



Antonio Hardan, M.D.

Professor of Psychiatry and Behavioral Sciences

Psychiatry and Behavioral Sciences - Child & Adolescent Psychiatry and Child Development

CLINICAL OFFICE (PRIMARY)

- **Stanford Psychiatry Clinic**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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Bio

CLINICAL FOCUS

- Child and Adolescent Psychiatry

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Psychiatry and Behavioral Sciences - Child & Adolescent Psychiatry and Child Development
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Autism and Developmental Disabilities Clinic, (2006- present)
- Medical Director, Outpatient Program, Division of Child and Adolescent Psychiatry, (2011- present)
- Director, Division of Child and Adolescent Psychiatry, (2014- present)

PROFESSIONAL EDUCATION

- Internship: St Elizabeth Hospital (1991) DC
- Medical Education: St Joseph's University (1988) Lebanon
- Board Certification: Child and Adolescent Psychiatry, American Board of Psychiatry and Neurology (1997)
- Fellowship: University of Pittsburgh (1996) PA
- Board Certification: Psychiatry, American Board of Psychiatry and Neurology (1995)
- Residency: Strong Memorial Hospital (1993) NY

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The neurobiology of autism

Neuroimaging in individuals with autism

Psychopharmacological treatment of children and adults with autism and/or developmental disorders

The neurobiology and innovative interventions of several neurogenic disorders including DiGeorge Syndrome (Velocardiofacial syndrome; 22q11.2 mutations), PTEN mutations, and Phelan McDermid Syndrome (22q13 mutations).

CLINICAL TRIALS

- CB-EIP, Recruiting
- Diphenhydramine for Sleep in ASD, Recruiting
- Modified Pivotal Response Treatment for Insistence on Sameness in Autistic Youth, Recruiting
- Parent-Mediated Intervention Targeting Insistence on Sameness for Autistic Children, Recruiting
- Pilot Trial of Pregnenolone in Autism, Recruiting
- PRT HvC, Recruiting
- PRT-C, Recruiting
- PRT-Imaging, Recruiting
- PTEN , Recruiting
- Sleep restriction therapy for sleep problems in autism, Recruiting
- Suvorexant for Sleep in ASD, Recruiting
- TMS for RRB in ASD, Recruiting
- Zolpidem for Sleep in ASD, Recruiting
- A Study of Esomeprazole in Children With Autism, Not Recruiting
- A Study of N-Acetyl Cysteine in Children With Autism, Not Recruiting
- A Study of Pregnenolone in the Treatment of Individuals With Autism, Not Recruiting
- A Study of RG7314 to Investigate Efficacy and Safety in Individuals With Autism Spectrum Disorders (ASD), Not Recruiting
- An Evaluation of a Developmentally-Based Parent Training Program for Children With Autism, Not Recruiting
- An Open-Label Study of N-Acetyl Cysteine in Children With Autism, Not Recruiting
- DAOI, Not Recruiting
- Evaluating Parent Delivered Interventions for Children With Autism, Not Recruiting
- Pivotal Response Group Treatment for Parents of Young Children With Autism, Not Recruiting
- Pivotal Response Treatment for Individuals With Intellectual Disabilities, Not Recruiting
- Pivotal Response Treatment Package for Young Children With Autism, Not Recruiting
- Social SUCCESS, Not Recruiting
- The Role of Vasopressin in the Social Deficits of Autism, Not Recruiting
- Vasopressin Treatment Trial, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Emily Ferguson, Hosanna Kim, Rachel Schuck

Publications

PUBLICATIONS

- **Multifaceted Effect of Sleep Problems on Emotion Dysregulation in Individuals with ASD**
Ishii, T., Taweeseedt, P., Gropman, E., Kim, B., Baker, E., Chick, C., Cotto, I., Phillips, J., Jo, B., Hardan, A., Kawai, M., O'Hara, R., Hallmayer, et al
OXFORD UNIV PRESS INC.2026: A424
- **Real-World Data From a Group Parent Management Training Program Enhanced Using Artificial Intelligence: Qualitative Study.** *JMIR formative research*
Rivera-Cepeda, C. F., Pineda, B. S., Vaclavik, D., Bagner, D. M., Hardan, A. Y., Abadi, A., Mostovoy, K., Bunge, E. L.
2026; 10: e91841
- **Are Differences in Social Drive in Childhood and Adolescence Diagnosis Specific? A Multimeasurement Subtyping Approach** *JAACAP OPEN*
Chetcuti, L., Hardan, A., Spackman, E., Loth, E., Mcpartland, J. C., Frazier, T. W., Youngstrom, E. A., Krueger, R. F., Uljarevic, M.
2026; 4 (2): 268-280
- **Genomic modifiers of malignant and neurodevelopmental phenotypes in individuals with PTEN hamartoma tumor syndrome.** *NPJ genomic medicine*
Yehia, L., Li, L., Idumah, G., Frazier, T. W., Makarov, V., Bose, A., Parida, L., Hardan, A., Martinez-Agosto, J. A., Ritter, D. M., Sahin, M., Eng, C., Ni, et al
2026
- **Child Quality of Life as an Outcome Following Pivotal Response Treatment: Findings From Four Randomized Controlled Trials With Autistic Children.** *Journal of autism and developmental disorders*
Schuck, R. K., Ferguson, E. F., Spackman, E. K., Jevtic, E., Millan, M. E., Paszek, K., Komaki, H., Ma, Q., Phillips, J. M., Uljarević, M., Gengoux, G. W., Hardan, A. Y.
2026
- **Factor Structure and Psychometric Properties of the BIS/BAS Scales in Children and Adolescents With Autism.** *Autism research : official journal of the International Society for Autism Research*
Chetcuti, L., Hardan, A., Spackman, E., Smillie, L., Frazier, T. W., Uljarevic, M.
2026
- **Sensitivity Analysis of the Efficacy of Everolimus for Neurocognitive Symptoms in PTEN Hamartoma Tumor Syndrome.** *Advances in therapy*
Liu, Y., Wang, R., Srivastava, S., Jo, B., Frazier, T., Filip-Dhima, R., Eng, C., Hanna, R., Sahin, M., Hardan, A. Y., Zhang, B.
2025
- **Self-injurious behaviors with increased likelihood of injury in autistic youth: The role of distress linked to a strong preference for sameness.** *Autism : the international journal of research and practice*
Ferguson, E. F., Spackman, E., Hardan, A. Y., Uljarević, M.
2025: 13623613251396036
- **Characterizing Transdiagnostic Processes Underlying the Drive to Socially Engage: A Multimeasurement Factor Analytic Investigation** *JAACAP OPEN*
Chetcuti, L., Hardan, A. Y., Spackman, E., Frazier, T. W., Youngstrom, E. A., Uljarevic, M.
2025; 3 (4): 933-946
- **One Size Doesn't Fit All: Variability in Autistic Children's Response to Pivotal Response Treatment** *BEHAVIORAL SCIENCES*
Schuck, R. K., Jevtic, E., Ferguson, E. F., Millan, M., Slap, D. M., Uljarevic, M., Phillips, J. M., Hardan, A. Y., Gengoux, G. W.

2025; 15 (12)

- **One Size Doesn't Fit All: Variability in Autistic Children's Response to Pivotal Response Treatment.** *Behavioral sciences (Basel, Switzerland)*
Schuck, R. K., Jevtić, E., Ferguson, E. F., Millan, M. E., Slap, D. M., Uljarević, M., Phillips, J. M., Hardan, A. Y., Gengoux, G. W.
2025; 15 (12)
- **Factor Structure of the Sleep Disturbance Scale for Children in a Cohort of Youth With Autism.** *Autism research : official journal of the International Society for Autism Research*
Baker, E. K., Spackman, E., Chetcuti, L., Richdale, A. L., Hallmayer, J., Gradisar, M., Hardan, A. Y., Uljarevic, M.
2025
- **COMPREHENSIVE APPROACHES TO SLEEP DISTURBANCES IN YOUTH WITH AUTISM**
Hardan, A. Y., Erickson, C. A.
ELSEVIER SCIENCE INC.2025
- **Neurodevelopmental and Neurologic Manifestations of PTEN Hamartoma Tumor Syndrome: Management Recommendations.** *Neurology. Genetics*
Dhawan, A., Liu, D., Baitamouni, S., Anthony, K., Srivastava, S., Hardan, A. Y., Uljarevic, M., Lachlan, K. L., Frazier, T. W., Busch, R. M., Eng, C.
2025; 11 (5): e200299
- **INNOVATIVE PHARMACOLOGICAL TRIALS TARGETING SLEEP DISTURBANCES IN AUTISM**
Hardan, A. Y., Baker, E., Kawai, M., Taweeseedt, T., Ishii, T., Phillips, J. M., O'Hara, R., Hallmayer, J. F.
ELSEVIER SCIENCE INC.2025
- **Bridging the gap: unveiling key links between autism and anxiety symptoms in autistic children and youth using a network analysis in pooled data from four countries.** *Child and adolescent mental health*
Zaidman-Zait, A., Hollocks, M. J., Kerns, C. M., Magiati, I., McVey, A. J., Smith, I. M., Bedford, R., Bennett, T., Duku, E., Georgiades, S., Richard, A., Vaillancourt, T., Zwaigenbaum, et al
2025
- **Which Score for What? Operationalizing Standardized Cognitive Test Performance for the Assessment of Change.** *American journal on intellectual and developmental disabilities*
Farmer, C., Thurm, A., Das, T., Bebin, E. M., Bernstein, J. A., Berry-Kravis, E., Buxbaum, J. D., Eng, C., Frazier, T., Hardan, A. Y., Kolevzon, A., Krueger, D. A., Martinez-Agosto, et al
2025; 130 (5): 344-361
- **Advancing scientific understanding of the drive to socially engage: from broad constructs to transdiagnostic 'building blocks'.** *Molecular psychiatry*
Chetcuti, L., Hardan, A. Y., Frazier, T. W., Loth, E., McPartland, J. C., Youngstrom, E. A., Uljarevic, M.
2025
- **Neurobehavioral Signatures in Overgrowth Intellectual Disability Syndromes: Dissecting Genotype-Phenotype Relationships in the PI3K-AKT-MTOR Pathway.** *medRxiv : the preprint server for health sciences*
Besterman, A. D., Hellemann, G., Gutierrez-Mejia, I., Nguyen, D. C., Sadik, J., Gandara, V., Bernstein, J. A., Frazier, T., Hardan, A. Y., Eng, C., Sahin, M., Martinez-Agosto, J. A.
2025
- **Challenging Behavior Domains in Individuals With Neurodevelopmental Genetic Syndromes: The Role of Psychological Features.** *American journal of medical genetics. Part B, Neuropsychiatric genetics : the official publication of the International Society of Psychiatric Genetics*
Ferguson, E. F., Frazier, T. W., Hardan, A. Y., Uljarević, M.
2025
- **Transdiagnostic Examination of Interrelationships Between Anxiety, Insistence on Sameness and Compulsions.** *Autism research : official journal of the International Society for Autism Research*
Spackman, E., Chetcuti, L., Baker, E. K., Ferguson, E. F., Yerys, B. E., Herrington, J. D., Frazier, T. W., Leekam, S. R., Hardan, A. Y., Harrington, J. W., Uljarević, M.
2025
- **Transdiagnostic Examination of Interrelationships Between Anxiety, Insistence on Sameness and Compulsions** *AUTISM RESEARCH*
Spackman, E., Chetcuti, L., Baker, E. K., Ferguson, E. F., Yerys, B. E., Herrington, J. D., Frazier, T. W., Leekam, S. R., Hardan, A. Y., Harrington, J. W., Uljarevic, M.

