

Herve Abdi

List of Publications by Year in descending order

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Version: 2024-02-01

131
papers

15,813
citations

53789

45
h-index

18647

119
g-index

140
all docs

140
docs citations

140
times ranked

19583
citing authors

#	ARTICLE	IF	CITATIONS
1	On the relationship between trait autobiographical episodic memory and spatial navigation. <i>Memory and Cognition</i> , 2021, 49, 265-275.	1.6	11
2	Reconfiguration and dedifferentiation of functional networks during cognitive control across the adult lifespan. <i>Neurobiology of Aging</i> , 2021, 106, 80-94.	3.1	15
3	Dataset of functional connectivity during cognitive control for an adult lifespan sample. <i>Data in Brief</i> , 2021, 39, 107573.	1.0	3
4	Storybook selection criteria used by teachers of d/Deaf and hard-of-hearing prereaders communicating in English. <i>Deafness and Education International</i> , 2020, 22, 176-211.	1.3	0
5	Bach, Mozart, and Beethoven: Sorting piano excerpts based on perceived similarity using DiSTATIS. <i>New Ideas in Psychology</i> , 2020, 57, 100757.	1.9	1
6	Detection and Attention for Auditory, Visual, and Audiovisual Speech in Children with Hearing Loss. <i>Ear and Hearing</i> , 2020, 41, 508-520.	2.1	5
7	Deciphering collaborative sidechain motions in proteins during molecular dynamics simulations. <i>Scientific Reports</i> , 2020, 10, 15901.	3.3	7
8	Different patterns of recollection for matched real-world and laboratory-based episodes in younger and older adults. <i>Cognition</i> , 2020, 202, 104309.	2.2	10
9	Connectionist “Face-Off”: Different Algorithms for Different Tasks. <i>Psychologica Belgica</i> , 2020, 36, 65.	1.9	2
10	A constrained singular value decomposition method that integrates sparsity and orthogonality. <i>PLoS ONE</i> , 2019, 14, e0211463.	2.5	13
11	Hub distribution of the brain functional networks of newborns prenatally exposed to maternal depression and SSRI antidepressants. <i>Depression and Anxiety</i> , 2019, 36, 753-765.	4.1	14
12	Bourbon and Rye Whiskeys Are Legally Distinct but Are Not Discriminated by Sensory Descriptive Analysis. <i>Journal of Food Science</i> , 2019, 84, 629-639.	3.1	13
13	Semantically defined subdomains of functional neuroimaging literature and their corresponding brain regions. <i>Human Brain Mapping</i> , 2018, 39, 2764-2776.	3.6	33
14	Clusterwise analysis for multiblock component methods. <i>Advances in Data Analysis and Classification</i> , 2018, 12, 285-313.	1.4	11
15	Rapid sensory profiles with DiSTATIS and Barycentric Text Projection: An example with amari , bitter herbal liqueurs. <i>Food Quality and Preference</i> , 2018, 66, 36-43.	4.6	14
16	Visual speech fills in both discrimination and identification of non-intact auditory speech in children. <i>Journal of Child Language</i> , 2018, 45, 392-414.	1.2	10
17	Early-blind Individuals Show Impaired Performance in Wine Odor Categorization. <i>Neuroscience</i> , 2018, 390, 79-87.	2.3	7
18	Evolution of chemokine receptors is driven by mutations in the sodium binding site. <i>PLoS Computational Biology</i> , 2018, 14, e1006209.	3.2	18

