

Moustafa Bensafi

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

4,131
citations

126907

33
h-index

138484

58
g-index

118
all docs

118
docs citations

118
times ranked

3150
citing authors

#	ARTICLE	IF	CITATIONS
1	More Than Smellâ€”COVID-19 Is Associated With Severe Impairment of Smell, Taste, and Chemesthesis. Chemical Senses, 2020, 45, 609-622.	2.0	375
2	Attentional modulation in human primary olfactory cortex. Nature Neuroscience, 2005, 8, 114-120.	14.8	241
3	Autonomic Nervous System Responses to Odours: the Role of Pleasantness and Arousal. Chemical Senses, 2002, 27, 703-709.	2.0	240
4	Olfactomotor activity during imagery mimics that during perception. Nature Neuroscience, 2003, 6, 1142-1144.	14.8	156
5	Hedonic-Specific Activity in Piriform Cortex During Odor Imagery Mimics That During Odor Perception. Journal of Neurophysiology, 2007, 98, 3254-3262.	1.8	133
6	Recent Smell Loss Is the Best Predictor of COVID-19 Among Individuals With Recent Respiratory Symptoms. Chemical Senses, 2021, 46, .	2.0	119
7	Influence of affective and cognitive judgments on autonomic parameters during inhalation of pleasant and unpleasant odors in humans. Neuroscience Letters, 2002, 319, 162-166.	2.1	99
8	Molecular complexity determines the number of olfactory notes and the pleasantness of smells. Scientific Reports, 2011, 1, 206.	3.3	89
9	Global Features of Neural Activity in the Olfactory System Form a Parallel Code That Predicts Olfactory Behavior and Perception. Journal of Neuroscience, 2010, 30, 9017-9026.	3.6	86
10	One nostril knows what the other learns. Nature, 2002, 419, 802-802.	27.8	84
11	Olfactory function in children assessed with psychophysical and electrophysiological techniques. Behavioural Brain Research, 2007, 180, 133-138.	2.2	83
12	Sniffing human sex-steroid derived compounds modulates mood, memory and autonomic nervous system function in specific behavioral contexts. Behavioural Brain Research, 2003, 152, 11-22.	2.2	79
13	Humans and Mice Express Similar Olfactory Preferences. PLoS ONE, 2009, 4, e4209.	2.5	78
14	Sex-Steroid Derived Compounds Induce Sex-Specific Effects on Autonomic Nervous System Function in Humans.. Behavioral Neuroscience, 2003, 117, 1125-1134.	1.2	77
15	Smell and taste changes are early indicators of the COVID-19 pandemic and political decision effectiveness. Nature Communications, 2020, 11, 5152.	12.8	74
16	Asymmetry of pleasant vs. unpleasant odor processing during affective judgment in humans. Neuroscience Letters, 2002, 328, 309-313.	2.1	72
17	Verbal Cues Modulate Hedonic Perception of Odors in 5-Year-Old Children as well as in Adults. Chemical Senses, 2007, 32, 855-862.	2.0	71
18	Psychophysiological correlates of affects in human olfaction. Neurophysiologie Clinique, 2002, 32, 326-332.	2.2	69

#	ARTICLE	IF	CITATIONS
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.	2.7	65
20	Neural coding of stimulus concentration in the human olfactory and intranasal trigeminal systems. <i>Neuroscience</i> , 2008, 154, 832-838.	2.3	64
21	Odorant-specific Patterns of Sniffing during Imagery Distinguish “Bad” and “Good” Olfactory Imagers. <i>Chemical Senses</i> , 2005, 30, 521-529.	2.0	56
22	Involvement of right piriform cortex in olfactory familiarity judgments. <i>NeuroImage</i> , 2005, 24, 1032-1041.	4.2	56
23	Individual Differences in Odor Imaging Ability Reflect Differences in Olfactory and Emotional Perception. <i>Chemical Senses</i> , 2007, 32, 237-244.	2.0	55
24	Relationship Between Odor Intensity Estimates and COVID-19 Prevalence Prediction in a Swedish Population. <i>Chemical Senses</i> , 2020, 45, 449-456.	2.0	53
25	Odor Perception in Children with Autism Spectrum Disorder and its Relationship to Food Neophobia. <i>Frontiers in Psychology</i> , 2015, 6, 1830.	2.1	51
26	Perceptual, affective, and cognitive judgments of odors: Pleasantness and handedness effects. <i>Brain and Cognition</i> , 2003, 51, 270-275.	1.8	50
27	Odor hedonics and their modulators. <i>Food Quality and Preference</i> , 2009, 20, 545-549.	4.6	50
28	Effect of Aging on Hedonic Appreciation of Pleasant and Unpleasant Odors. <i>PLoS ONE</i> , 2013, 8, e61376.	2.5	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.	2.0	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.	2.2	41
31	Dissociated Representations of Pleasant and Unpleasant Olfacto-Trigeminal Mixtures: An fMRI Study. <i>PLoS ONE</i> , 2012, 7, e38358.	2.5	38
32	Multidimensional representation of odors in the human olfactory cortex. <i>Human Brain Mapping</i> , 2016, 37, 2161-2172.	3.6	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.	2.2	38
34	The role of hedonics in the Human Affectome. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 102, 221-241.	6.1	38
35	Repeated exposure to odors induces affective habituation of perception and sniffing. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 119.	2.0	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.	3.3	36

