

Herve Abdi

List of Publications by Year in descending order

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Version: 2024-02-01

131
papers

15,813
citations

61687

45
h-index

21239

119
g-index

140
all docs

140
docs citations

140
times ranked

22071
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. | 0.9 | 11 |
| 2 | Reconfiguration and dedifferentiation of functional networks during cognitive control across the adult lifespan. <i>Neurobiology of Aging</i> , 2021, 106, 80-94. | 1.5 | 15 |
| 3 | Dataset of functional connectivity during cognitive control for an adult lifespan sample. <i>Data in Brief</i> , 2021, 39, 107573. | 0.5 | 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. | 0.8 | 0 |
| 5 | Bach, Mozart, and Beethoven: Sorting piano excerpts based on perceived similarity using DiSTATIS. <i>New Ideas in Psychology</i> , 2020, 57, 100757. | 1.2 | 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. | 1.0 | 5 |
| 7 | Deciphering collaborative sidechain motions in proteins during molecular dynamics simulations. <i>Scientific Reports</i> , 2020, 10, 15901. | 1.6 | 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. | 1.1 | 10 |
| 9 | Connectionist "Face-Off": Different Algorithms for Different Tasks. <i>Psychologica Belgica</i> , 2020, 36, 65. | 1.0 | 2 |
| 10 | A constrained singular value decomposition method that integrates sparsity and orthogonality. <i>PLoS ONE</i> , 2019, 14, e0211463. | 1.1 | 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. | 2.0 | 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. | 1.5 | 13 |
| 13 | Semantically defined subdomains of functional neuroimaging literature and their corresponding brain regions. <i>Human Brain Mapping</i> , 2018, 39, 2764-2776. | 1.9 | 33 |
| 14 | Clusterwise analysis for multiblock component methods. <i>Advances in Data Analysis and Classification</i> , 2018, 12, 285-313. | 0.9 | 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. | 2.3 | 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. | 0.8 | 10 |
| 17 | Early-blind Individuals Show Impaired Performance in Wine Odor Categorization. <i>Neuroscience</i> , 2018, 390, 79-87. | 1.1 | 7 |
| 18 | Evolution of chemokine receptors is driven by mutations in the sodium binding site. <i>PLoS Computational Biology</i> , 2018, 14, e1006209. | 1.5 | 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. | 0.7 | 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. | 0.4 | 8 |
| 25 | Children perceive speech onsets by ear and eye. Journal of Child Language, 2017, 44, 185-215. | 0.8 | 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. | 0.8 | 3 |
| 27 | Bridging naturalistic and laboratory assessment of memory: the Baycrest mask fit test. Memory, 2017, 25, 999-1008. | 0.9 | 10 |
| 28 | Adaptive human immunity drives remyelination in a mouse model of demyelination. Brain, 2017, 140, 967-980. | 3.7 | 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. | 1.0 | 4 |
| 33 | How the Human Brain Represents Perceived Dangerousness or "Predacity" of Animals. Journal of Neuroscience, 2016, 36, 5373-5384. | 1.7 | 43 |
| 34 | Partial least squares correspondence analysis: A framework to simultaneously analyze behavioral and genetic data.. Psychological Methods, 2016, 21, 621-651. | 2.7 | 23 |
| 35 | Imaging Genetics with Partial Least Squares for Mixed-Data Types (MiMoPLS). Springer Proceedings in Mathematics and Statistics, 2016, , 73-91. | 0.1 | 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. | 0.7 | 11 |
| 38 | Distributed Patterns of Reactivation Predict Vividness of Recollection. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 2000-2018. | 1.1 | 80 |
| 39 | The Animacy Continuum in the Human Ventral Vision Pathway. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 665-678. | 1.1 | 134 |
| 40 | Becoming a beer expert: Is simple exposure with feedback sufficient to learn beer categories?. <i>Acta Psychologica</i> , 2015, 161, 95-103. | 0.7 | 8 |
| 41 | Memory Reactivation in Healthy Aging: Evidence of Stimulus-Specific Dedifferentiation. <i>Journal of Neuroscience</i> , 2014, 34, 4175-4186. | 1.7 | 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. | 1.1 | 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. | 1.5 | 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. | 0.7 | 99 |
| 45 | Children use visual speech to compensate for non-intact auditory speech. <i>Journal of Experimental Child Psychology</i> , 2014, 126, 295-312. | 0.7 | 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. | 1.1 | 62 |
| 48 | Threat as a feature in visual semantic object memory. <i>Human Brain Mapping</i> , 2013, 34, 1946-1955. | 1.9 | 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. | 0.4 | 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. | 2.1 | 319 |
| 51 | The survey of autobiographical memory (SAM): A novel measure of trait mnemonics in everyday life. <i>Cortex</i> , 2013, 49, 1526-1540. | 1.1 | 88 |
| 52 | Structural Evolution of G-Protein-Coupled Receptors. <i>Methods in Enzymology</i> , 2013, 520, 49-66. | 0.4 | 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. | 0.7 | 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. | 1.0 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Revisiting PLS Resampling: Comparing Significance Versus Reliability Across Range of Simulations. Springer Proceedings in Mathematics and Statistics, 2013, , 159-170. | 0.1 | 19 |
| 56 | The Stability of Behavioral PLS Results in Ill-Posed Neuroimaging Problems. Springer Proceedings in Mathematics and Statistics, 2013, , 171-183. | 0.1 | 10 |
| 57 | Distance-Based Partial Least Squares Analysis. Springer Proceedings in Mathematics and Statistics, 2013, , 131-145. | 0.1 | 2 |
| 58 | Qualitatively distinct factors contribute to elevated rates of paranoia in autism and schizophrenia.. Journal of Abnormal Psychology, 2012, 121, 767-777. | 2.0 | 20 |
| 59 | The Neural Basis of Vivid Memory Is Patterned on Perception. Journal of Cognitive Neuroscience, 2012, 24, 1867-1883. | 1.1 | 65 |
| 60 | The Representation of Biological Classes in the Human Brain. Journal of Neuroscience, 2012, 32, 2608-2618. | 1.7 | 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. | 0.7 | 16 |
| 62 | Distinct developmental profiles in typical speech acquisition. Journal of Neurophysiology, 2012, 107, 2885-2900. | 0.9 | 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. | 2.1 | 101 |
| 64 | Bios2mds: an R package for comparing orthologous protein families by metric multidimensional scaling. BMC Bioinformatics, 2012, 13, 133. | 1.2 | 33 |
| 65 | A comprehensive reliability assessment of quantitative diffusion tensor tractography. NeuroImage, 2012, 60, 1127-1138. | 2.1 | 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. | 1.2 | 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. | 1.3 | 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. | 1.9 | 90 |
| 69 | Effect of Age on Variability in the Production of Text-Based Global Inferences. PLoS ONE, 2012, 7, e36161. | 1.1 | 8 |
| 70 | Partial Least Squares (PLS) methods for neuroimaging: A tutorial and review. NeuroImage, 2011, 56, 455-475. | 2.1 | 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. | 2.3 | 114 |
| 72 | Influence of Aging on the Neural Correlates of Autobiographical, Episodic, and Semantic Memory Retrieval. Journal of Cognitive Neuroscience, 2011, 23, 4150-4163. | 1.1 | 80 |