2025

- **Placebo Effect in Clinical Trials in Autism: Experience from a Pregnenolone Treatment Study.** *Journal of autism and developmental disorders*
McGrath, J. C., Gong, J., Hegarty, J. P., Fung, L. K., Uljarevic, M., Hardan, A. Y.
2025
- **Maximizing accurate detection of divergence from normative expectation in behavioral intervention outcome assessment** *RESEARCH IN AUTISM*
Frazier, T. W., Huba, K., Frazier, A. R., Womack, R. A., Youngstrom, E. A., Chetcuti, L., Hardan, A. Y., Uljarevic, M.
2025; 126
- **Randomized Controlled Trial of Developmental Reciprocity Treatment in Young Children with Autism.** *Journal of autism and developmental disorders*
Gengoux, G. W., Paszek, K., Millan, M. E., Gong, J., Goodman, R., Guillory, S., Baldi, G., Libove, R., Phillips, J. M., Hardan, A. Y.
2025
- **Factor Structure and Psychometric Properties of the Child Social Preference Scale-3 in Children With Autism.** *Autism research : official journal of the International Society for Autism Research*
Chetcuti, L., Hardan, A. Y., Spackman, E., Baker, E., Frazier, T. W., Uljarevic, M.
2025
- **Characterizing predictors of response to behavioral interventions for children with autism spectrum disorder: A meta-analytic approach.** *Clinical psychology review*
Chetcuti, L., Uljarević, M., Schuck, R. K., Hardan, A. Y., Gengoux, G. W., Trembath, D., Vadgama, Y., Varcin, K. J., Vivanti, G., Whitehouse, A. J., Helton, M., Frazier, T. W.
2025; 119: 102588
- **Parsing the heterogeneity of social motivation in autism.** *Journal of child psychology and psychiatry, and allied disciplines*
Chetcuti, L., Hardan, A. Y., Spackman, E., Loth, E., McPartland, J. C., Frazier, T. W., Youngstrom, E. A., Uljarevic, M.
2025
- **Using Language Environment Analysis System (LENA) in Natural Settings to Characterize Outcomes of Pivotal Response Treatment.** *Journal of autism and developmental disorders*
Ferguson, E. F., Steele, M., Schuck, R. K., Millan, M. E., Libove, R. A., Phillips, J. M., Gengoux, G. W., Hardan, A. Y.
2025
- **Batch Correction and Comparison of Intracellular Signaling Among Multiple Rheumatic and Inflammatory Diseases** *JOURNAL OF PROBABILITY AND STATISTICS*
Holmes, T. H., Couse, M., Rosenberg-Hasson, Y., Fernandez, R., Fernandez, A., Mathi, K., Guthridge, J. M., James, J. A., Yabu, J. M., Haddad, F., Utz, P. J., Hardan, A., Fathman, et al
2025; 2025 (1)
- **Psychometric evaluation of the Autism Symptom Dimensions Questionnaire.** *Developmental medicine and child neurology*
Frazier, T. W., Dimitropoulos, A., Abbeduto, L., Armstrong-Brine, M., Kralovic, S., Shih, A., Hardan, A. Y., Youngstrom, E. A., Uljarević, M.
2024
- **Toward improved understanding and treatment of self-injurious behaviors in autistic individuals with profound intellectual disability.** *Autism research : official journal of the International Society for Autism Research*
Ferguson, E. F., Russell, K. M., Licon, S. J., Cai, R. Y., Frazier, T. W., Vivanti, G., Gengoux, G. W., Hardan, A. Y., Uljarević, M.
2024
- **Remote monitoring of social attention in neurogenetic syndromes and idiopathic neurodevelopmental disability.** *Autism research : official journal of the International Society for Autism Research*
Frazier, T. W., Busch, R. M., Klaas, P., Lachlan, K., Jeste, S., Kolevzon, A., Loth, E., Harris, J., Pepper, T., Anthony, K., Graglia, J. M., Helde, K., Delagrammatikas, et al
2024
- **Exploring the Heterogeneity of Self-Injurious Behaviors in Autistic Youth: Patterns, Predictors, and Implications for Intervention.** *Autism research : official journal of the International Society for Autism Research*
Ferguson, E. F., Spackman, E., Cai, R. Y., Hardan, A. Y., Uljarević, M.
2024

- **Neuromonitoring-guided working memory intervention in children with ADHD** *ISCIENCE*
Jounghani, A., Gozdas, E., Dacorro, L., Avelar-Pereira, B., Reitmaier, S., Fingerhut, H., Hong, D. S., Elliott, G., Hardan, A. Y., Hinshaw, S. P., Hosseini, S.
2024; 27 (11)
- **Neuromonitoring-guided working memory intervention in children with ADHD.** *iScience*
Rahimpour Jounghani, A., Gozdas, E., Dacorro, L., Avelar-Pereira, B., Reitmaier, S., Fingerhut, H., Hong, D. S., Elliott, G., Hardan, A. Y., Hinshaw, S. P., Hosseini, S. M.
2024; 27 (11): 111087
- **Quantifying neurobehavioral profiles across neurodevelopmental genetic syndromes and idiopathic neurodevelopmental disorders.** *Developmental medicine and child neurology*
Frazier, T. W., Busch, R. M., Klaas, P., Lachlan, K., Loth, E., Smith-Hicks, C., Sahin, M., Hardan, A. Y., Uljarevic, M.
2024
- **Characterizing associations between emotion dysregulation, anxiety, and repetitive behaviors in autistic youth with intellectual disability.** *Autism research : official journal of the International Society for Autism Research*
Ferguson, E. F., Spackman, E., Cai, R. Y., Hardan, A. Y., Uljarević, M.
2024
- **Adherence and Opportunity Frequency as Predictors of Communication Outcomes from Pivotal Response Parent Training.** *Journal of autism and developmental disorders*
Minjarez, M. B., Gengoux, G. W., Paszek, K., Liang, J. A., Ardel, C. M., Hardan, A. Y., Frazier, T.
2024
- **Characterising Insistence on Sameness and Circumscribed Interests: A Qualitative Study of Parent Perspectives.** *Journal of autism and developmental disorders*
Spackman, E., Geng, A., Smillie, L. D., Frazier, T. W., Hardan, A. Y., Alvarez, G. A., Whitehouse, A., Schuck, R. K., Leekam, S. R., Uljarević, M.
2024
- **Exploring the neurological features of individuals with germline PTEN variants: A multicenter study.** *Annals of clinical and translational neurology*
Dhawan, A., Baitamouni, S., Liu, D., Busch, R., Klaas, P., Frazier, T. W., Srivastava, S., Parikh, S., Hsieh, G. E., Friedman, N. R., Ritter, D. M., Hardan, A. Y., Martinez-Agosto, et al
2024
- **Vasopressin deficiency: a hypothesized driver of both social impairment and fluid imbalance in autism spectrum disorder.** *Molecular psychiatry*
Clarke, L., Gesundheit, N., Sherr, E. H., Hardan, A. Y., Parker, K. J.
2024
- **A Pilot Randomized Controlled Trial of Motivation-Based Social Skills Group Treatment with Parent Training.** *Journal of autism and developmental disorders*
Shkel, J., Geng, A., Pilchak, E., Millan, M. E., Schwartzman, J. M., Schuck, R., Bundang, M. V., Barnowski, A., Slap, D. M., Stratford, S., Hardan, A. Y., Phillips, J. M., Gengoux, et al
2024
- **Precision microbial intervention improves social behavior but not autism severity: A pilot double-blind randomized placebo-controlled trial.** *Cell host & microbe*
Mazzone, L., Dooling, S. W., Volpe, E., Uljarević, M., Waters, J. L., Sabatini, A., Arturi, L., Abate, R., Riccioni, A., Siracusano, M., Pereira, M., Engstrand, L., Cristofori, et al
2023
- **A RESEARCH DOMAIN CRITERIA (RDOC) APPROACH TO CHARACTERIZE SOCIAL COGNITION IN YOUTH WITH ADHD AND ASD**
Hardan, A., Phillips, J. M., Frazier, T., Uljarevic, M.
ELSEVIER SCIENCE INC.2023: S355
- **UTILIZING THE RESEARCH DOMAIN CRITERIA (RDOC) FRAMEWORK TO ADVANCE UNDERSTANDING OF SOCIAL DEFICITS ACROSS NEURODEVELOPMENTAL AND NEUROPSYCHIATRIC DISORDERS**
Uljarevic, M., Hardan, A.
ELSEVIER SCIENCE INC.2023: S389

- **IDENTIFYING ASD SOCIAL SUBTYPES IN ASD: A PRELIMINARY STUDY USING THE RESEARCH DOMAIN CRITERIA (RDOC) FRAMEWORK**
Uljarevic, M., Phillips, J. M., Hardan, A.
ELSEVIER SCIENCE INC.2023: S389
- **ADVANCING UNDERSTANDING OF NEURODEVELOPMENTAL AND NEUROPSYCHIATRIC DISORDERS THROUGH NOVEL ASSESSMENTS**
Uljarevic, M., Scahill, L., Hardan, A.
ELSEVIER SCIENCE INC.2023: S398
- **CHARACTERIZING MECHANISMS UNDERPINNING INSISTENCE ON SAMENESS IN CHILDREN AND ADOLESCENTS WITH ASD**
Pascale, I., Spackman, E., Hardan, A., Uljarevic, M.
ELSEVIER SCIENCE INC.2023: S294-S295
- **DEVELOPMENT AND VALIDATION OF THE DIMENSIONAL ASSESSMENT OF RESTRICTED AND REPETITIVE BEHAVIORS**
Uljarevic, M., Hardan, A.
ELSEVIER SCIENCE INC.2023: S399
- **Characterizing subdomains of insistence on sameness in autistic youth.** *Autism research : official journal of the International Society for Autism Research*
Spackman, E., Smillie, L. D., Frazier, T. W., Hardan, A. Y., Uljarevic, M.
2023
- **Electronic health records identify timely trends in childhood mental health conditions.** *Child and adolescent psychiatry and mental health*
Elia, J., Pajer, K., Prasad, R., Pumariega, A., Maltenfort, M., Utidjian, L., Shenkman, E., Kelleher, K., Rao, S., Margolis, P. A., Christakis, D. A., Hardan, A. Y., Ballard, et al
2023; 17 (1): 107
- **Development of webcam-collected and artificial-intelligence-derived social and cognitive performance measures for neurodevelopmental genetic syndromes.** *American journal of medical genetics. Part C, Seminars in medical genetics*
Frazier, T. W., Busch, R. M., Klaas, P., Lachlan, K., Jeste, S., Kolevzon, A., Loth, E., Harris, J., Speer, L., Pepper, T., Anthony, K., J Michael, G., Delagrammatikas, et al
2023
- **Anxiety, concerns and COVID-19: Cross-country perspectives from families and individuals with neurodevelopmental conditions.** *Journal of global health*
Sideropoulos, V., Van Herwegen, J., Meuleman, B., Alessandri, M., Alnemary, F. M., Rad, J. A., Lavenex, P. A., Bolshakov, N., Bolte, S., Buffle, P., Cai, R. Y., Campos, R., Chirita-Emandi, et al
2023; 13: 04081
- **A Twin Study of Altered White Matter Heritability in Youth With Autism Spectrum Disorder.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Hegarty, J. P., Monterrey, J. C., Tian, Q., Cleveland, S. C., Gong, X., Phillips, J. M., Wolke, O., McNab, J. A., Hallmayer, J., Reiss, A. L., Hardan, A. Y., Lazzeroni, L. C.
2023
- **Categorical versus dimensional structure of autism spectrum disorder: A multi-method investigation.** *JCPP advances*
Frazier, T. W., Chetcuti, L., Al-Shaban, F. A., Haslam, N., Ghazal, I., Klingemier, E. W., Aldosari, M., Whitehouse, A. J., Youngstrom, E. A., Hardan, A. Y., Uljarevic, M.
2023; 3 (2): e12142
- **Arriving at the empirically based conceptualization of restricted and repetitive behaviors: A systematic review and meta-analytic examination of factor analyses.** *Clinical psychology review*
Uljarevic, M., Spackman, E. K., Whitehouse, A. J., Frazier, T. W., Billingham, W., Condron, P., Hardan, A., Leekam, S. R.
2023; 103: 102286
- **Reliability of the Commonly Used and Newly-Developed Autism Measures.** *Journal of autism and developmental disorders*
Frazier, T. W., Whitehouse, A. J., Leekam, S. R., Carrington, S. J., Alvares, G. A., Evans, D. W., Hardan, A. Y., Uljarevic, M.
2023
- **Longitudinal neurobehavioral profiles in children and young adults with PTEN hamartoma tumor syndrome and reliable methods for assessing neurobehavioral change.** *Journal of neurodevelopmental disorders*

