , 2014, 5, 12.	1.1	26
46	The effect of verbal context on olfactory neural responses. <i>Human Brain Mapping</i> , 2014, 35, 810-818.	1.9	26
47	Chemotherapy-induced taste and smell changes influence food perception in cancer patients. <i>Supportive Care in Cancer</i> , 2021, 29, 2125-2132.	1.0	26
48	Improved smell pleasantness after odor-taste associative learning in humans. <i>Neuroscience Letters</i> , 2008, 434, 108-112.	1.0	25
49	Neural processing of the reward value of pleasant odorants. <i>Current Biology</i> , 2021, 31, 1592-1605.e9.	1.8	24
50	Odor and color of cosmetic products: correlations between subjective judgement and autonomous nervous system response. <i>International Journal of Cosmetic Science</i> , 2003, 25, 273-283.	1.2	23
51	Is There a Hedonic Dimension to Odors?. , 2002, , 140-159.		22
52	Ontogeny of Odor Liking during Childhood and Its Relation to Language Development. <i>Chemical Senses</i> , 2011, 36, 83-91.	1.1	22
53	Individual Differences in Verbal and Non-Verbal Affective Responses to Smells: Influence of Odor Label Across Cultures. <i>Chemical Senses</i> , 2017, 42, bjw098.	1.1	22
54	Interdisciplinary challenges for elucidating human olfactory attractiveness. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190268.	1.8	22

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55	Cross-modal integration of emotions in the chemical senses. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 883.	1.0	21
56	Application of the European Test of Olfactory Capabilities in patients with olfactory impairment. <i>European Archives of Oto-Rhino-Laryngology</i> , 2016, 273, 381-390.	0.8	20
57	The Role of the Piriform Cortex in Human Olfactory Perception: Insights from Functional Neuroimaging Studies. <i>Chemosensory Perception</i> , 2012, 5, 4-10.	0.7	19
58	Which format for odor images?. <i>Chemical Senses</i> , 2008, 34, 11-13.	1.1	18
59	Cisplatin chemotherapy induces odor perception changes in bronchial cancer patients. <i>Lung Cancer</i> , 2013, 82, 168-170.	0.9	18
60	Recovery From COVID-19-Related Olfactory Disorders and Quality of Life: Insights From an Observational Online Study. <i>Chemical Senses</i> , 2021, 46, .	1.1	18
61	Physicochemical influence on odor hedonics. <i>Communicative and Integrative Biology</i> , 2011, 4, 563-565.	0.6	17
62	Perceptual and Sensorimotor Differences between "Good" and "Poor" Olfactory Mental Imagers. <i>Annals of the New York Academy of Sciences</i> , 2009, 1170, 333-337.	1.8	16
63	Individual Differences as a Key Factor to Uncover the Neural Underpinnings of Hedonic and Social Functions of Human Olfaction: Current Findings from PET and fMRI Studies and Future Considerations. <i>Brain Topography</i> , 2019, 32, 977-986.	0.8	15
64	Effects of familiarization on odor hedonic responses and food choices in children with autism spectrum disorders. <i>Autism</i> , 2019, 23, 1460-1471.	2.4	15
65	On the contribution of the senses to food emotional experience. <i>Food Quality and Preference</i> , 2021, 92, 104120.	2.3	15
66	A pleasant familiar odor influences perceived stress and peripheral nervous system activity during normal aging. <i>Frontiers in Psychology</i> , 2014, 5, 113.	1.1	14
67	Dissociated neural representations induced by complex and simple odorant molecules. <i>Neuroscience</i> , 2015, 287, 23-31.	1.1	14
68	Physicochemical influence on odor hedonics: Where does it occur first?. <i>Communicative and Integrative Biology</i> , 2011, 4, 563-5.	0.6	14
69	Increase in Anhedonia Level in Menopausal Women is Accompanied by a Shift in Olfactory Function. <i>Chemosensory Perception</i> , 2008, 1, 43-47.	0.7	13
70	Relationship Between Psychophysiological Responses to Aversive Odors and Nutritional Status During Normal Aging. <i>Chemical Senses</i> , 2017, 42, 465-472.	1.1	13
71	Contextual cues during olfactory learning improve memory for "smells" in children. <i>Revue Europeenne De Psychologie Appliquee</i> , 2006, 56, 253-259.	0.4	12
72	Viewing Olfactory Affective Responses Through the Sniff Prism: Effect of Perceptual Dimensions and Age on Olfactomotor Responses to Odors. <i>Frontiers in Psychology</i> , 2015, 6, 1776.	1.1	12