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|----|--|-----|-----------|
| 73 | Multidimensional Scaling Reveals the Main Evolutionary Pathways of Class A G-Protein-Coupled Receptors. <i>PLoS ONE</i> , 2011, 6, e19094. | 1.1 | 32 |
| 74 | Partial least squares regression and projection on latent structure regression (PLS Regression). <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2010, 2, 97-106. | 2.1 | 961 |
| 75 | A Tutorial on Multiblock Discriminant Correspondence Analysis (MUDICA): A New Method for Analyzing Discourse Data From Clinical Populations. <i>Journal of Speech, Language, and Hearing Research</i> , 2010, 53, 1372-1393. | 0.7 | 44 |
| 76 | A modified sorting task to investigate consumer perceptions of extra virgin olive oils. <i>Food Quality and Preference</i> , 2010, 21, 881-892. | 2.3 | 66 |
| 77 | Beer-Trained and Untrained Assessors Rely More on Vision than on Taste When They Categorize Beers. <i>Chemosensory Perception</i> , 2009, 2, 143-153. | 0.7 | 41 |
| 78 | The Odor of Colors: Can Wine Experts and Novices Distinguish the Odors of White, Red, and Rosé Wines?. <i>Chemosensory Perception</i> , 2009, 2, 203-213. | 0.7 | 69 |
| 79 | Centroids. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 2009, 1, 259-260. | 2.1 | 10 |
| 80 | Recognition of Moving and Static Faces by Young Infants. <i>Child Development</i> , 2009, 80, 1259-1271. | 1.7 | 84 |
| 81 | Developmental shifts in children's sensitivity to visual speech: A new multimodal picture-word task. <i>Journal of Experimental Child Psychology</i> , 2009, 102, 40-59. | 0.7 | 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). <i>NeuroImage</i> , 2009, 45, 89-95. | 2.1 | 76 |
| 83 | Component structure of individual differences in true and false recognition of faces. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2009, 35, 1207-1230. | 0.7 | 14 |
| 84 | Role of Visual Speech in Phonological Processing by Children With Hearing Loss. <i>Journal of Speech, Language, and Hearing Research</i> , 2009, 52, 412-434. | 0.7 | 14 |
| 85 | Graded Structure in Odour Categories: A Cross-Cultural Case Study. <i>Perception</i> , 2009, 38, 292-309. | 0.5 | 17 |
| 86 | Regularized Multiple-Set Canonical Correlation Analysis. <i>Psychometrika</i> , 2008, 73, 753-775. | 1.2 | 41 |
| 87 | What is the validity of the sorting task for describing beers? A study using trained and untrained assessors. <i>Food Quality and Preference</i> , 2008, 19, 697-703. | 2.3 | 99 |
| 88 | Diffusion Tensor Tractography of Traumatic Diffuse Axonal Injury. <i>Archives of Neurology</i> , 2008, 65, 619-26. | 4.9 | 164 |
| 89 | Analyzing assessors and products in sorting tasks: DISTATIS, theory and applications. <i>Food Quality and Preference</i> , 2007, 18, 627-640. | 2.3 | 163 |
| 90 | Face Recognition Algorithms Surpass Humans Matching Faces Over Changes in Illumination. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007, 29, 1642-1646. | 9.7 | 156 |