- Busch, R. M., Frazier li, T. W., Sonneborn, C., Hogue, O., Klaas, P., Srivastava, S., Hardan, A. Y., Martinez-Agosto, J. A., Sahin, M., Eng, C. 2023; 15 (1): 3
- **The Autism Symptom Dimensions Questionnaire: Development and psychometric evaluation of a new, open-source measure of autism symptomatology.** *Developmental medicine and child neurology*
Frazier, T. W., Dimitropoulos, A., Abbeduto, L., Armstrong-Brine, M., Kralovic, S., Shih, A., Hardan, A. Y., Youngstrom, E. A., Uljarevic, M., Quadrant Biosciences - As You Are Team, Speer, L., Wagner, K., West, K., et al
2023
 - **Profiles of circumscribed interests in autistic youth.** *Frontiers in behavioral neuroscience*
Spackman, E., Smillie, L. D., Frazier, T. W., Hardan, A. Y., Alvares, G. A., Whitehouse, A., Uljarevic, M.
2023; 17: 1037967
 - **Dimensional Assessment of Restricted and Repetitive Behaviors: Development and Preliminary Validation of a New Measure.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Uljarević, M., Frazier, T. W., Jo, B., Scahill, L., Youngstrom, E. A., Spackman, E., Phillips, J. M., Billingham, W., Hardan, A.
2022
 - **Characterizing restricted and unusual interests in autistic youth.** *Autism research : official journal of the International Society for Autism Research*
Spackman, E., Smillie, L., Frazier, T. W., Hardan, A. Y., Alvares, G. A., Whitehouse, A., Uljarević, M.
2022
 - **Sleep architecture is associated with core symptom severity in autism spectrum disorder.** *Sleep*
Kawai, M., Buck, C., Chick, C. F., Anker, L., Talbot, L., Schneider, L., Linkovski, O., Cotto, I., Parker-Fong, K., Phillips, J., Hardan, A., Hallmayer, J., O'Hara, et al
2022
 - **Maladaptive behaviors in children with autism and parental hopelessness: The moderating role of parental reflective functioning.** *Autism research : official journal of the International Society for Autism Research*
Enav, Y., Knudtson, M. V., Hardan, A. Y., Gross, J. J.
2022
 - **INTRODUCING KIDSFIRST: A DIVERSE, LONGITUDINAL PHENOTYPIC DATABASE FOR FAMILIES WITH ASD**
McNealis, M., Kent, J., Dunlap, K., Abbeduto, L., Dimitropoulos, A., Dombrose, F., Hardan, A., Lane, J., Phillips, B., Rodriguez, N., Wall, D. P.
ELSEVIER SCIENCE INC.2022: S245-S246
 - **BRAIN STIMULATION INTERVENTIONS IN ASD: EFFORTS FOR THE DEVELOPMENT OF A PROMISING INTERVENTION APPROACH**
Ameis, S., Freitag, C. M., Hardan, A.
ELSEVIER SCIENCE INC.2022: S313
 - **Understanding the heterogeneity of anxiety in autistic youth: A person-centered approach.** *Autism research : official journal of the International Society for Autism Research*
Spackman, E., Lerh, J. W., Rodgers, J., Hollocks, M. J., South, M., McConachie, H., Ozsivadjian, A., Vaughan Van Hecke, A., Libove, R., Hardan, A. Y., Leekam, S. R., Simonoff, E., Frazier, et al
2022
 - **A randomized controlled trial of Everolimus for neurocognitive symptoms in PTEN hamartoma tumor syndrome.** *Human molecular genetics*
Srivastava, S., Jo, B., Zhang, B., Frazier, T., Gallagher, A. S., Peck, F., Levin, A. R., Mondal, S., Li, Z., Filip-Dhima, R., Geisel, G., Dies, K. A., Diplock, et al
2022
 - **Big Data Approach to Characterize Restricted and Repetitive Behaviors in Autism** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
Uljarevic, M., Frazier, T. W., Jo, B., Billingham, W. D., Cooper, M. N., Youngstrom, E. A., Scahill, L., Hardan, A. Y.
2022; 61 (3): 446-457
 - **Characterizing Emotion Recognition and Theory of Mind Performance Profiles in Unaffected Siblings of Autistic Children** *FRONTIERS IN PSYCHOLOGY*
Uljarevic, M., Bott, N. T., Libove, R. A., Phillips, J. M., Parker, K. J., Hardan, A. Y.
2022; 12: 736324

- **Subdomains of restricted and repetitive behaviors within autism: Exploratory structural equation modeling using the diagnostic interview for social and communication disorders.** *Autism research : official journal of the International Society for Autism Research*
Uljarevic, M., Carrington, S. J., Hardan, A. Y., Leekam, S. R.
2022
- **Daily living skills scale: Development and preliminary validation of a new, open-source assessment of daily living skills.** *Frontiers in psychiatry*
Uljarević, M., Spackman, E. K., Cai, R. Y., Paszek, K. J., Hardan, A. Y., Frazier, T. W.
2022; 13: 1108471
- **Characterizing dermatologic findings among patients with PTEN hamartoma tumor syndrome: results of a multi-center cohort study.** *Journal of the American Academy of Dermatology*
Morgan, F. C., Yehia, L., McDonald, C., Martinez-Agosto, J. A., Hardan, A. Y., Tamburro, J., Sahin, M., Bayart, C., Eng, C.
2022
- **Development and validation of the Executive Functioning Scale.** *Frontiers in psychiatry*
Uljarevic, M., Cai, R. Y., Hardan, A. Y., Frazier, T. W.
2022; 13: 1078211
- **FAR: End-to-End Vibrotactile Distributed System Designed to Facilitate Affect Regulation in Children Diagnosed with Autism Spectrum Disorder Through Slow Breathing**
Miri, P., Arora, M., Malhotra, A., Flory, R., Hu, S., Lowber, A., Goyal, I., Nguyen, J., Hegarty, J., Kohn, M., Schneider, D., Culbertson, H., Yamins, et al
ASSOC COMPUTING MACHINERY.2022
- **Editorial: Precision medicine approaches for heterogeneous conditions such as autism spectrum disorders (The need for a biomarker exploration phase in clinical trials - Phase 2m).** *Frontiers in psychiatry*
Beverdorf, D. Q., Anagnostou, E., Hardan, A., Wang, P., Erickson, C. A., Frazier, T. W., Veenstra-VanderWeele, J.
2022; 13: 1079006
- **Cognitive reappraisal training for parents of children with autism spectrum disorder.** *Frontiers in psychiatry*
Enav, Y., Hardan, A. Y., Gross, J. J.
2022; 13: 995669
- **Toward better characterization of restricted and unusual interests in youth with autism.** *Autism : the international journal of research and practice*
Uljarevic, M., Alvares, G. A., Steele, M., Edwards, J., Frazier, T. W., Hardan, A. Y., Whitehouse, A. J.
2021: 13623613211056720
- **Toward better characterization of restricted and repetitive behaviors in individuals with germline heterozygous PTEN mutations.** *American journal of medical genetics. Part A*
Uljarevic, M., Frazier, T. W., Rached, G., Busch, R. M., Klaas, P., Srivastava, S., Martinez-Agosto, J. A., Sahin, M., Eng, C., Hardan, A. Y.,
Developmental Synaptopathies Consortium
2021
- **Big Data Approach to Characterize Restricted and Repetitive Behaviors in Autism.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Uljarevic, M., Frazier, T. W., Jo, B., Billingham, W. D., Cooper, M. N., Youngstrom, E. A., Scahill, L., Hardan, A. Y.
2021
- **Brief Report: Emotion Regulation Influences on Internalizing and Externalizing Symptoms Across the Normative-Clinical Continuum** *FRONTIERS IN PSYCHIATRY*
Cai, R., Hardan, A. Y., Phillips, J. M., Frazier, T. W., Uljarevi, M.
2021; 12: 693570
- **Relationship Between Social Motivation in Children With Autism Spectrum Disorder and Their Parents** *FRONTIERS IN NEUROSCIENCE*
Uljarevic, M., Frazier, T. W., Jo, B., Phillips, J. M., Billingham, W., Cooper, M. N., Hardan, A. Y.
2021; 15: 660330
- **A case-control study of visual, auditory and audio-visual sensory interactions in children with autism spectrum disorder.** *Journal of vision*
Norcia, A. M., Lee, A., Meredith, W. J., Kohler, P. J., Pei, F., Ghassan, S. A., Libove, R. A., Phillips, J. M., Hardan, A. Y.
2021; 21 (4): 5

