

# Michael V Lombardo

## List of Publications by Year in descending order

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Version: 2024-02-01

130  
papers

14,794  
citations

24978

57  
h-index

22102

113  
g-index

161  
all docs

161  
docs citations

161  
times ranked

16064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autism. <i>Lancet, The</i> , 2014, 383, 896-910.	6.3	1,719
2	A meta-analysis of sex differences in human brain structure. <i>Neuroscience and Biobehavioral Reviews</i> , 2014, 39, 34-50.	2.9	860
3	Sex/Gender Differences and Autism: Setting the Scene for Future Research. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2015, 54, 11-24.	0.3	717
4	Sex Differences in the Adult Human Brain: Evidence from 5216 UK Biobank Participants. <i>Cerebral Cortex</i> , 2018, 28, 2959-2975.	1.6	594
5	Why Are Autism Spectrum Conditions More Prevalent in Males?. <i>PLoS Biology</i> , 2011, 9, e1001081.	2.6	543
6	A Behavioral Comparison of Male and Female Adults with High Functioning Autism Spectrum Conditions. <i>PLoS ONE</i> , 2011, 6, e20835.	1.1	461
7	Quantifying and exploring camouflaging in men and women with autism. <i>Autism</i> , 2017, 21, 690-702.	2.4	390
8	Elevated fetal steroidogenic activity in autism. <i>Molecular Psychiatry</i> , 2015, 20, 369-376.	4.1	389
9	Self-Referential Cognition and Empathy in Autism. <i>PLoS ONE</i> , 2007, 2, e883.	1.1	333
10	Atypical neural self-representation in autism. <i>Brain</i> , 2010, 133, 611-624.	3.7	313
11	Shared Neural Circuits for Mentalizing about the Self and Others. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 1623-1635.	1.1	309
12	Big data approaches to decomposing heterogeneity across the autism spectrum. <i>Molecular Psychiatry</i> , 2019, 24, 1435-1450.	4.1	299
13	Fetal Testosterone Influences Sexually Dimorphic Gray Matter in the Human Brain. <i>Journal of Neuroscience</i> , 2012, 32, 674-680.	1.7	268
14	Biological sex affects the neurobiology of autism. <i>Brain</i> , 2013, 136, 2799-2815.	3.7	239
15	Brain Anatomy and Its Relationship to Behavior in Adults With Autism Spectrum Disorder. <i>Archives of General Psychiatry</i> , 2012, 69, 195.	13.8	238
16	Multi-echo fMRI: A review of applications in fMRI denoising and analysis of BOLD signals. <i>NeuroImage</i> , 2017, 154, 59-80.	2.1	238
17	Specialization of right temporo-parietal junction for mentalizing and its relation to social impairments in autism. <i>NeuroImage</i> , 2011, 56, 1832-1838.	2.1	225
18	The ASD Living Biology: from cell proliferation to clinical phenotype. <i>Molecular Psychiatry</i> , 2019, 24, 88-107.	4.1	210