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|-----|--|-----|-----------|
| 91 | Fusing Face-Verification Algorithms and Humans. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1149-1155. | 5.5 | 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. | 1.1 | 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. | 0.5 | 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. | 0.5 | 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. | 1.1 | 301 |
| 98 | A video database of moving faces and people. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 812-816. | 9.7 | 172 |
| 99 | Do trained assessors generalize their knowledge to new stimuli?. Food Quality and Preference, 2005, 16, 13-23. | 2.3 | 56 |
| 100 | Culture and odor categorization: agreement between cultures depends upon the odors. Food Quality and Preference, 2004, 15, 669-679. | 2.3 | 122 |
| 101 | Processing faces and facial expressions. Neuropsychology Review, 2003, 13, 113-143. | 2.5 | 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. | 4.0 | 413 |
| 104 | What can cognitive psychology and sensory evaluation learn from each other?. Food Quality and Preference, 2002, 13, 445-451. | 2.3 | 30 |
| 105 | Face recognition by myopic baby neural networks. Infant and Child Development, 2001, 10, 19-20. | 0.9 | 3 |
| 106 | Classifying adults' and children's faces by sex: computational investigations of subcategorical feature encoding. Cognitive Science, 2001, 25, 819-838. | 0.8 | 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. | 0.9 | 5 |
| 108 | From Rotation to Disfiguration: Testing a Dual-Strategy Model for Recognition of Faces across View Angles. Perception, 1999, 28, 817-824. | 0.5 | 12 |