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37	Chemical features mining provides new descriptive structure-odor relationships. PLoS Computational Biology, 2019, 15, e1006945.	3.2	34
38	Modulation of visual event-related potentials by emotional olfactory stimuli. Neurophysiologie Clinique, 2002, 32, 335-342.	2.2	33
39	A portable experimental apparatus for human olfactory fMRI experiments. Journal of Neuroscience Methods, 2013, 218, 29-38.	2.5	33
40	Semantic Knowledge Influences Prewired Hedonic Responses to Odors. PLoS ONE, 2010, 5, e13878.	2.5	32
41	The neural representation of odor is modulated by the presence of a trigeminal stimulus during odor encoding. Clinical Neurophysiology, 2007, 118, 696-701.	1.5	31
42	Synergy and Masking in Odor Mixtures: An Electrophysiological Study of Orthonasal vs. Retronasal Perception. Chemical Senses, 2008, 33, 553-561.	2.0	31
43	Dysosmia-Associated Changes in Eating Behavior. Chemosensory Perception, 2017, 10, 104-113.	1.2	29
44	Does olfactory specific satiety take place in a natural setting?. Appetite, 2013, 60, 1-4.	3.7	27
45	Hedonic appreciation and verbal description of pleasant and unpleasant odors in untrained, trainee cooks, flavorists, and perfumers. Frontiers in Psychology, 2014, 5, 12.	2.1	26
46	The effect of verbal context on olfactory neural responses. Human Brain Mapping, 2014, 35, 810-818.	3.6	26
47	Chemotherapy-induced taste and smell changes influence food perception in cancer patients. Supportive Care in Cancer, 2021, 29, 2125-2132.	2.2	26
48	Improved smell pleasantness after odor-taste associative learning in humans. Neuroscience Letters, 2008, 434, 108-112.	2.1	25
49	Neural processing of the reward value of pleasant odorants. Current Biology, 2021, 31, 1592-1605.e9.	3.9	24
50	Odor and color of cosmetic products: correlations between subjective judgement and autonomous nervous system response. International Journal of Cosmetic Science, 2003, 25, 273-283.	2.6	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. Chemical Senses, 2011, 36, 83-91.	2.0	22
53	Individual Differences in Verbal and Non-Verbal Affective Responses to Smells: Influence of Odor Label Across Cultures. Chemical Senses, 2017, 42, bjw098.	2.0	22
54	Interdisciplinary challenges for elucidating human olfactory attractiveness. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190268.	4.0	22

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55	Cross-modal integration of emotions in the chemical senses. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 883.	2.0	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.	1.6	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.	1.2	19
58	Which format for odor images?. <i>Chemical Senses</i> , 2008, 34, 11-13.	2.0	18
59	Cisplatin chemotherapy induces odor perception changes in bronchial cancer patients. <i>Lung Cancer</i> , 2013, 82, 168-170.	2.0	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, .	2.0	18
61	Physicochemical influence on odor hedonics. <i>Communicative and Integrative Biology</i> , 2011, 4, 563-565.	1.4	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.	3.8	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.	1.8	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.	4.1	15
65	On the contribution of the senses to food emotional experience. <i>Food Quality and Preference</i> , 2021, 92, 104120.	4.6	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.	2.1	14
67	Dissociated neural representations induced by complex and simple odorant molecules. <i>Neuroscience</i> , 2015, 287, 23-31.	2.3	14
68	Physicochemical influence on odor hedonics: Where does it occur first?. <i>Communicative and Integrative Biology</i> , 2011, 4, 563-5.	1.4	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.	1.2	13
70	Relationship Between Psychophysiological Responses to Aversive Odors and Nutritional Status During Normal Aging. <i>Chemical Senses</i> , 2017, 42, 465-472.	2.0	13
71	Contextual cues during olfactory learning improve memory for “smells” in children. <i>Revue Europeenne De Psychologie Appliquee</i> , 2006, 56, 253-259.	0.8	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.	2.1	12