- **Parenting stress in autism spectrum disorder may account for discrepancies in parent and clinician ratings of child functioning.** *Autism : the international journal of research and practice*
Schwartzman, J. M., Hardan, A. Y., Gengoux, G. W.
2021: 1362361321998560
- **A randomized double-blind controlled trial of everolimus in individuals with PTEN mutations: Study design and statistical considerations.** *Contemporary clinical trials communications*
Hardan, A. Y., Jo, B., Frazier, T. W., Klaas, P., Busch, R. M., Dies, K. A., Filip-Dhima, R., Snow, A. V., Eng, C., Hanna, R., Zhang, B., Sahin, M.
2021; 21: 100733
- **Brief Report: Role of Parent-Reported Executive Functioning and Anxiety in Insistence on Sameness in Individuals with Germline PTEN Mutations.** *Journal of autism and developmental disorders*
Uljarevic, M., Frazier, T. W., Rached, G., Busch, R. M., Klaas, P., Srivastava, S., Martinez-Agosto, J. A., Sahin, M., Eng, C., Hardan, A. Y., Developmental Synaptopathies Consortium
2021
- **A Longitudinal Study of Language Trajectories and Treatment Outcomes of Early Intensive Behavioral Intervention for Autism.** *Journal of autism and developmental disorders*
Frazier, T. W., Klingemier, E. W., Anderson, C. J., Gengoux, G. W., Youngstrom, E. A., Hardan, A. Y.
2021
- **Cross-level analysis of molecular and neurobehavioral function in a prospective series of patients with germline heterozygous PTEN mutations with and without autism.** *Molecular autism*
Frazier, T. W., Jaini, R., Busch, R. M., Wolf, M., Sadler, T., Klaas, P., Hardan, A. Y., Martinez-Agosto, J. A., Sahin, M., Eng, C., Developmental Synaptopathies Consortium, Warfield, S. K., Scherrer, B., et al
2021; 12 (1): 5
- **Language Improvement Following Pivotal Response Treatment for Children With Developmental Disorders.** *American journal on intellectual and developmental disabilities*
Schwartzman, J. M., Strong, K. n., Ardel, C. M., Schuck, R. K., Millan, M. E., Phillips, J. M., Hardan, A. Y., Gengoux, G. W.
2021; 126 (1): 45–57
- **SUPPORTING WORKING PARENTS IN AN ACADEMIC PSYCHIATRY DEPARTMENT DURING THE COVID-19 PANDEMIC: THE VIRTUAL CHILD ENGAGEMENT PROGRAM**
White, D., Aufderheide, C., Figueroa, J., Meza, E., Bundang, M., Libove, R., Gengoux, G., Hardan, A.
ELSEVIER SCIENCE INC.2021: S207
- **Using the big data approach to clarify the structure of restricted and repetitive behaviors across the most commonly used autism spectrum disorder measures.** *Molecular autism*
Uljarević, M., Jo, B., Frazier, T. W., Scahill, L., Youngstrom, E. A., Hardan, A. Y.
2021; 12 (1): 39
- **Psychiatric Characteristics Across Individuals With PTEN Mutations.** *Frontiers in psychiatry*
Steele, M., Uljarevic, M., Rached, G., Frazier, T. W., Phillips, J. M., Libove, R. A., Busch, R. M., Klaas, P., Martinez-Agosto, J. A., Srivastava, S., Eng, C., Sahin, M., Hardan, et al
2021; 12: 672070
- **Examining Effectiveness and Predictors of Treatment Response of Pivotal Response Treatment in Autism: An Umbrella Review and a Meta-Analysis.** *Frontiers in psychiatry*
Uljarevic, M., Billingham, W., Cooper, M. N., Condron, P., Hardan, A. Y.
2021; 12: 766150
- **Temperament in individuals with Autism Spectrum Disorder: A systematic review.** *Clinical psychology review*
Chetcuti, L. n., Uljarević, M. n., Ellis-Davies, K. n., Hardan, A. Y., Whitehouse, A. J., Hedley, D. n., Putnam, S. n., Hudry, K. n., Prior, M. R.
2021; 85: 101984
- **Enhancing Social Initiations Using Naturalistic Behavioral Intervention: Outcomes from a Randomized Controlled Trial for Children with Autism.** *Journal of autism and developmental disorders*
Gengoux, G. W., Schwartzman, J. M., Millan, M. E., Schuck, R. K., Ruiz, A. A., Weng, Y. n., Long, J. n., Hardan, A. Y.
2021

- **Genetic and environmental influences on structural brain measures in twins with autism spectrum disorder** *MOLECULAR PSYCHIATRY*
Hegarty, J. P., Pegoraro, L. F. L., Lazzeroni, L. C., Raman, M. M., Hallmayer, J. F., Monterrey, J. C., Cleveland, S. C., Wolke, O. N., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2020; 25 (10): 2556–66
- **NOVEL EARLY INTERVENTION IN AUTISM SPECTRUM DISORDER: BASIC PRINCIPLES AND NEW RESEARCH**
Hardan, A., Gengoux, G. W., Veenstra-VanderWeele, J.
ELSEVIER SCIENCE INC.2020: S271
- **A RANDOMIZED CONTROLLED TRIAL OF A DEVELOPMENTAL RECIPROCITY TREATMENT PROGRAM IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER**
Hardan, A., Millan, M., Baldi, G., Phillips, J., Goodman, R., Gengoux, G. W.
ELSEVIER SCIENCE INC.2020: S272–S273
- **PIVOTAL RESPONSE TREATMENT: APPLICATION TO NEW POPULATIONS AND SERVICE-DELIVERY MODELS**
Gengoux, G. W., Shahabuddin, A., Schwartzman, J., Schuck, R., Strong, K., Ardel, C., Hardan, A.
ELSEVIER SCIENCE INC.2020: S271–S272
- **Exploring Social Subtypes in Autism Spectrum Disorder: A Preliminary Study.** *Autism research : official journal of the International Society for Autism Research*
Uljarevic, M., Phillips, J. M., Schuck, R. K., Schapp, S., Solomon, E. M., Salzman, E., Allerhand, L., Libove, R. A., Frazier, T. W., Hardan, A. Y.
2020
- **Contextual determinants of parental reflective functioning: Children with autism versus their typically developing siblings.** *Autism : the international journal of research and practice*
Enav, Y., Erhard-Weiss, D., Goldenberg, A., Knudston, M., Hardan, A. Y., Gross, J. J.
2020: 1362361320908096
- **Rapid Eye-Tracking Evaluation of Language in Children and Adolescents Referred for Assessment of Neurodevelopmental Disorders** *JOURNAL OF INTELLECTUAL & DEVELOPMENTAL DISABILITY*
Frazier, T. W., Hauschild, K. M., Klingemier, E., Strauss, M. S., Hardan, A. Y., Youngstrom, E. A.
2020
- **Identifying and measuring the common elements of naturalistic developmental behavioral interventions for autism spectrum disorder: Development of the NDBI-Fi.** *Autism : the international journal of research and practice*
Frost, K. M., Brian, J. n., Gengoux, G. W., Hardan, A. n., Rieth, S. R., Stahmer, A. n., Ingersoll, B. n.
2020: 1362361320944011
- **Quantifying Research Domain Criteria Social Communication Subconstructs Using the Social Communication Questionnaire in Youth.** *Journal of clinical child and adolescent psychology : the official journal for the Society of Clinical Child and Adolescent Psychology, American Psychological Association, Division 53*
Uljarević, M. n., Frazier, T. W., Phillips, J. M., Jo, B. n., Littlefield, S. n., Hardan, A. Y.
2020: 1–11
- **Thalamic and prefrontal GABA concentrations but not GABAA receptor densities are altered in high-functioning adults with autism spectrum disorder.** *Molecular psychiatry*
Fung, L. K., Flores, R. E., Gu, M. n., Sun, K. L., James, D. n., Schuck, R. K., Jo, B. n., Park, J. H., Lee, B. C., Jung, J. H., Kim, S. E., Saggat, M. n., Sacchet, et al
2020
- **Effects of pivotal response treatment on reciprocal vocal contingency in a randomized controlled trial of children with autism spectrum disorder.** *Autism : the international journal of research and practice*
McDaniel, J. n., Yoder, P. n., Crandall, M. n., Millan, M. E., Ardel, C. M., Gengoux, G. W., Hardan, A. Y.
2020: 1362361320903138
- **Anxiety in young people with autism spectrum disorder: Common and autism-related anxiety experiences and their associations with individual characteristics.** *Autism : the international journal of research and practice*
Lau, B. Y., Leong, R., Uljarevic, M., Lerh, J. W., Rodgers, J., Hollocks, M. J., South, M., McConachie, H., Ozsivadjian, A., Van Hecke, A., Libove, R., Hardan, A., Leekam, et al
2019: 1362361319886246

- **Efficacy and safety of memantine in children with autism spectrum disorder: Results from three phase 2 multicenter studies** *AUTISM*
Hardan, A. Y., Hendren, R. L., Aman, M. G., Robb, A., Melmed, R. D., Andersen, K. A., Luchini, R., Rahman, R., Ali, S., Jia, X., Mallick, M., Lateiner, J. E., Palmer, et al
2019; 23 (8): 2096–2111
- **Genetic and environmental influences on corticostriatal circuits in twins with autism** *Journal of psychiatry & neuroscience : JPN*
Hegarty II, J. P., Lazzeroni, L. C., Raman, M. M., Hallmayer, J. F., Cleveland, S. C., Wolke, O. N., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2019; 44 (6): 190030
- **Interrelationship Between Cognitive Control, Anxiety, and Restricted and Repetitive Behaviors in Children with 22q11.2 Deletion Syndrome.** *Autism research : official journal of the International Society for Autism Research*
Uljarevic, M., McCabe, K. L., Angkustsiri, K., Simon, T. J., Hardan, A. Y.
2019
- **A Pivotal Response Treatment Package for Children With Autism Spectrum Disorder: An RCT.** *Pediatrics*
Gengoux, G. W., Abrams, D. A., Schuck, R., Millan, M. E., Libove, R., Ardel, C. M., Phillips, J. M., Fox, M., Frazier, T. W., Hardan, A. Y.
2019
- **A non randomized mentalization intervention for parents of children with autism** *AUTISM RESEARCH*
Enav, Y., Erhard-Weiss, D., Kopelman, M., Samson, A. C., Mehta, S., Gross, J. J., Hardan, A. Y.
2019; 12 (7): 1077–86
- **Blood oxytocin concentration positively predicts contagious yawning behavior in children with autism spectrum disorder.** *Autism research : official journal of the International Society for Autism Research*
Mariscal, M. G., Oztan, O., Rose, S. M., Libove, R. A., Jackson, L. P., Sumiyoshi, R. D., Trujillo, T. H., Carson, D. S., Phillips, J. M., Garner, J. P., Hardan, A. Y., Parker, K. J.
2019
- **A randomized placebo-controlled pilot trial shows that intranasal vasopressin improves social deficits in children with autism** *SCIENCE TRANSLATIONAL MEDICINE*
Parker, K. J., Oztan, O., Libove, R. A., Mohsin, N., Karhson, D. S., Sumiyoshi, R. D., Summers, J. E., Hinman, K. E., Motonaga, K. S., Phillips, J. M., Carson, D. S., Fung, L. K., Garner, et al
2019; 11 (491)
- **A non randomized mentalization intervention for parents of children with autism.** *Autism research : official journal of the International Society for Autism Research*
Enav, Y., Erhard-Weiss, D., Kopelman, M., Samson, A. C., Mehta, S., Gross, J. J., Hardan, A. Y.
2019
- **Effects of a parent-implemented Developmental Reciprocity Treatment Program for children with autism spectrum disorder** *AUTISM*
Gengoux, G. W., Schapp, S., Burton, S., Ardel, C. M., Libove, R. A., Baldi, G., Berquist, K. L., Phillips, J. M., Hardan, A. Y.
2019; 23 (3): 713–25
- **A pilot investigation of neuroimaging predictors for the benefits from pivotal response treatment for children with autism** *JOURNAL OF PSYCHIATRIC RESEARCH*
Hegarty, J. P., Gengoux, G. W., Berquist, K. L., Milian, M., Tamura, S. M., Karve, S., Rosenthal, M. D., Phillips, J. M., Hardan, A. Y.
2019; 111: 140–44
- **A pilot investigation of neuroimaging predictors for the benefits from pivotal response treatment for children with autism.** *Journal of psychiatric research*
Hegarty, J. P., Gengoux, G. W., Berquist, K. L., Millan, M. E., Tamura, S. M., Karve, S., Rosenthal, M. D., Phillips, J. M., Hardan, A. Y.
2019; 111: 140–44
- **Genetic and environmental influences on structural brain measures in twins with autism spectrum disorder.** *Molecular psychiatry*
Hegarty, J. P., Pegoraro, L. F., Lazzeroni, L. C., Raman, M. M., Hallmayer, J. F., Monterrey, J. C., Cleveland, S. C., Wolke, O. N., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2019
- **Development of the Stanford Social Dimensions Scale: initial validation in autism spectrum disorder and in neurotypicals.** *Molecular autism*
Phillips, J. M., Uljarević, M. n., Schuck, R. K., Schapp, S. n., Solomon, E. M., Salzman, E. n., Allerhand, L. n., Libove, R. A., Frazier, T. W., Hardan, A. Y.