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19	Subgrouping the Autism "Spectrum": Reflections on DSM-5. <i>PLoS Biology</i> , 2013, 11, e1001544.	2.6	209
20	Brain Surface Anatomy in Adults With Autism. <i>JAMA Psychiatry</i> , 2013, 70, 59.	6.0	199
21	The "Reading the Mind in the Eyes" Test: Complete Absence of Typical Sex Difference in ~400 Men and Women with Autism. <i>PLoS ONE</i> , 2015, 10, e0136521.	1.1	188
22	The EU-AIMS Longitudinal European Autism Project (LEAP): design and methodologies to identify and validate stratification biomarkers for autism spectrum disorders. <i>Molecular Autism</i> , 2017, 8, 24.	2.6	183
23	Oxytocin increases eye contact during a real-time, naturalistic social interaction in males with and without autism. <i>Translational Psychiatry</i> , 2015, 5, e507-e507.	2.4	180
24	Prenatal and postnatal hormone effects on the human brain and cognition. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 465, 557-571.	1.3	168
25	Different Functional Neural Substrates for Good and Poor Language Outcome in Autism. <i>Neuron</i> , 2015, 86, 567-577.	3.8	163
26	Maternal immune activation dysregulation of the fetal brain transcriptome and relevance to the pathophysiology of autism spectrum disorder. <i>Molecular Psychiatry</i> , 2018, 23, 1001-1013.	4.1	149
27	Cognition in Males and Females with Autism: Similarities and Differences. <i>PLoS ONE</i> , 2012, 7, e47198.	1.1	147
28	A Shift to Randomness of Brain Oscillations in People with Autism. <i>Biological Psychiatry</i> , 2010, 68, 1092-1099.	0.7	145
29	Large-scale analyses of the relationship between sex, age and intelligence quotient heterogeneity and cortical morphometry in autism spectrum disorder. <i>Molecular Psychiatry</i> , 2020, 25, 614-628.	4.1	141
30	Organizational effects of fetal testosterone on human corpus callosum size and asymmetry. <i>Psychoneuroendocrinology</i> , 2010, 35, 122-132.	1.3	131
31	The EU-AIMS Longitudinal European Autism Project (LEAP): clinical characterisation. <i>Molecular Autism</i> , 2017, 8, 27.	2.6	126
32	Imaging sex/gender and autism in the brain: Etiological implications. <i>Journal of Neuroscience Research</i> , 2017, 95, 380-397.	1.3	123
33	White matter microstructural abnormalities in the frontal lobe of adults with antisocial personality disorder. <i>Cortex</i> , 2012, 48, 216-229.	1.1	121
34	Frontal networks in adults with autism spectrum disorder. <i>Brain</i> , 2016, 139, 616-630.	3.7	118
35	Identification and validation of biomarkers for autism spectrum disorders. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 70-70.	21.5	117
36	The role of the self in mindblindness in autism. <i>Consciousness and Cognition</i> , 2011, 20, 130-140.	0.8	111

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37	Fetal Programming Effects of Testosterone on the Reward System and Behavioral Approach Tendencies in Humans. <i>Biological Psychiatry</i> , 2012, 72, 839-847.	0.7	104
38	Intrinsic gray-matter connectivity of the brain in adults with autism spectrum disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13222-13227.	3.3	99
39	The Quadruple Process model approach to examining the neural underpinnings of prejudice. <i>NeuroImage</i> , 2008, 43, 775-783.	2.1	98
40	Intrinsic excitation-inhibition imbalance affects medial prefrontal cortex differently in autistic men versus women. <i>ELife</i> , 2020, 9, .	2.8	94
41	Roles of Medial Prefrontal Cortex and Orbitofrontal Cortex in Self-evaluation. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2108-2119.	1.1	92
42	Autism Attenuates Sex Differences in Brain Structure: A Combined Voxel-Based Morphometry and Diffusion Tensor Imaging Study. <i>American Journal of Neuroradiology</i> , 2012, 33, 83-89.	1.2	92
43	The Neuropsychology of Male Adults With High-Functioning Autism or Asperger Syndrome. <i>Autism Research</i> , 2014, 7, 568-581.	2.1	89
44	Disorder-specific functional abnormalities during temporal discounting in youth with Attention Deficit Hyperactivity Disorder (ADHD), Autism and comorbid ADHD and Autism. <i>Psychiatry Research - Neuroimaging</i> , 2014, 223, 113-120.	0.9	87
45	Prediction of Autism by Translation and Immune/Inflammation Coexpressed Genes in Toddlers From Pediatric Community Practices. <i>JAMA Psychiatry</i> , 2015, 72, 386.	6.0	87
46	Investigating the factors underlying adaptive functioning in autism in the EU-AIMS Longitudinal European Autism Project. <i>Autism Research</i> , 2019, 12, 645-657.	2.1	87
47	Neural self-representation in autistic women and association with "compensatory camouflaging". <i>Autism</i> , 2019, 23, 1210-1223.	2.4	86
48	Atypically rightward cerebral asymmetry in male adults with autism stratifies individuals with and without language delay. <i>Human Brain Mapping</i> , 2016, 37, 230-253.	1.9	82
49	Altered Connectivity Between Cerebellum, Visual, and Sensory-Motor Networks in Autism Spectrum Disorder: Results from the EU-AIMS Longitudinal European Autism Project. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 260-270.	1.1	82
50	Cell cycle networks link gene expression dysregulation, mutation, and brain maldevelopment in autistic toddlers. <i>Molecular Systems Biology</i> , 2015, 11, 841.	3.2	78
51	Alexithymia in children with and without autism spectrum disorders. <i>Autism Research</i> , 2016, 9, 773-780.	2.1	77
52	Impaired Communication Between the Motor and Somatosensory Homunculus Is Associated With Poor Manual Dexterity in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017, 81, 211-219.	0.7	77
53	Relationship Between Cortical Gyrfication, White Matter Connectivity, and Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2016, 26, 3297-3309.	1.6	75
54	Improving effect size estimation and statistical power with multi-echo fMRI and its impact on understanding the neural systems supporting mentalizing. <i>NeuroImage</i> , 2016, 142, 55-66.	2.1	74