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73	Learning to name smells increases activity in heteromodal semantic areas. Human Brain Mapping, 2017, 38, 5958-5969.	3.6	12
74	Structural Plasticity of the Primary and Secondary Olfactory cortices: Increased Gray Matter Volume Following Surgical Treatment for Chronic Rhinosinuitis. Neuroscience, 2018, 395, 22-34.	2.3	12
75	Visual and Hedonic Perception of Food Stimuli in Children with Autism Spectrum Disorders and their Relationship to Food Neophobia. Perception, 2019, 48, 197-213.	1.2	12
76	Eating behavior in autism: senses as a window towards food acceptance. Current Opinion in Food Science, 2021, 41, 210-216.	8.0	12
77	Altered Affective Evaluations of Smells in Alzheimer's Disease. Journal of Alzheimer's Disease, 2015, 49, 433-441.	2.6	11
78	Detection of sickness in conspecifics using olfactory and visual cues. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6157-6159.	7.1	11
79	Local Subgroup Discovery for Eliciting and Understanding New Structure-Odor Relationships. Lecture Notes in Computer Science, 2016, , 19-34.	1.3	10
80	Neural processing of odor-associated words: an fMRI study in patients with acquired olfactory loss. Brain Imaging and Behavior, 2020, 14, 1164-1174.	2.1	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. Food Quality and Preference, 2021, 93, 104273.	4.6	10
82	An olfactory self-test effectively screens for COVID-19. Communications Medicine, 2022, 2, .	4.2	10
83	An experimental investigation comparing a surface plasmon resonance imaging-based artificial nose with natural olfaction. Sensors and Actuators B: Chemical, 2020, 320, 128342.	7.8	9
84	Cognitive and hormonal regulation of appetite for food presented in the olfactory and visual modalities. Neurolmage, 2021, 230, 117811.	4.2	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. International Journal of Cosmetic Science, 2007, 29, 399-408.	2.6	8
87	Non-imaged based method for matching brains in a common anatomical space for cellular imagery. Journal of Neuroscience Methods, 2018, 304, 136-145.	2.5	8
88	Influence of gender and culture on the perception of acidic compounds of human body odor. Physiology and Behavior, 2019, 210, 112561.	2.1	8
89	Configural memory of a blending aromatic mixture reflected in activation of the left orbital part of the inferior frontal gyrus. Behavioural Brain Research, 2021, 402, 113088.	2.2	7
90	Explicit and implicit measures of emotions: Data-science might help to account for data complexity and heterogeneity. Food Quality and Preference, 2021, 92, 104181.	4.6	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.	2.6	6
92	Visual Priming Influences Olfactomotor Response and Perceptual Experience of Smells. <i>Chemical Senses</i> , 2020, 45, 211-218.	2.0	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.	7.8	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, .	2.0	5
95	Smells Influence Perceived Pleasantness but Not Memorization of a Visual Virtual Environment. <i>I-Perception</i> , 2021, 12, 204166952198973.	1.4	4
96	Sniffing a human sex-steroid derived compound affects mood and autonomic arousal in a dose-dependent manner. <i>Psychoneuroendocrinology</i> , 2004, , .	2.7	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.	0.9	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.	2.5	3
100	Olfactory and Gustatory Function in Patients With Different Types of Maxillofacial Trauma. <i>Laryngoscope</i> , 2021, 131, E331-E337.	2.0	3
101	Data-science based analysis of perceptual spaces of odors in olfactory loss. <i>Scientific Reports</i> , 2021, 11, 10595.	3.3	3
102	Accounting for Subjectivity in Experimental Research on Human Olfaction. <i>Chemical Senses</i> , 2021, 46, .	2.0	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.	2.5	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.	1.6	2
105	African Gene Flow Reduces Beta-Ionone Anosmia/Hyposmia Prevalence in Admixed Malagasy Populations. <i>Brain Sciences</i> , 2021, 11, 1405.	2.3	1
106	Exceptional Attributed Subgraph Mining to Understand the Olfactory Percept. <i>Lecture Notes in Computer Science</i> , 2018, , 276-291.	1.3	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. Communications Medicine, 2021, 1, .	4.2	0
110	A historical review of olfactometry. Annee Psychologique, 2021, Vol. 121, 311-351.	0.3	0
111	h(odor): Interactive Discovery of Hypotheses on the Structure-Odor Relationship in Neuroscience. Lecture Notes in Computer Science, 2016, , 17-21.	1.3	0