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19	Barycentric Discriminant Analysis. , 2018, , 121-140.		1
20	Developmental Shifts in Detection and Attention for Auditory, Visual, and Audiovisual Speech. Journal of Speech, Language, and Hearing Research, 2018, 61, 3095-3112.	1.6	5
21	Barycentric Discriminant Analysis. , 2018, , 1-20.		0
22	Canonical Correlation Analysis. , 2018, , 177-192.		2
23	Correspondence Analysis. , 2018, , 429-439.		2
24	Visual speech alters the discrimination and identification of non-intact auditory speech in children with hearing loss. International Journal of Pediatric Otorhinolaryngology, 2017, 94, 127-137.	1.0	8
25	Children perceive speech onsets by ear and eye. Journal of Child Language, 2017, 44, 185-215.	1.2	13
26	Do acting out verbs with dolls and comparison learning between scenes boost toddlersâ€™ verb comprehension?. Journal of Child Language, 2017, 44, 719-733.	1.2	3
27	Bridging naturalistic and laboratory assessment of memory: the Baycrest mask fit test. Memory, 2017, 25, 999-1008.	1.7	10
28	Adaptive human immunity drives remyelination in a mouse model of demyelination. Brain, 2017, 140, 967-980.	7.6	53
29	Correspondence Analysis. , 2017, , 1-12.		3
30	Barycentric Discriminant Analysis. , 2017, , 1-20.		0
31	Canonical Correlation Analysis. , 2017, , 1-16.		1
32	Phonological Priming in Children with Hearing Loss: Effect of Speech Mode, Fidelity, and Lexical Status. Ear and Hearing, 2016, 37, 623-633.	2.1	4
33	How the Human Brain Represents Perceived Dangerousness or ‘Predacity’ of Animals. Journal of Neuroscience, 2016, 36, 5373-5384.	3.6	43
34	Partial least squares correspondence analysis: A framework to simultaneously analyze behavioral and genetic data.. Psychological Methods, 2016, 21, 621-651.	3.5	23
35	Imaging Genetics with Partial Least Squares for Mixed-Data Types (MiMoPLS). Springer Proceedings in Mathematics and Statistics, 2016, , 73-91.	0.2	1
36	Correspondence Analysis. , 2016, , 1-12.		0

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37	A Read-Aloud Storybook Selection System for Prereaders at the Preschool Language Level: A Pilot Study. <i>Journal of Speech, Language, and Hearing Research</i> , 2015, 58, 1273-1291.	1.6	11
38	Distributed Patterns of Reactivation Predict Vividness of Recollection. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 2000-2018.	2.3	80
39	The Animacy Continuum in the Human Ventral Vision Pathway. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 665-678.	2.3	134
40	Becoming a beer expert: Is simple exposure with feedback sufficient to learn beer categories?. <i>Acta Psychologica</i> , 2015, 161, 95-103.	1.5	8
41	Memory Reactivation in Healthy Aging: Evidence of Stimulus-Specific Dedifferentiation. <i>Journal of Neuroscience</i> , 2014, 34, 4175-4186.	3.6	103
42	Unique aspects of impulsive traits in substance use and overeating: specific contributions of common assessments of impulsivity. <i>American Journal of Drug and Alcohol Abuse</i> , 2014, 40, 463-475.	2.1	25
43	Comparative analysis of sequence covariation methods to mine evolutionary hubs: Examples from selected GPCR families. <i>Proteins: Structure, Function and Bioinformatics</i> , 2014, 82, 2141-2156.	2.6	11
44	An ExPosition of multivariate analysis with the singular value decomposition in R. <i>Computational Statistics and Data Analysis</i> , 2014, 72, 176-189.	1.2	99
45	Children use visual speech to compensate for non-intact auditory speech. <i>Journal of Experimental Child Psychology</i> , 2014, 126, 295-312.	1.4	33
46	Correspondence Analysis. , 2014, , 275-284.		15
47	Differences in Human Cortical Gene Expression Match the Temporal Properties of Large-Scale Functional Networks. <i>PLoS ONE</i> , 2014, 9, e115913.	2.5	62
48	Threat as a feature in visual semantic object memory. <i>Human Brain Mapping</i> , 2013, 34, 1946-1955.	3.6	4
49	Partial Least Squares Methods: Partial Least Squares Correlation and Partial Least Square Regression. <i>Methods in Molecular Biology</i> , 2013, 930, 549-579.	0.9	208
50	Multiple factor analysis: principal component analysis for multitable and multiblock data sets. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2013, 5, 149-179.	3.9	319
51	The survey of autobiographical memory (SAM): A novel measure of trait mnemonics in everyday life. <i>Cortex</i> , 2013, 49, 1526-1540.	2.4	88
52	Structural Evolution of G-Protein-Coupled Receptors. <i>Methods in Enzymology</i> , 2013, 520, 49-66.	1.0	1
53	Effect of Perceptual Load on Semantic Access by Speech in Children. <i>Journal of Speech, Language, and Hearing Research</i> , 2013, 56, 388-403.	1.6	8
54	Effect of Hearing Loss on Semantic Access by Auditory and Audiovisual Speech in Children. <i>Ear and Hearing</i> , 2013, 34, 753-762.	2.1	3