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55	Intranasal oxytocin enhances intrinsic corticostriatal functional connectivity in women. <i>Translational Psychiatry</i> , 2017, 7, e1099-e1099.	2.4	71
56	Large-scale associations between the leukocyte transcriptome and BOLD responses to speech differ in autism early language outcome subtypes. <i>Nature Neuroscience</i> , 2018, 21, 1680-1688.	7.1	69
57	Mindfulness and dynamic functional neural connectivity in children and adolescents. <i>Behavioural Brain Research</i> , 2018, 336, 211-218.	1.2	68
58	Unraveling the paradox of the autistic self. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2010, 1, 393-403.	1.4	67
59	General and specific effects of early-life psychosocial adversities on adolescent grey matter volume. <i>NeuroImage: Clinical</i> , 2014, 4, 308-318.	1.4	66
60	mTOR-related synaptic pathology causes autism spectrum disorder-associated functional hyperconnectivity. <i>Nature Communications</i> , 2021, 12, 6084.	5.8	66
61	Sex Differences and Autism: Brain Function during Verbal Fluency and Mental Rotation. <i>PLoS ONE</i> , 2012, 7, e38355.	1.1	61
62	White-matter relaxation time and myelin water fraction differences in young adults with autism. <i>Psychological Medicine</i> , 2015, 45, 795-805.	2.7	60
63	Unsupervised data-driven stratification of mentalizing heterogeneity in autism. <i>Scientific Reports</i> , 2016, 6, 35333.	1.6	60
64	Inter-regional cortical thickness correlations are associated with autistic symptoms: A machine-learning approach. <i>Journal of Psychiatric Research</i> , 2013, 47, 453-459.	1.5	57
65	Abnormal Functional Activation and Maturation of Fronto-Striato-Temporal and Cerebellar Regions During Sustained Attention in Autism Spectrum Disorder. <i>American Journal of Psychiatry</i> , 2014, 171, 1107-1116.	4.0	57
66	Association Between the Probability of Autism Spectrum Disorder and Normative Sex-Related Phenotypic Diversity in Brain Structure. <i>JAMA Psychiatry</i> , 2017, 74, 329.	6.0	57
67	A normative modelling approach reveals age-atypical cortical thickness in a subgroup of males with autism spectrum disorder. <i>Communications Biology</i> , 2020, 3, 486.	2.0	57
68	Moral Dilemmas Film Task: a study of spontaneous narratives by individuals with autism spectrum conditions. <i>Autism Research</i> , 2009, 2, 148-156.	2.1	55
69	Individual differences in brain structure underpin empathizing and systemizing cognitive styles in male adults. <i>NeuroImage</i> , 2012, 61, 1347-1354.	2.1	52
70	Obsessive-Compulsive Disorder in Adults with High-Functioning Autism Spectrum Disorder: What Does Self-Report with the OCI-R Tell Us?. <i>Autism Research</i> , 2015, 8, 477-485.	2.1	49
71	Neuroanatomy of Individual Differences in Language in Adult Males with Autism. <i>Cerebral Cortex</i> , 2015, 25, 3613-3628.	1.6	45
72	Default mode-visual network hypoconnectivity in an autism subtype with pronounced social visual engagement difficulties. <i>ELife</i> , 2019, 8, .	2.8	45