2019; 10: 48

- **Neurodevelopmental Disorders** *AMERICAN PSYCHIATRIC ASSOCIATION PUBLISHING TEXTBOOK OF PSYCHIATRY, 7TH EDITION*
Hong, D. S., Fung, L. K., Hardan, A.
edited by Roberts, L. W.
2019: 225–55
- **Genetic and Environmental Influences on Lobar Brain Structures in Twins With Autism.** *Cerebral cortex (New York, N.Y. : 1991)*
Hegarty, J. P., Lazzeroni, L. C., Raman, M. M., Pegoraro, L. F., Monterrey, J. C., Cleveland, S. C., Hallmayer, J. F., Wolke, O. N., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2019
- **Physical Exercise in the Management of Autism Spectrum Disorders** *LIFESTYLE PSYCHIATRY*
Venugopalakrishnan, J., Hardan, A.
edited by Noordsy, D. L.
2019: 153–67
- **Challenges to the social motivation theory of autism: The dangers of counteracting an imprecise theory with even more imprecision** *BEHAVIORAL AND BRAIN SCIENCES*
Uljarevic, M., Vivanti, G., Leekam, S. R., Hardan, A. Y.
2019; 42
- **Efficacy and safety of memantine in children with autism spectrum disorder: Results from three phase 2 multicenter studies.** *Autism : the international journal of research and practice*
Hardan, A. Y., Hendren, R. L., Aman, M. G., Robb, A. n., Melmed, R. D., Andersen, K. A., Luchini, R. n., Rahman, R. n., Ali, S. n., Jia, X. D., Mallick, M. n., Lateiner, J. E., Palmer, et al
2019: 1362361318824103
- **Mapping the Research Domain Criteria Social Processes Constructs to the Social Responsiveness Scale.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Uljarević, M. n., Frazier, T. W., Phillips, J. M., Jo, B. n., Littlefield, S. n., Hardan, A. Y.
2019
- **Neurobehavioral phenotype of autism spectrum disorder associated with germline heterozygous mutations in PTEN.** *Translational psychiatry*
Busch, R. M., Srivastava, S. n., Hogue, O. n., Frazier, T. W., Klaas, P. n., Hardan, A. n., Martinez-Agosto, J. A., Sahin, M. n., Eng, C. n.
2019; 9 (1): 253
- **Genetic and environmental influences on cortico-striatal circuits in twins with autism.** *Genetic and environmental influences on cortico-striatal circuits in twins with autism.*
Hegarty, J. P., Lazzeroni, L. C., Raman, M. M., Hallmayer, J. C., Cleveland, S. C., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2019
- **A randomized placebo-controlled pilot trial shows that intranasal vasopressin improves social deficits in children with autism.** *Science translational medicine*
Parker, K. J., Oztan, O. n., Libove, R. A., Mohsin, N. n., Karhson, D. S., Sumiyoshi, R. D., Summers, J. E., Hinman, K. E., Motonaga, K. S., Phillips, J. M., Carson, D. S., Fung, L. K., Garner, et al
2019
- **Socio-Communicative Deficits are Modulated by GABA Concentrations but Not GABA(A) Receptor Densities in Adults With Autism Spectrum Disorder**
Fung, L., Flores, R., Gu, M., Spielman, D., Chin, F., Hardan, A.
NATURE PUBLISHING GROUP.2018: S317
- **Development and Validation of Objective and Quantitative Eye Tracking-Based Measures of Autism Risk and Symptom Levels.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Frazier, T. W., Klingemier, E. W., Parikh, S., Speer, L., Strauss, M. S., Eng, C., Hardan, A. Y., Youngstrom, E. A.
2018; 57 (11): 858–66
- **Development and Validation of Objective and Quantitative Eye Tracking-Based Measures of Autism Risk and Symptom Levels** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
Frazier, T. W., Klingemier, E. W., Parikh, S., Speer, L., Strauss, M. S., Eng, C., Hardan, A. Y., Youngstrom, E. A.

2018; 57 (11): 858-866

● **A CONTROLLED STUDY OF INTRANASAL VASOPRESSIN IN ASD**

Hardan, A.

ELSEVIER SCIENCE INC.2018: S287

● **Cerebrospinal fluid vasopressin and symptom severity in children with autism** *ANNALS OF NEUROLOGY*

Oztan, O., Garner, J. P., Partap, S., Sherr, E. H., Hardan, A. Y., Farmer, C., Thurm, A., Swedo, S. E., Parker, K. J.

2018; 84 (4): 611–15

● **Cerebrospinal fluid vasopressin and symptom severity in children with autism.** *Annals of neurology*

Oztan, O., Garner, J. P., Partap, S., Sherr, E. H., Hardan, A. Y., Farmer, C., Thurm, A., Swedo, S. E., Parker, K. J.

2018

● **Arginine vasopressin in cerebrospinal fluid is a marker of sociality in nonhuman primates** *SCIENCE TRANSLATIONAL MEDICINE*

Parker, K. J., Garner, J. P., Oztan, O., Tarara, E. R., Li, J., Sclafani, V., Del Rosso, L. A., Chun, K., Berquist, S. W., Chez, M. G., Partap, S., Hardan, A. Y., Sherr, et al

2018; 10 (439)

● **Effects of a parent-implemented Developmental Reciprocity Treatment Program for children with autism spectrum disorder.** *Autism : the international journal of research and practice*

Gengoux, G. W., Schapp, S., Burton, S., Ardel, C. M., Libove, R. A., Baldi, G., Berquist, K. L., Phillips, J. M., Hardan, A. Y.

2018: 1362361318775538

● **Plasma anandamide concentrations are lower in children with autism spectrum disorder** *MOLECULAR AUTISM*

Karhson, D. S., Krasinska, K. M., Dallaire, J., Libove, R. A., Phillips, J. M., Chien, A. S., Garner, J. P., Hardan, A. Y., Parker, K. J.

2018; 9: 18

● **Comprehensive Examination of the GABAergic System in Adults With Autism by Simultaneous [18F] Flumazenil-Positron Emission Tomography and Magnetic Resonance Spectroscopy**

Fung, L., Flores, R., Liu, K., Gu, M., Spielman, D., Chin, F., Hardan, A.

NATURE PUBLISHING GROUP.2017: S206–S207

● **Biomarker Discovery for Social Impairments: Translation From a Novel Monkey Model to Patients With Autism**

Parker, K., Garner, J., Oztan, O., Tarara, E., Li, J., Sclafani, V., Del Rosso, L., Chun, K., Berquist, S., Chez, M., Partap, S., Hardan, A., Sherr, et al

NATURE PUBLISHING GROUP.2017: S501–S502

● **CO-OCCURRING PSYCHIATRIC DISORDERS IN CHILDREN WITH AUTISM SPECTRUM DISORDER**

Kerns, C. M., Hardan, A.

ELSEVIER SCIENCE INC.2017: S301

● **ASSESSING TRADITIONAL AND AMBIGUOUS ANXIETY SYMPTOMS IN YOUTH WITH AUTISM SPECTRUM DISORDER**

Kerns, C. M.

ELSEVIER SCIENCE INC.2017: S301-S302

● **Intranasal oxytocin treatment for social deficits and biomarkers of response in children with autism.** *Proceedings of the National Academy of Sciences of the United States of America*

Parker, K. J., Oztan, O., Libove, R. A., Sumiyoshi, R. D., Jackson, L. P., Karhson, D. S., Summers, J. E., Hinman, K. E., Motonaga, K. S., Phillips, J. M., Carson, D. S., Garner, J. P., Hardan, et al

2017; 114 (30): 8119-8124

● **A Meta-Analysis of Gaze Differences to Social and Nonsocial Information Between Individuals With and Without Autism** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*

Frazier, T. W., Strauss, M., Klingemier, E. W., Zetzer, E. E., Hardan, A. Y., Eng, C., Youngstrom, E. A.

2017; 56 (7): 546–55

● **The measurement properties of the spence children's anxiety scale-parent version in a large international pooled sample of young people with autism spectrum disorder.** *Autism research*

Magiati, I., Lerh, J. W., Hollocks, M. J., Uljarevic, M., Rodgers, J., McConachie, H., Ozsvadjian, A., South, M., Van Hecke, A., Hardan, A., Libove, R., Leekam, S., Simonoff, et al