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55	Revisiting PLS Resampling: Comparing Significance Versus Reliability Across Range of Simulations. Springer Proceedings in Mathematics and Statistics, 2013, , 159-170.	0.2	19
56	The Stability of Behavioral PLS Results in Ill-Posed Neuroimaging Problems. Springer Proceedings in Mathematics and Statistics, 2013, , 171-183.	0.2	10
57	Distance-Based Partial Least Squares Analysis. Springer Proceedings in Mathematics and Statistics, 2013, , 131-145.	0.2	2
58	Qualitatively distinct factors contribute to elevated rates of paranoia in autism and schizophrenia.. Journal of Abnormal Psychology, 2012, 121, 767-777.	1.9	20
59	The Neural Basis of Vivid Memory Is Patterned on Perception. Journal of Cognitive Neuroscience, 2012, 24, 1867-1883.	2.3	65
60	The Representation of Biological Classes in the Human Brain. Journal of Neuroscience, 2012, 32, 2608-2618.	3.6	332
61	Multiple Subject Barycentric Discriminant Analysis (MUSUBADA): How to Assign Scans to Categories without Using Spatial Normalization. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-15.	1.3	16
62	Distinct developmental profiles in typical speech acquisition. Journal of Neurophysiology, 2012, 107, 2885-2900.	1.8	15
63	STATIS and DISTATIS: optimum multitable principal component analysis and three way metric multidimensional scaling. Wiley Interdisciplinary Reviews: Computational Statistics, 2012, 4, 124-167.	3.9	101
64	Bios2mds: an R package for comparing orthologous protein families by metric multidimensional scaling. BMC Bioinformatics, 2012, 13, 133.	2.6	33
65	A comprehensive reliability assessment of quantitative diffusion tensor tractography. NeuroImage, 2012, 60, 1127-1138.	4.2	121
66	Analysis of Regional Cerebral Blood Flow Data to Discriminate among Alzheimer's Disease, Frontotemporal Dementia, and Elderly Controls: A Multi-Block Barycentric Discriminant Analysis (MUBADA) Methodology. Journal of Alzheimer's Disease, 2012, 31, S189-S201.	2.6	26
67	Quick and dirty but still pretty good: a review of new descriptive methods in food science. International Journal of Food Science and Technology, 2012, 47, 1563-1578.	2.7	286
68	Optimizing preprocessing and analysis pipelines for single-subject fMRI. I. Standard temporal motion and physiological noise correction methods. Human Brain Mapping, 2012, 33, 609-627.	3.6	90
69	Effect of Age on Variability in the Production of Text-Based Global Inferences. PLoS ONE, 2012, 7, e36161.	2.5	8
70	Partial Least Squares (PLS) methods for neuroimaging: A tutorial and review. NeuroImage, 2011, 56, 455-475.	4.2	1,017
71	Sort and beer: Everything you wanted to know about the sorting task but did not dare to ask. Food Quality and Preference, 2011, 22, 507-520.	4.6	114
72	Influence of Aging on the Neural Correlates of Autobiographical, Episodic, and Semantic Memory Retrieval. Journal of Cognitive Neuroscience, 2011, 23, 4150-4163.	2.3	80