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73	In Vivo Evidence of Reduced Integrity of the Grayâ€“White Matter Boundary in Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2017, 27, 877-887.	1.6	41
74	Social brain activation during mentalizing in a large autism cohort: the Longitudinal European Autism Project. <i>Molecular Autism</i> , 2020, 11, 17.	2.6	40
75	Lost for emotion words: What motor and limbic brain activity reveals about autism and semantic theory. <i>NeuroImage</i> , 2015, 104, 413-422.	2.1	37
76	Unemotional on all counts: Evidence of reduced affective responses in individuals with high callous-unemotional traits across emotion systems and valences. <i>Social Neuroscience</i> , 2016, 11, 72-87.	0.7	37
77	Atypical Brain Asymmetry in Autismâ€”A Candidate for Clinically Meaningful Stratification. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 802-812.	1.1	36
78	On the brain structure heterogeneity of autism: Parsing out acquisition site effects with significanceâ€“weighted principal component analysis. <i>Human Brain Mapping</i> , 2017, 38, 1208-1223.	1.9	35
79	Autism and talent: the cognitive and neural basis of systemizing. <i>Dialogues in Clinical Neuroscience</i> , 2017, 19, 345-353.	1.8	34
80	Sex differences in frontal lobe connectivity in adults with autism spectrum conditions. <i>Translational Psychiatry</i> , 2017, 7, e1090-e1090.	2.4	33
81	Sex-specific impact of prenatal androgens on social brain default mode subsystems. <i>Molecular Psychiatry</i> , 2020, 25, 2175-2188.	4.1	33
82	Dissecting the phenotypic heterogeneity in sensory features in autism spectrum disorder: a factor mixture modelling approach. <i>Molecular Autism</i> , 2020, 11, 67.	2.6	32
83	A Machine Learning Approach to Reveal the NeuroPhenotypes of Autisms. <i>International Journal of Neural Systems</i> , 2019, 29, 1850058.	3.2	31
84	Commentary: â€“Camouflagingâ€” in autistic people â€“ reflection on Fombonne (2020). <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, .	3.1	30
85	Shared and Disorder-Specific Neurocomputational Mechanisms of Decision-Making in Autism Spectrum Disorder and Obsessive-Compulsive Disorder. <i>Cerebral Cortex</i> , 2017, 27, 5804-5816.	1.6	29
86	Interindividual Differences in Cortical Thickness and Their Genomic Underpinnings in Autism Spectrum Disorder. <i>American Journal of Psychiatry</i> , 2022, 179, 242-254.	4.0	28
87	Covarianceâ€“based subdivision of the human striatum using T1â€“weighted MRI. <i>European Journal of Neuroscience</i> , 2008, 27, 1534-1546.	1.2	25
88	Decreased centrality of cortical volume covariance networks in autism spectrum disorders. <i>Journal of Psychiatric Research</i> , 2015, 69, 142-149.	1.5	25
89	Hierarchical cortical transcriptome disorganization in autism. <i>Molecular Autism</i> , 2017, 8, 29.	2.6	24
90	Brain and behavioral correlates of action semantic deficits in autism. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 725.	1.0	22