2017

- **Safety and Efficacy of Memantine in Children with Autism: Randomized, Placebo-Controlled Study and Open-Label Extension** *JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY*
Aman, M. G., Findling, R. L., Hardan, A. Y., Hendren, R. L., Melmed, R. D., Kehinde-Nelson, O., Hsu, H., Trugman, J. M., Palmer, R. H., Graham, S. M., Gage, A. T., Perhach, J. L., Katz, et al
2017; 27 (5): 403–12
- **Simultaneous [18F]Flumazenil-Positron Emission Tomography and GABA-Magnetic Resonance Spectroscopy in Adults with Autism and Healthy Volunteers**
Fung, L., Flores, R., Gu, M., Hjoernevik, T., Hardan, A., Spielman, D., Chin, F.
ELSEVIER SCIENCE INC.2017: S127–S128
- **Pharmaceuticals and Stem Cells in Autism Spectrum Disorders: Wishful Thinking?** *WORLD NEUROSURGERY*
Sivanesan, S., Tan, A., Jeyaraj, R., Lam, J., Gole, M., Hardan, A., Ashkan, K., Rajadas, J.
2017; 98: 659-672
- **Incidental brain MRI findings in an autism twin study.** *Autism research*
Monterrey, J. C., Philips, J., Cleveland, S., Tanaka, S., Barnes, P., Hallmayer, J. F., Reiss, A. L., Lazzeroni, L. C., Hardan, A. Y.
2017; 10 (1): 113-120
- **Intranasal oxytocin treatment for social deficits and biomarkers of response in children with autism.** *Proceedings of the National Academy of Sciences*
Parker, K. J., Oztan, O., Libove, R. A., Sumiyoshi, R. D., Jackson, L. P., Karhson, D. S., Summers, J. E., Hinman, K. E., Motonaga, K. S., Phillips, J. M., Carson, D. S., Garner, J. P., Hardan, et al
2017; 114 (30): 8119-8124
- **A Longitudinal Pilot Study of Behavioral Abnormalities in Children with Autism.** *Journal of psychiatry and psychiatric disorders*
Libove, R. A., Frazier, T. W., O'Hara, R. n., Phillips, J. M., Jo, B. n., Hardan, A. Y.
2017; 1 (4): 215–23
- **Biomarker discovery for disease status and symptom severity in children with autism.** *Psychoneuroendocrinology*
Oztan, O. n., Jackson, L. P., Libove, R. A., Sumiyoshi, R. D., Phillips, J. M., Garner, J. P., Hardan, A. Y., Parker, K. J.
2017; 89: 39–45
- **A proton MR spectroscopy study of the thalamus in twins with autism spectrum disorder.** *Progress in neuro-psychopharmacology & biological psychiatry*
Hegarty, J. P., Gu, M. n., Spielman, D. M., Cleveland, S. C., Hallmayer, J. F., Lazzeroni, L. C., Raman, M. M., Frazier, T. W., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2017
- **Intranasal Vasopressin Treatment Improves Social Abilities in Children With Autism**
Parker, K., Oztan, O., Libove, R., Sumiyoshi, R., Summers, J., Hinman, K., Fung, L., Motonaga, K., Carson, D., Phillips, J., Garner, J., Hardan, A.
NATURE PUBLISHING GROUP.2016: S341
- **Pharmaceuticals and Stem Cells in Autism Spectrum Disorders: Wishful Thinking?** *World neurosurgery*
Sivanesan, S., Tan, A., Jeyaraj, R., Lam, J., Gole, M., Hardan, A., Ashkan, K., Rajadas, J.
2016
- **ANXIETY IN INDIVIDUALS WITH AUTISM SPECTRUM DISORDER: CLINICAL ASSESSMENT, BIOLOGY, AND TREATMENTS**
Hardan, A., Fung, L. K., King, B. H.
ELSEVIER SCIENCE INC.2016: S324
- **THALAMIC METABOLITE LEVELS AND SENSORY PROCESSING IN TWINS WITH AUTISM SPECTRUM DISORDER**
Hegarty, J. P., Gu, M., Spielman, D., Cleveland, S., Hallmayer, J. J., Lazzeroni, L. C., Raman, M., Monterrey, J., Frazier, T., Phillips, J. M., Reiss, A. L., Hardan, A.
ELSEVIER SCIENCE INC.2016: S102
- **THE LENA SYSTEM IN CLINICAL TRIALS: EVIDENCE FROM PIVOTAL RESPONSE TREATMENT STUDIES**
Hardan, A.
ELSEVIER SCIENCE INC.2016: S302
- **PSYCHOPHARMACOLOGICAL TREATMENT OF ANXIETY SYMPTOMS IN AUTISM SPECTRUM DISORDER**

Hardan, A.
ELSEVIER SCIENCE INC.2016: S325-S326

- **White matter structure in the uncinate fasciculus: Implications for socio-affective deficits in Autism Spectrum Disorder.** *Psychiatry research*
Samson, A. C., Dougherty, R. F., Lee, I. A., Phillips, J. M., Gross, J. J., Hardan, A. Y.
2016; 255: 66-74
- **Endocannabinoid signaling in social functioning: an RDoC perspective.** *Translational psychiatry*
Karhson, D. S., Hardan, A. Y., Parker, K. J.
2016; 6 (9)
- **Equivalence of symptom dimensions in females and males with autism.** *Autism*
Frazier, T. W., Hardan, A. Y.
2016
- **The Fourth International Symposium on Genetic Disorders of the Ras/MAPK pathway** *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*
Stevenson, D. A., Schill, L., Schoyer, L., Andresen, B. S., Bakker, A., Bayrak-Toydemir, P., Burkitt-Wright, E., Chatfield, K., Eleftheriou, F., Elgersma, Y., Fisher, M. J., Franz, D., Gelb, et al
2016; 170 (8): 1959-1966
- **A proton spectroscopy study of white matter in children with autism.** *Progress in neuro-psychopharmacology & biological psychiatry*
Hardan, A. Y., Fung, L. K., Frazier, T., Berquist, S. W., Minshew, N. J., Keshavan, M. S., Stanley, J. A.
2016; 66: 48-53
- **Development of an Objective Autism Risk Index Using Remote Eye Tracking** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
Frazier, T. W., Klingemier, E. W., Beukemann, M., Speer, L., Markowitz, L., Parikh, S., Wexberg, S., Giuliano, K., Schulte, E., Delahunty, C., Ahuja, V., Eng, C., Manos, et al
2016; 55 (4): 301-309
- **Development of an Objective Autism Risk Index Using Remote Eye Tracking.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Frazier, T. W., Klingemier, E. W., Beukemann, M., Speer, L., Markowitz, L., Parikh, S., Wexberg, S., Giuliano, K., Schulte, E., Delahunty, C., Ahuja, V., Eng, C., Manos, et al
2016; 55 (4): 301-309
- **Irritability and Problem Behavior in Autism Spectrum Disorder: A Practice Pathway for Pediatric Primary Care** *PEDIATRICS*
McGuire, K., Fung, L. K., Hagopian, L., Vasa, R. A., Mahajan, R., Bernal, P., Silberman, A. E., Wolfe, A., Coury, D. L., Hardan, A. Y., Veenstra-VanderWeele, J., Whitaker, A. H.
2016; 137: S136-S148
- **Pharmacologic Treatment of Severe Irritability and Problem Behaviors in Autism: A Systematic Review and Meta-analysis.** *Pediatrics*
Fung, L. K., Mahajan, R., Nozzolillo, A., Bernal, P., Krasner, A., Jo, B., Coury, D., Whitaker, A., Veenstra-VanderWeele, J., Hardan, A. Y.
2016; 137: S124-35
- **Individuals with Autism Spectrum Disorders Have Equal Success Rate But Require Longer Periods of Systematic Desensitization than Control Patients to Complete Ambulatory Polysomnography** *JOURNAL OF CLINICAL SLEEP MEDICINE*
Primeau, M., Gershon, A., Talbot, L., Cotto, I., Lotspeich, L., Hardan, A., Hallmayer, J., O'Hara, R.
2016; 12 (3): 357-362
- **Pregnenolone in the Treatment of Irritability in Autism Spectrum Disorder: A Post-Hoc Metabolomic Analysis**
Fung, L., Sun, W., Libove, R., Tanaka, S., Kwa, L., Philips, J., Haddad, F., Rajadas, J., Hardan, A.
NATURE PUBLISHING GROUP.2015: S188
- **Maladaptive Behavior in Autism Spectrum Disorder: The Role of Emotion Experience and Emotion Regulation.** *Journal of autism and developmental disorders*
Samson, A. C., Hardan, A. Y., Lee, I. A., Phillips, J. M., Gross, J. J.
2015; 45 (11): 3424-3432
- **Quantitative autism symptom patterns recapitulate differential mechanisms of genetic transmission in single and multiple incidence families** *MOLECULAR AUTISM*

- Frazier, T. W., Youngstrom, E. A., Hardan, A. Y., Georgiades, S., Constantino, J. N., Eng, C.
2015; 6
- **Cerebrospinal fluid and plasma oxytocin concentrations are positively correlated and negatively predict anxiety in children** *MOLECULAR PSYCHIATRY*
Carson, D. S., Berquist, S. W., Trujillo, T. H., Garner, J. P., Hannah, S. L., Hyde, S. A., Sumiyoshi, R. D., Jackson, L. P., MOSS, J. K., Strehlow, M. C., Cheshier, S. H., Partap, S., Hardan, et al
2015; 20 (9): 1085-1090
 - **Pivotal Response Treatment Parent Training for Autism: Findings from a 3-Month Follow-Up Evaluation.** *Journal of autism and developmental disorders*
Gengoux, G. W., Berquist, K. L., Salzman, E., Schapp, S., Phillips, J. M., Frazier, T. W., Minjarez, M. B., Hardan, A. Y.
2015; 45 (9): 2889-2898
 - **Pivotal Response Treatment Parent Training for Autism: Findings from a 3-Month Follow-Up Evaluation** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Gengoux, G. W., Berquist, K. L., Salzman, E., Schapp, S., Phillips, J. M., Frazier, T. W., Minjarez, M. B., Hardan, A. Y.
2015; 45 (9): 2889-2898
 - **Emotion regulation in autism spectrum disorder: evidence from parent interviews and children's daily diaries.** *Journal of child psychology and psychiatry, and allied disciplines*
Samson, A. C., Wells, W. M., Phillips, J. M., Hardan, A. Y., Gross, J. J.
2015; 56 (8): 903-913
 - **A randomized controlled trial of Pivotal Response Treatment Group for parents of children with autism.** *Journal of child psychology and psychiatry, and allied disciplines*
Hardan, A. Y., Gengoux, G. W., Berquist, K. L., Libove, R. A., Ardel, C. M., Phillips, J., Frazier, T. W., Minjarez, M. B.
2015; 56 (8): 884-892
 - **Arginine Vasopressin Is a Blood-Based Biomarker of Social Functioning in Children with Autism** *PLOS ONE*
Carson, D. S., Garner, J. P., Hyde, S. A., Libove, R. A., Berquist, S. W., Hornbeak, K. B., Jackson, L. P., Sumiyoshi, R. D., Howerton, C. L., Hannah, S. L., Partap, S., Phillips, J. M., Hardan, et al
2015; 10 (7)
 - **Developing Medications Targeting Glutamatergic Dysfunction in Autism: Progress to Date.** *CNS drugs*
Fung, L. K., Hardan, A. Y.
2015
 - **Developing Medications Targeting Glutamatergic Dysfunction in Autism: Progress to Date** *CNS DRUGS*
Fung, L. K., Hardan, A. Y.
2015; 29 (6): 453-463
 - **Emotion regulation in children and adolescents with autism spectrum disorder.** *Autism research*
Samson, A. C., Hardan, A. Y., Podell, R. W., Phillips, J. M., Gross, J. J.
2015; 8 (1): 9-18
 - **Emotion Regulation in Children and Adolescents With Autism Spectrum Disorder** *AUTISM RESEARCH*
Samson, A. C., Hardan, A. Y., Podell, R. W., Phillips, J. M., Gross, J. J.
2015; 8 (1): 9-18
 - **Arginine Vasopressin Is a Blood-Based Biomarker of Social Functioning in Children with Autism.** *PloS one*
Carson, D. S., Garner, J. P., Hyde, S. A., Libove, R. A., Berquist, S. W., Hornbeak, K. B., Jackson, L. P., Sumiyoshi, R. D., Howerton, C. L., Hannah, S. L., Partap, S., Phillips, J. M., Hardan, et al
2015; 10 (7)
 - **Individuals with Autism Spectrum Disorders Have Equal Success Rate But Require Longer Periods of Systematic Desensitization than Control Patients to Complete Ambulatory Polysomnography.** *Journal of clinical sleep medicine*
Primeau, M., Gershon, A., Talbot, L., Cotto, I., Lotspeich, L., Hardan, A., Hallmayer, J., O'Hara, R.
2015; 12 (3): 357-362
 - **Plasma vasopressin concentrations positively predict cerebrospinal fluid vasopressin concentrations in human neonates.** *Peptides*