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73	Learning to name smells increases activity in heteromodal semantic areas. <i>Human Brain Mapping</i> , 2017, 38, 5958-5969.	1.9	12
74	Structural Plasticity of the Primary and Secondary Olfactory cortices: Increased Gray Matter Volume Following Surgical Treatment for Chronic Rhinosinusitis. <i>Neuroscience</i> , 2018, 395, 22-34.	1.1	12
75	Visual and Hedonic Perception of Food Stimuli in Children with Autism Spectrum Disorders and their Relationship to Food Neophobia. <i>Perception</i> , 2019, 48, 197-213.	0.5	12
76	Eating behavior in autism: senses as a window towards food acceptance. <i>Current Opinion in Food Science</i> , 2021, 41, 210-216.	4.1	12
77	Altered Affective Evaluations of Smells in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 49, 433-441.	1.2	11
78	Detection of sickness in conspecifics using olfactory and visual cues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6157-6159.	3.3	11
79	Local Subgroup Discovery for Eliciting and Understanding New Structure-Odor Relationships. <i>Lecture Notes in Computer Science</i> , 2016, , 19-34.	1.0	10
80	Neural processing of odor-associated words: an fMRI study in patients with acquired olfactory loss. <i>Brain Imaging and Behavior</i> , 2020, 14, 1164-1174.	1.1	10
81	The prevalence of olfactory deficits and their effects on eating behavior from childhood to old age: A large-scale study in the French population. <i>Food Quality and Preference</i> , 2021, 93, 104273.	2.3	10
82	An olfactory self-test effectively screens for COVID-19. <i>Communications Medicine</i> , 2022, 2, .	1.9	10
83	An experimental investigation comparing a surface plasmon resonance imaging-based artificial nose with natural olfaction. <i>Sensors and Actuators B: Chemical</i> , 2020, 320, 128342.	4.0	9
84	Cognitive and hormonal regulation of appetite for food presented in the olfactory and visual modalities. <i>NeuroImage</i> , 2021, 230, 117811.	2.1	9
85	Olfactory and Gustatory Mental Imagery: Modulation by Sensory Experience and Comparison to Auditory Mental Imagery. , 2013, , 77-91.		9
86	Psychological and physiological evaluation of emotional effects of a perfume in menopausal women. <i>International Journal of Cosmetic Science</i> , 2007, 29, 399-408.	1.2	8
87	Non-imaged based method for matching brains in a common anatomical space for cellular imagery. <i>Journal of Neuroscience Methods</i> , 2018, 304, 136-145.	1.3	8
88	Influence of gender and culture on the perception of acidic compounds of human body odor. <i>Physiology and Behavior</i> , 2019, 210, 112561.	1.0	8
89	Configural memory of a blending aromatic mixture reflected in activation of the left orbital part of the inferior frontal gyrus. <i>Behavioural Brain Research</i> , 2021, 402, 113088.	1.2	7
90	Explicit and implicit measures of emotions: Data-science might help to account for data complexity and heterogeneity. <i>Food Quality and Preference</i> , 2021, 92, 104181.	2.3	7

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91	Expertise shapes domain-specific functional cerebral asymmetry during mental imagery: the case of culinary arts and music. <i>European Journal of Neuroscience</i> , 2017, 45, 1524-1537.	1.2	6
92	Visual Priming Influences Olfactomotor Response and Perceptual Experience of Smells. <i>Chemical Senses</i> , 2020, 45, 211-218.	1.1	5
93	Using a bio-inspired surface resonance plasmon electronic nose for fundamental research on human olfaction. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130846.	4.0	5
94	And I'm feeling good: effect of emotional sweat and perfume on others' physiology, verbal responses, and creativity. <i>Chemical Senses</i> , 2022, 47, .	1.1	5
95	Smells Influence Perceived Pleasantness but Not Memorization of a Visual Virtual Environment. <i>I-Perception</i> , 2021, 12, 204166952198973.	0.8	4
96	Sniffing a human sex-steroid derived compound affects mood and autonomic arousal in a dose-dependent manner. <i>Psychoneuroendocrinology</i> , 2004, , .	1.3	3
97	The Role of the Senses in Emotion. , 2016, , 65-81.		3
98	The Social Nose: Importance of Olfactory Perception in Group Dynamics and Relationships. <i>Psychological Inquiry</i> , 2016, 27, 299-305.	0.4	3
99	A methodological investigation of a flexible surface MRI coil to obtain functional signals from the human olfactory bulb. <i>Journal of Neuroscience Methods</i> , 2020, 335, 108624.	1.3	3
100	Olfactory and Gustatory Function in Patients With Different Types of Maxillofacial Trauma. <i>Laryngoscope</i> , 2021, 131, E331-E337.	1.1	3
101	Data-science based analysis of perceptual spaces of odors in olfactory loss. <i>Scientific Reports</i> , 2021, 11, 10595.	1.6	3
102	Accounting for Subjectivity in Experimental Research on Human Olfaction. <i>Chemical Senses</i> , 2021, 46, .	1.1	3
103	Identification of new behavioral parameters to assess odorant hedonic value in humans: A naturalistic approach. <i>Journal of Neuroscience Methods</i> , 2022, 366, 109422.	1.3	3
104	Perceived utility of electronic noses in patients with loss of smell. <i>European Archives of Oto-Rhino-Laryngology</i> , 2021, 278, 2155-2156.	0.8	2
105	African Gene Flow Reduces Beta-Ionone Anosmia/Hyposmia Prevalence in Admixed Malagasy Populations. <i>Brain Sciences</i> , 2021, 11, 1405.	1.1	1
106	Exceptional Attributed Subgraph Mining to Understand the Olfactory Percept. <i>Lecture Notes in Computer Science</i> , 2018, , 276-291.	1.0	1
107	La r��ducation olfactive: b��n��fices d'une prise en soins pluri-professionnelle. <i>La Presse M��dicale Formation</i> , 2021, 3, 5-5.	0.1	1
108	Senses and emotion. , 2021, , 85-110.		0

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109	The autumnal lockdown was not the main initiator of the decrease in SARS-CoV-2 circulation in France. <i>Communications Medicine</i> , 2021, 1, .	1.9	0
110	A historical review of olfactometry. <i>Annee Psychologique</i> , 2021, Vol. 121, 311-351.	0.2	0
111	h(odor): Interactive Discovery of Hypotheses on the Structure-Odor Relationship in Neuroscience. <i>Lecture Notes in Computer Science</i> , 2016, , 17-21.	1.0	0