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73	Multidimensional Scaling Reveals the Main Evolutionary Pathways of Class A G-Protein-Coupled Receptors. PLoS ONE, 2011, 6, e19094.	2.5	32
74	Partial least squares regression and projection on latent structure regression (PLS Regression). Wiley Interdisciplinary Reviews: Computational Statistics, 2010, 2, 97-106.	3.9	961
75	A Tutorial on Multiblock Discriminant Correspondence Analysis (MUDICA): A New Method for Analyzing Discourse Data From Clinical Populations. Journal of Speech, Language, and Hearing Research, 2010, 53, 1372-1393.	1.6	44
76	A modified sorting task to investigate consumer perceptions of extra virgin olive oils. Food Quality and Preference, 2010, 21, 881-892.	4.6	66
77	Beer-Trained and Untrained Assessors Rely More on Vision than on Taste When They Categorize Beers. Chemosensory Perception, 2009, 2, 143-153.	1.2	41
78	The Odor of Colors: Can Wine Experts and Novices Distinguish the Odors of White, Red, and Ros� Wines?. Chemosensory Perception, 2009, 2, 203-213.	1.2	69
79	Centroids. Wiley Interdisciplinary Reviews: Computational Statistics, 2009, 1, 259-260.	3.9	10
80	Recognition of Moving and Static Faces by Young Infants. Child Development, 2009, 80, 1259-1271.	3.0	84
81	Developmental shifts in children�s sensitivity to visual speech: A new multimodal picture�word task. Journal of Experimental Child Psychology, 2009, 102, 40-59.	1.4	41
82	How to compute reliability estimates and display confidence and tolerance intervals for pattern classifiers using the Bootstrap and 3-way multidimensional scaling (DISTATIS). NeuroImage, 2009, 45, 89-95.	4.2	76
83	Component structure of individual differences in true and false recognition of faces.. Journal of Experimental Psychology: Learning Memory and Cognition, 2009, 35, 1207-1230.	0.9	14
84	Role of Visual Speech in Phonological Processing by Children With Hearing Loss. Journal of Speech, Language, and Hearing Research, 2009, 52, 412-434.	1.6	14
85	Graded Structure in Odour Categories: A Cross-Cultural Case Study. Perception, 2009, 38, 292-309.	1.2	17
86	Regularized Multiple-Set Canonical Correlation Analysis. Psychometrika, 2008, 73, 753-775.	2.1	41
87	What is the validity of the sorting task for describing beers? A study using trained and untrained assessors. Food Quality and Preference, 2008, 19, 697-703.	4.6	99
88	Diffusion Tensor Tractography of Traumatic Diffuse Axonal Injury. Archives of Neurology, 2008, 65, 619-26.	4.5	164
89	Analyzing assessors and products in sorting tasks: DISTATIS, theory and applications. Food Quality and Preference, 2007, 18, 627-640.	4.6	163
90	Face Recognition Algorithms Surpass Humans Matching Faces Over Changes in Illumination. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2007, 29, 1642-1646.	13.9	156

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91	Fusing Face-Verification Algorithms and Humans. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1149-1155.	5.0	47
92	Theoretical, Statistical, and Practical Perspectives on Pattern-based Classification Approaches to the Analysis of Functional Neuroimaging Data. Journal of Cognitive Neuroscience, 2007, 19, 1735-1752.	2.3	225
93	Learning the Moves: The Effect of Familiarity and Facial Motion on Person Recognition across Large Changes in Viewing Format. Perception, 2006, 35, 761-773.	1.2	41
94	Simulating the "Other-Race" Effect with Autoassociative Neural Networks: Further Evidence in Favor of the Face-Space Model. Perception, 2006, 35, 659-670.	1.2	60
95	What Are the Routes to Face Recognition?. , 2006, , 20-52.		12
96	Fast Image Mosaicing for Panoramic Face Recognition. Journal of Multimedia, 2006, 1, .	0.3	9
97	Partially Distributed Representations of Objects and Faces in Ventral Temporal Cortex. Journal of Cognitive Neuroscience, 2005, 17, 580-590.	2.3	301
98	A video database of moving faces and people. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 812-816.	13.9	172
99	Do trained assessors generalize their knowledge to new stimuli?. Food Quality and Preference, 2005, 16, 13-23.	4.6	56
100	Culture and odor categorization: agreement between cultures depends upon the odors. Food Quality and Preference, 2004, 15, 669-679.	4.6	122
101	Processing faces and facial expressions. Neuropsychology Review, 2003, 13, 113-143.	4.9	216
102	Psychological and Neural Perspectives on the Role of Motion in Face Recognition. Behavioral and Cognitive Neuroscience Reviews, 2003, 2, 15-46.	3.9	77
103	Recognizing moving faces: a psychological and neural synthesis. Trends in Cognitive Sciences, 2002, 6, 261-266.	7.8	413
104	What can cognitive psychology and sensory evaluation learn from each other?. Food Quality and Preference, 2002, 13, 445-451.	4.6	30
105	Face recognition by myopic baby neural networks. Infant and Child Development, 2001, 10, 19-20.	1.5	3
106	Classifying adults' and children's faces by sex: computational investigations of subcategorical feature encoding. Cognitive Science, 2001, 25, 819-838.	1.7	17
107	A signal detection model applied to the stimulus: Understanding covariances in face recognition experiments in the context of face sampling distributions. Visual Cognition, 2000, 7, 437-463.	1.6	5
108	From Rotation to Disfiguration: Testing a Dual-Strategy Model for Recognition of Faces across View Angles. Perception, 1999, 28, 817-824.	1.2	12