- Carson, D. S., Howerton, C. L., Garner, J. P., Hyde, S. A., Clark, C. L., Hardan, A. Y., Penn, A. A., Parker, K. J.
2014; 61: 12-16
- **Plasma vasopressin concentrations positively predict cerebrospinal fluid vasopressin concentrations in human neonates** *PEPTIDES*
Carson, D. S., Howerton, C. L., Garner, J. P., Hyde, S. A., Clark, C. L., Hardan, A. Y., Penn, A. A., Parker, K. J.
2014; 61: 12-16
 - **Brief Report: An Open-Label Study of the Neurosteroid Pregnenolone in Adults with Autism Spectrum Disorder** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Fung, L. K., Libove, R. A., Phillips, J., Haddad, F., Hardan, A. Y.
2014; 44 (11): 2971-2977
 - **Autism in DSM-5 under the microscope: Implications to patients, families, clinicians, and researchers.** *Asian journal of psychiatry*
Fung, L. K., Hardan, A. Y.
2014; 11: 93-97
 - **Basal ganglia and restricted and repetitive behaviours in Autism Spectrum Disorders: current status and future perspectives** *EPIDEMIOLOGY AND PSYCHIATRIC SCIENCES*
Calderoni, S., Bellani, M., Hardan, A. Y., Muratori, F., Brambilla, P.
2014; 23 (3): 235-238
 - **Plasma oxytocin concentrations and OXTR polymorphisms predict social impairments in children with and without autism spectrum disorder** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Parker, K. J., Garner, J. P., Libove, R. A., Hyde, S. A., Hornbeak, K. B., Carson, D. S., Liao, C., Phillips, J. M., Hallmayer, J. F., Hardan, A. Y.
2014; 111 (33): 12258-12263
 - **A twin study of heritable and shared environmental contributions to autism.** *Journal of autism and developmental disorders*
Frazier, T. W., Thompson, L., Youngstrom, E. A., Law, P., Hardan, A. Y., Eng, C., Morris, N.
2014; 44 (8): 2013-2025
 - **Emotion dysregulation and the core features of autism spectrum disorder.** *Journal of autism and developmental disorders*
Samson, A. C., Phillips, J. M., Parker, K. J., Shah, S., Gross, J. J., Hardan, A. Y.
2014; 44 (7): 1766-1772
 - **Demographic and clinical correlates of autism symptom domains and autism spectrum diagnosis.** *Autism*
Frazier, T. W., Youngstrom, E. A., Embacher, R., Hardan, A. Y., Constantino, J. N., Law, P., Findling, R. L., Eng, C.
2014; 18 (5): 571-582
 - **Demographic and clinical correlates of autism symptom domains and autism spectrum diagnosis** *AUTISM*
Frazier, T. W., Youngstrom, E. A., Embacher, R., Hardan, A. Y., Constantino, J. N., Law, P., Findling, R. L., Eng, C.
2014; 18 (5): 571-582
 - **Dr. Frazier et al. reply.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Frazier, T. W., Georgiades, S., Bishop, S. L., Hardan, A. Y.
2014; 53 (6): 700-701
 - **Plasma Vasopressin Levels Positively Predict Social Cognition in Children with Autism Spectrum Disorder but not in Siblings of Probands or Healthy Controls**
Carson, D. S., Howerton, C. L., Garner, J. P., Libove, R. A., Hyde, S. A., Phillips, J. M., Hardan, A. Y., Parker, K. J.
ELSEVIER SCIENCE INC.2014: 255S-256S
 - **Behavioral and cognitive characteristics of females and males with autism in the simons simplex collection.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Frazier, T. W., Georgiades, S., Bishop, S. L., Hardan, A. Y.
2014; 53 (3): 329-340 e3
 - **A scoring strategy combining statistics and functional genomics supports a possible role for common polygenic variation in autism** *FRONTIERS IN GENETICS*
Carayol, J., Schellenberg, G. D., Dombroski, B., Amiet, C., Genin, B., Fontaine, K., Rousseau, F., Vazart, C., Cohen, D., Frazier, T. W., Hardan, A. Y., Dawson, G., Frio, et al
2014; 5

- **A preliminary longitudinal volumetric MRI study of amygdala and hippocampal volumes in autism** *PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY*
Barnea-Goraly, N., Frazier, T. W., Piacenza, L., Minshew, N. J., Keshavan, M. S., Reiss, A. L., Hardan, A. Y.
2014; 48: 124-128
- **A scoring strategy combining statistics and functional genomics supports a possible role for common polygenic variation in autism.** *Frontiers in genetics*
Carayol, J., Schellenberg, G. D., Dombroski, B., Amiet, C., Génin, B., Fontaine, K., Rousseau, F., Vazart, C., Cohen, D., Frazier, T. W., Hardan, A. Y., Dawson, G., Rio Frio, et al
2014; 5: 33-?
- **Cortisol, cytokines, and hippocampal volume interactions in the elderly.** *Frontiers in aging neuroscience*
Sudheimer, K. D., O'Hara, R., Spiegel, D., Powers, B., Kraemer, H. C., Neri, E., Weiner, M., Hardan, A., Hallmayer, J., Dhabhar, F. S.
2014; 6: 153-?
- **Cortisol, cytokines, and hippocampal volume interactions in the elderly.** *Frontiers in aging neuroscience*
Sudheimer, K. D., O'Hara, R., Spiegel, D., Powers, B., Kraemer, H. C., Neri, E., Weiner, M., Hardan, A., Hallmayer, J., Dhabhar, F. S.
2014; 6: 153-?
- **A two-year longitudinal pilot MRI study of the brainstem in autism.** *Behavioural brain research*
Jou, R. J., Frazier, T. W., Keshavan, M. S., Minshew, N. J., Hardan, A. Y.
2013; 251: 163-167
- **Structural MRI Investigations in Twins with Autism** *68th Annual Scientific Meeting of the Society-of-Biological-Psychiatry*
Hardan, A. Y., Hallmayer, J., Lazzeroni, L., Berquist, S., Raman, M. R., Patnaik, S., Phillips, J., Reiss, A. L., Cleveland, S.
ELSEVIER SCIENCE INC.2013: 88S–88S
- **Impact of Pivotal Response Training Group Therapy on Stress and Empowerment in Parents of Children With Autism** *JOURNAL OF POSITIVE BEHAVIOR INTERVENTIONS*
Minjarez, M. B., Mercier, E. M., Williams, S. E., Hardan, A. Y.
2013; 15 (2): 71-78
- **Parental Interest in a Genetic Risk Assessment Test for Autism Spectrum Disorders** *CLINICAL PEDIATRICS*
Narcisa, V., Discenza, M., Vaccari, E., Rosen-Sheidley, B., Hardan, A. Y., Couchon, E.
2013; 52 (2): 139-146
- **Priapism Associated with Risperidone in a 21-Year-Old Male with Autism.** *Journal of child and adolescent psychopharmacology*
Pradhan, T. n., Hardan, A. n.
2013
- **Underutilization of Genetics Services for Autism: The Importance of Parental Awareness and Provider Recommendation** *JOURNAL OF GENETIC COUNSELING*
Vande Wydeven, K., Kwan, A., Hardan, A. Y., Bernstein, J. A.
2012; 21 (6): 803-813
- **A Two-Year Longitudinal MRI Study of the Corpus Callosum in Autism** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Frazier, T. W., Keshavan, M. S., Minshew, N. J., Hardan, A. Y.
2012; 42 (11): 2312-2322
- **Clinical Practice Pathways for Evaluation and Medication Choice for Attention-Deficit/Hyperactivity Disorder Symptoms in Autism Spectrum Disorders** *PEDIATRICS*
Mahajan, R., Bernal, M. P., Panzer, R., Whitaker, A., Roberts, W., Handen, B., Hardan, A., Anagnostou, E., Veenstra-VanderWeele, J.
2012; 130: S125-S138
- **Clinical practice pathways for evaluation and medication choice for attention-deficit/hyperactivity disorder symptoms in autism spectrum disorders.** *Pediatrics*
Mahajan, R., Bernal, M. P., Panzer, R., Whitaker, A., Roberts, W., Handen, B., Hardan, A., Anagnostou, E., Veenstra-VanderWeele, J.
2012; 130: S125-38
- **A Retrospective Review of the Effectiveness of Aripiprazole in the Treatment of Sensory Abnormalities in Autism** *JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY*

- Fung, L. K., Chahal, L., Libove, R. A., Bivas, R., Hardan, A. Y.
2012; 22 (3): 245-248
- **A Randomized Controlled Pilot Trial of Oral N-Acetylcysteine in Children with Autism** *BIOLOGICAL PSYCHIATRY*
Hardan, A. Y., Fung, L. K., Libove, R. A., Obukhanych, T. V., Nair, S., Herzenberg, L. A., Frazier, T. W., Tirouvanziam, R.
2012; 71 (11): 956-961
 - **Distinct Plasma Profile of Polar Neutral Amino Acids, Leucine, and Glutamate in Children with Autism Spectrum Disorders** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Tirouvanziam, R., Obukhanych, T. V., Laval, J., Aronov, P. A., Libove, R., Banerjee, A. G., Parker, K. J., O'Hara, R., Herzenberg, L. A., Herzenberg, L. A., Hardan, A. Y.
2012; 42 (5): 827-836
 - **Validation of Proposed DSM-5 Criteria for Autism Spectrum Disorder** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
Frazier, T. W., Youngstrom, E. A., Speer, L., Embacher, R., Law, P., Constantino, J., Findling, R. L., Hardan, A. Y., Eng, C.
2012; 51 (1): 28-40
 - **Multivariate Searchlight Classification of Structural Magnetic Resonance Imaging in Children and Adolescents with Autism** *BIOLOGICAL PSYCHIATRY*
Uddin, L. Q., Menon, V., Young, C. B., Ryali, S., Chen, T., Khouzam, A., Minshew, N. J., Hardan, A. Y.
2011; 70 (9): 833-841
 - **Advances in clinical neuroimaging: implications for autism spectrum disorders.** *Expert opinion on medical diagnostics*
Barnea-Goraly, N., Hardan, A.
2011; 5 (6): 475-482
 - **Safety and Efficacy of Donepezil in Children and Adolescents with Autism: Neuropsychological Measures** *JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY*
Handen, B. L., Johnson, C. R., McAuliffe-Bellin, S., Murray, P. J., Hardan, A. Y.
2011; 21 (1): 43-50
 - **Reduced central white matter volume in autism: Implications for long-range connectivity** *PSYCHIATRY AND CLINICAL NEUROSCIENCES*
Jou, R. J., Mateljevic, N., Minshew, N. J., Keshavan, M. S., Hardan, A. Y.
2011; 65 (1): 98-101
 - **Pivotal Response Group Treatment Program for Parents of Children with Autism** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Minjarez, M. B., Williams, S. E., Mercier, E. M., Hardan, A. Y.
2011; 41 (1): 92-101
 - **Cortical Gyrfication in Autistic and Asperger Disorders: A Preliminary Magnetic Resonance Imaging Study** *JOURNAL OF CHILD NEUROLOGY*
Jou, R. J., Minshew, N. J., Keshavan, M. S., Hardan, A. Y.
2010; 25 (12): 1462-1467
 - **Enlarged right superior temporal gyrus in children and adolescents with autism** *BRAIN RESEARCH*
Jou, R. J., Minshew, N. J., Keshavan, M. S., Vitale, M. P., Hardan, A. Y.
2010; 1360: 205-212
 - **Risperidone: Switching from Brand Name to Generic** *JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY*
Hardan, A. Y., Fung, L. K., Amin, H.
2010; 20 (5): 457-458
 - **Dorsolateral Prefrontal Cortex Magnetic Resonance Imaging Measurements and Cognitive Performance in Autism** *JOURNAL OF CHILD NEUROLOGY*
Griebling, J., Minshew, N. J., Bodner, K., Libove, R., Bansal, R., Konasale, P., Keshavan, M. S., Hardan, A.
2010; 25 (7): 856-863
 - **Evidence for Anatomical Alterations in the Corpus Callosum in Autism Spectrum Disorders** *European Psychiatric Review*
Frazier T, Barnea-Goraly N, Hardan A