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|-----|---|-----|-----------|
| 109 | The perception of face gender: The role of stimulus structure in recognition and classification. <i>Memory and Cognition</i> , 1998, 26, 146-160. | 0.9 | 182 |
| 110 | Sex Classification of Face Areas. <i>Journal of Biological Systems</i> , 1998, 06, 241-263. | 0.5 | 37 |
| 111 | Manipulating Face Gender. <i>Journal of Biological Systems</i> , 1998, 06, 219-239. | 0.5 | 7 |
| 112 | Eigenfeatures as intermediate-level representations: The case for PCA models. <i>Behavioral and Brain Sciences</i> , 1998, 21, 17-18. | 0.4 | 33 |
| 113 | What Represents a Face? A Computational Approach for the Integration of Physiological and Psychological Data. <i>Perception</i> , 1997, 26, 1271-1288. | 0.5 | 50 |
| 114 | Principal Component and Neural Network Analyses of Face Images: What Can Be Generalized in Gender Classification?. <i>Journal of Mathematical Psychology</i> , 1997, 41, 398-413. | 1.0 | 47 |
| 115 | Can a linear autoassociator recognize faces from new orientations?. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1996, 13, 717. | 0.8 | 25 |
| 116 | More about the Difference between Men and Women: Evidence from Linear Neural Networks and the Principal-Component Approach. <i>Perception</i> , 1995, 24, 539-562. | 0.5 | 142 |
| 117 | Connectionist models of face processing: A survey. <i>Pattern Recognition</i> , 1994, 27, 1209-1230. | 5.1 | 309 |
| 118 | Structural aspects of face recognition and the other-race effect. <i>Memory and Cognition</i> , 1994, 22, 208-224. | 0.9 | 246 |
| 119 | Automatic Activation of Addition and Multiplication Facts in Elementary School Children. <i>Journal of Experimental Child Psychology</i> , 1994, 57, 224-258. | 0.7 | 76 |
| 120 | Theory-based Correlations and Their Role in Children's Concepts. <i>Child Development</i> , 1993, 64, 1595-1616. | 1.7 | 59 |
| 121 | PrÃ©cis de connexionnisme. , 1993, , 279-314. | | 0 |
| 122 | 8 Reflecting on Representation and Process: Children's Understanding of Cognition. <i>Advances in Psychology</i> , 1992, 93, 275-322. | 0.1 | 1 |
| 123 | Commentary Reading Graphs: Interactions of Processing Requirements and Stimulus Structure, C. M. Carswell. <i>Advances in Psychology</i> , 1992, 93, 646-647. | 0.1 | 0 |
| 124 | Simulating the "Other-race Effect"™ as a Problem in Perceptual Learning. <i>Connection Science</i> , 1991, 3, 163-178. | 1.8 | 77 |
| 125 | Additive-Tree Representations. <i>Lecture Notes in Biomathematics</i> , 1990, , 43-59. | 0.3 | 24 |
| 126 | Arithmetic Problems Formulation and Working Memory Load. <i>Cognition and Instruction</i> , 1987, 4, 187-202. | 1.9 | 31 |

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|-----|---|-----|-----------|
| 127 | Stimulus versus Face Recognition in Laterally Displayed Stimuli. American Journal of Psychology, 1987, 100, 117. | 0.5 | 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. | 1.2 | 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. | 1.3 | 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. | 0.5 | 0 |