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109	The perception of face gender: The role of stimulus structure in recognition and classification. Memory and Cognition, 1998, 26, 146-160.	1.6	182
110	Sex Classification of Face Areas. Journal of Biological Systems, 1998, 06, 241-263.	1.4	37
111	Manipulating Face Gender. Journal of Biological Systems, 1998, 06, 219-239.	1.4	7
112	Eigenfeatures as intermediate-level representations: The case for PCA models. Behavioral and Brain Sciences, 1998, 21, 17-18.	0.7	33
113	What Represents a Face? A Computational Approach for the Integration of Physiological and Psychological Data. Perception, 1997, 26, 1271-1288.	1.2	50
114	Principal Component and Neural Network Analyses of Face Images: What Can Be Generalized in Gender Classification?. Journal of Mathematical Psychology, 1997, 41, 398-413.	1.8	47
115	Can a linear autoassociator recognize faces from new orientations?. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1996, 13, 717.	1.5	25
116	More about the Difference between Men and Women: Evidence from Linear Neural Networks and the Principal-Component Approach. Perception, 1995, 24, 539-562.	1.2	142
117	Connectionist models of face processing: A survey. Pattern Recognition, 1994, 27, 1209-1230.	8.1	309
118	Structural aspects of face recognition and the other-race effect. Memory and Cognition, 1994, 22, 208-224.	1.6	246
119	Automatic Activation of Addition and Multiplication Facts in Elementary School Children. Journal of Experimental Child Psychology, 1994, 57, 224-258.	1.4	76
120	Theory-based Correlations and Their Role in Children's Concepts. Child Development, 1993, 64, 1595-1616.	3.0	59
121	PrÃ©cis de connexionnisme. , 1993, , 279-314.		0
122	8 Reflecting on Representation and Process: Children's Understanding of Cognition. Advances in Psychology, 1992, 93, 275-322.	0.1	1
123	Commentary Reading Graphs: Interactions of Processing Requirements and Stimulus Structure, C. M. Carswell. Advances in Psychology, 1992, 93, 646-647.	0.1	0
124	Simulating the "Other-race Effect"™ as a Problem in Perceptual Learning. Connection Science, 1991, 3, 163-178.	3.0	77
125	Additive-Tree Representations. Lecture Notes in Biomathematics, 1990, , 43-59.	0.3	24
126	Arithmetic Problems Formulation and Working Memory Load. Cognition and Instruction, 1987, 4, 187-202.	2.9	31

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127	Stimulus versus Face Recognition in Laterally Displayed Stimuli. American Journal of Psychology, 1987, 100, 117.	0.3	1
128	Do we really need a "contingency model"™ for concept formation? A reply to Richardson & Bhavnani (1984). British Journal of Psychology, 1987, 78, 113-125.	2.3	4
129	Impact des formulations sur la résolution de problèmes additifs chez l'enfant de 6 à 10 ans. European Journal of Psychology of Education, 1986, 1, 41-58.	2.6	8
130	Tree Representations of Associative Structures in Semantic and Episodic Memory Research. Advances in Psychology, 1984, , 3-31.	0.1	6
131	Musical Listening Qualia: A Multivariate Approach. Auditory Perception & Cognition, 0, , 1-30.	1.1	0