2010; 3: 29-33

- **A Meta-Analysis of the Corpus Callosum in Autism** *BIOLOGICAL PSYCHIATRY*
Frazier, T. W., Hardan, A. Y.
2009; 66 (10): 935-941
- **Corpus callosum volume in children with autism** *PSYCHIATRY RESEARCH-NEUROIMAGING*
Hardan, A. Y., Pabalan, M., Gupta, N., Bansal, R., Melhem, N. M., Fedorov, S., Keshavan, M. S., Minshew, N. J.
2009; 174 (1): 57-61
- **A Preliminary Longitudinal Magnetic Resonance Imaging Study of Brain Volume and Cortical Thickness in Autism** *BIOLOGICAL PSYCHIATRY*
Hardan, A. Y., Libove, R. A., Keshavan, M. S., Melhem, N. M., Minshew, N. J.
2009; 66 (4): 320-326
- **Brainstem volumetric alterations in children with autism** *PSYCHOLOGICAL MEDICINE*
Jou, R. J., Minshew, N. J., Melhem, N. M., Keshavan, M. S., Hardan, A. Y.
2009; 39 (8): 1347-1354
- **Corpus Callosum Volume and Neurocognition in Autism** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Keary, C. J., Minshew, N. J., Bansal, R., Goradia, D., Fedorov, S., Keshavan, M. S., Hardan, A. Y.
2009; 39 (6): 834-841
- **Reduced Central White Matter Volume in Autism: Implications for Long-Range Connectivity**
Jou, R. J., Hardan, A. Y.
ELSEVIER SCIENCE INC.2009: 87S-88S
- **Guanfacine in children with autism and/or intellectual disabilities** *JOURNAL OF DEVELOPMENTAL AND BEHAVIORAL PEDIATRICS*
Handen, B. L., Sahl, R., Hardan, A. Y.
2008; 29 (4): 303-308
- **An MRI and proton spectroscopy study of the thalamus in children with autism** *PSYCHIATRY RESEARCH-NEUROIMAGING*
Hardan, A. Y., Minshew, N. J., Melhem, N. M., Srihari, S., Jo, B., Bansal, R., Keshavan, M. S., Stanley, J. A.
2008; 163 (2): 97-105
- **Longitudinal study of the corpus callosum in autism**
Hardan, A. Y., Keshavan, M. S., Bansal, R., Fedorov, S., Minshew, N. J.
ELSEVIER SCIENCE INC.2008: 30S
- **Brief report: Abnormal association between the thalamus and brain size in Asperger's disorder** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Hardan, A. Y., GirgiS, R. R., Adams, J., Gilbert, A. R., Melhem, N. M., Keshavan, M. S., Minshew, N. J.
2008; 38 (2): 390-394
- **Morphology of the orbitofrontal cortex in first-episode schizophrenia: Relationship with negative symptomatology** *PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY*
Lacerda, A. L., Hardan, A. Y., Yorbik, O., Vemulapalli, M., Prasad, K. M., Keshavan, M. S.
2007; 31 (2): 510-516
- **Volumetric alterations of the orbitofrontal cortex in autism** *PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY*
GirgiS, R. R., Minshew, N. J., Melhern, N. M., Nutche, J. J., Keshavan, M. S., Hardan, A. Y.
2007; 31 (1): 41-45
- **Abnormal brain size effect on the thalamus in autism** *PSYCHIATRY RESEARCH-NEUROIMAGING*
Hardan, A. Y., GirgiS, R. R., Adams, J., Gilbert, A. R., Keshavan, M. S., Minshew, N. J.
2006; 147 (2-3): 145-151
- **Magnetic resonance imaging study of the orbitofrontal cortex in autism** *JOURNAL OF CHILD NEUROLOGY*
Hardan, A. Y., GirgiS, R. R., Lacerda, A. L., Yorbik, O., Kilpatiick, M., Keshavan, M. S., Minshew, N. J.
2006; 21 (10): 866-871

- **Open-label, prospective trial of olanzapine in adolescents with subaverage intelligence and disruptive behavior disorders** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
Handen, B. L., Hardan, A. Y.
2006; 45 (8): 928-935
- **An MRI study of increased cortical thickness in autism** *AMERICAN JOURNAL OF PSYCHIATRY*
Hardan, A. Y., Muddasani, S., Vemulapalli, M., Keshavan, M. S., Minshew, N. J.
2006; 163 (7): 1290-1292
- **An MRI study of minor physical anomalies in autism** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Hardan, A. Y., Keshavan, M. S., Sreedhar, S., Vemulapalli, M., Minshew, N. J.
2006; 36 (5): 607-611
- **Volumetric alterations of the corpus callosum in children with autism**
Hardan, A. Y., Bansal, R., Pabalan, M., Nutche, J., Fedorov, S., Minshew, N. J., Keshavan, M. S.
ELSEVIER SCIENCE INC.2006: 168S
- **Brainstem volumetric alterations in children with pervasive developmental disorders**
Jou, R., Keshavan, M., Minshew, N. J., Hardan, A. Y.
ELSEVIER SCIENCE INC.2006: 49S-50S
- **Preliminary findings from a double-blind placebo-controlled study of donepezil in pervasive developmental disorders**
Hardan, A. Y., Johnson, C., Handen, B. L.
ELSEVIER SCIENCE INC.2006: 50S
- **Risperidone in first-episode psychosis: A longitudinal, exploratory voxel-based morphometric study** *SCHIZOPHRENIA RESEARCH*
Girgis, R. R., Diwadkar, V. A., Nutche, J. J., Sweeney, J. A., Keshavan, M. S., Hardan, A. Y.
2006; 82 (1): 89-94
- **Reduced cortical folding in individuals at high risk for schizophrenia: a pilot study** *SCHIZOPHRENIA RESEARCH*
Jou, R. J., Hardan, A. Y., Keshavan, M. S.
2005; 75 (2-3): 309-313
- **Retrospective study of quetiapine in children and adolescents with pervasive developmental disorders** *JOURNAL OF AUTISM AND DEVELOPMENTAL DISORDERS*
Hardan, A. Y., Jou, R. J., Handen, B. L.
2005; 35 (3): 387-391
- **Retrospective assessment of atomoxetine in children and adolescents with pervasive developmental disorders** *JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY*
Jou, R. J., Handen, B. L., Hardan, A. Y.
2005; 15 (2): 325-330
- **Quetiapine in children and adolescents with subaverage IQ** *Journal of Pediatric Neurology*
Jou R, Handen BL, Hardan AY
2005; 3: 35-39
- **Psychostimulant treatment of adults with mental retardation and attention-deficit hyperactivity disorder.** *Australasian psychiatry*
Jou, R., Handen, B., Hardan, A.
2004; 12 (4): 376-379
- **A retrospective assessment of topiramate in children and adolescents with pervasive developmental disorders** *JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY*
Hardan, A. Y., Jou, R. J., Handen, B. L.
2004; 14 (3): 426-432
- **Increased frontal cortical folding in autism: a preliminary MRI study** *PSYCHIATRY RESEARCH-NEUROIMAGING*
Hardan, A. Y., Jou, R. J., Keshavan, M. S., Varma, R., Minshew, N. J.
2004; 131 (3): 263-268

- **Neuropsychiatric problems in tuberous sclerosis complex** *JOURNAL OF CHILD NEUROLOGY*
Asato, M. R., Hardan, A. Y.
2004; 19 (4): 241-249
- **Anatomic evaluation of the orbitofrontal cortex in major depressive disorder** *BIOLOGICAL PSYCHIATRY*
Lacerda, A. L., Keshavan, M. S., Hardan, A. Y., Yorbik, O., Brambilla, P., Sassi, R. B., NICOLETTI, M., Mallinger, A. G., Frank, E., Kupfer, D. J., Soares, J. C.
2004; 55 (4): 353-358
- **The functional neuroanatomy of autism** *FUNCTIONAL NEUROLOGY*
Brambilla, P., Hardan, A. Y., di Nemi, S. U., Caverzasi, E., Soares, J. C., Perez, J., Barale, F.
2004; 19 (1): 9-17
- **Brain anatomy and development in autism: review of structural MRI studies** *BRAIN RESEARCH BULLETIN*
Brambilla, P., Hardan, A., di Nemi, S. U., Perez, J., Soares, J. C., Barale, F.
2003; 61 (6): 557-569
- **Measurement of the orbitofrontal cortex: a validation study of a new method** *NEUROIMAGE*
Lacerda, A. L., Hardan, A. Y., Yorbik, O., Keshavan, M. S.
2003; 19 (3): 665-673
- **Motor performance and anatomic magnetic resonance imaging (MRI) of the basal ganglia in autism** *57th Annual Meeting of the Society-of-Biological-Psychiatry*
Hardan, A. Y., Kilpatrick, M., Keshavan, M. S., Minshew, N. J.
SAGE PUBLICATIONS INC.2003: 317-24
- **A retrospective open trial of adjunctive donepezil in children and adolescents with autistic disorder** *JOURNAL OF CHILD AND ADOLESCENT PSYCHOPHARMACOLOGY*
Hardan, A. Y., Handen, B. L.
2002; 12 (3): 237-241
- **Posterior fossa magnetic resonance imaging in autism** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
Hardan, A. Y., Minshew, N. J., Harenski, K., Keshavan, M. S.
2001; 40 (6): 666-672
- **Brain volume in autism** *JOURNAL OF CHILD NEUROLOGY*
Hardan, A. Y., Minshew, N. J., Mallikarjuhn, M., Keshavan, M. S.
2001; 16 (6): 421-424
- **Corpus callosum size in autism** *NEUROLOGY*
Hardan, A. Y., Minshew, N. J., Keshavan, M. S.
2000; 55 (7): 1033-1036
- **Inositol as an add-on treatment for bipolar depression** *BIPOLAR DISORDERS*
Chengappa, K. N., Levine, J., Gershon, S., Mallinger, A. G., Hardan, A., Vagnucci, A., Pollock, B., Luther, J., Battenfield, J., Verfaillie, S., Kupfer, D. J.
2000; 2 (1): 47-55
- **Prolactin secretion in depressed children** *BIOLOGICAL PSYCHIATRY*
Hardan, A., Birmaher, B., Williamson, D. E., Dahl, R. E., Ambrosini, P., Rabinovich, H., Ryan, N. D.
1999; 46 (4): 506-511
- **Suicidal behavior in children and adolescents with developmental disorders** *RESEARCH IN DEVELOPMENTAL DISABILITIES*
Hardan, A., SAHL, R.
1999; 20 (4): 287-296
- **Psychopathology in children and adolescents with developmental disorders** *RESEARCH IN DEVELOPMENTAL DISABILITIES*
Hardan, A., SAHL, R.
1997; 18 (5): 369-382

- **Risperidone treatment of children and adolescents with developmental disorders** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
Hardan, A., Johnson, K., Johnson, C., HRECZNYJ, B.
1996; 35 (11): 1551-1556