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91	Temporal Profiles of Social Attention Are Different Across Development in Autistic and Neurotypical People. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 813-824.	1.1	21
92	Atypical genomic cortical patterning in autism with poor early language outcome. <i>Science Advances</i> , 2021, 7, eabh1663.	4.7	21
93	Brain Routes for Reading in Adults with and without Autism: EMEG Evidence. <i>Journal of Autism and Developmental Disorders</i> , 2014, 44, 137-153.	1.7	20
94	Resting state EEG power spectrum and functional connectivity in autism: a cross-sectional analysis. <i>Molecular Autism</i> , 2022, 13, 22.	2.6	20
95	Saccade dysmetria indicates attenuated visual exploration in autism spectrum disorder. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, 149-159.	3.1	19
96	Self-referential and social cognition in a case of autism and agenesis of the corpus callosum. <i>Molecular Autism</i> , 2012, 3, 14.	2.6	17
97	Relationship Between Surface-Based Brain Morphometric Measures and Intelligence in Autism Spectrum Disorders: Influence of History of Language Delay. <i>Autism Research</i> , 2015, 8, 556-566.	2.1	17
98	EU-AIMS Longitudinal European Autism Project (LEAP): the autism twin cohort. <i>Molecular Autism</i> , 2018, 9, 26.	2.6	17
99	Imbalanced social-communicative and restricted repetitive behavior subtypes of autism spectrum disorder exhibit different neural circuitry. <i>Communications Biology</i> , 2021, 4, 574.	2.0	17
100	Medical symptoms and conditions in autistic women. <i>Autism</i> , 2022, 26, 373-388.	2.4	17
101	Ribosomal protein genes in post-mortem cortical tissue and iPSC-derived neural progenitor cells are commonly upregulated in expression in autism. <i>Molecular Psychiatry</i> , 2021, 26, 1432-1435.	4.1	16
102	10Kin1day: A Bottom-Up Neuroimaging Initiative. <i>Frontiers in Neurology</i> , 2019, 10, 425.	1.1	15
103	Neurobiological Correlates of Change in Adaptive Behavior in Autism. <i>American Journal of Psychiatry</i> , 2022, 179, 336-349.	4.0	15
104	Response to Smith's Letter to the Editor "Emotional Empathy in Autism Spectrum Conditions: Weak, Intact, or Heightened?". <i>Journal of Autism and Developmental Disorders</i> , 2009, 39, 1749-1754.	1.7	14
105	Examining the Boundary Sharpness Coefficient as an Index of Cortical Microstructure in Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2021, 31, 3338-3352.	1.6	14
106	Neural responses to affective speech, including motherese, map onto clinical and social eye tracking profiles in toddlers with ASD. <i>Nature Human Behaviour</i> , 2022, 6, 443-454.	6.2	14
107	Enhancement of indirect functional connections with shortest path length in the adult autistic brain. <i>Human Brain Mapping</i> , 2019, 40, 5354-5369.	1.9	13
108	The Amygdala in Autism: Not Adapting to Faces?. <i>American Journal of Psychiatry</i> , 2009, 166, 395-397.	4.0	12

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109	Are power calculations useful? A multicentre neuroimaging study. <i>Human Brain Mapping</i> , 2014, 35, 3569-3577.	1.9	12
110	Effects of oxytocin administration on salivary sex hormone levels in autistic and neurotypical women. <i>Molecular Autism</i> , 2020, 11, 20.	2.6	11
111	Atypical measures of diffusion at the gray-white matter boundary in autism spectrum disorder in adulthood. <i>Human Brain Mapping</i> , 2021, 42, 467-484.	1.9	11
112	Is there an association between prenatal testosterone and autistic traits in adolescents?. <i>Psychoneuroendocrinology</i> , 2022, 136, 105623.	1.3	11
113	Preference for biological motion is reduced in ASD: implications for clinical trials and the search for biomarkers. <i>Molecular Autism</i> , 2021, 12, 74.	2.6	10
114	Polygenic risks for joint developmental trajectories of internalizing and externalizing problems: findings from the ALSPAC cohort. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2022, 63, 948-956.	3.1	10
115	What neuroimaging and perceptions of self-other similarity can tell us about the mechanism underlying mentalizing. <i>Behavioral and Brain Sciences</i> , 2009, 32, 152-153.	0.4	8
116	Prototyping as subtyping strategy for studying heterogeneity in autism. <i>Autism Research</i> , 2021, 14, 2224-2227.	2.1	8
117	Pre-treatment clinical and gene expression patterns predict developmental change in early intervention in autism. <i>Molecular Psychiatry</i> , 2021, 26, 7641-7651.	4.1	7
118	Rethinking Our Concepts and Assumptions About Autism. <i>Frontiers in Psychiatry</i> , 2022, 13, .	1.3	7
119	reval: A Python package to determine best clustering solutions with stability-based relative clustering validation. <i>Patterns</i> , 2021, 2, 100228.	3.1	6
120	Self-Other Distinction. , 2021, , 85-106.		5
121	How biopsychosocial depressive risk shapes behavioral and neural responses to social evaluation in adolescence. <i>Brain and Behavior</i> , 2021, 11, e02005.	1.0	5
122	Oxytocin enhances basolateral amygdala activation and functional connectivity while processing emotional faces: preliminary findings in autistic <i>vs</i> non-autistic women. <i>Social Cognitive and Affective Neuroscience</i> , 2022, 17, 929-938.	1.5	5
123	Rigor in science and science reporting: updated guidelines for submissions to <i>Molecular Autism</i> . <i>Molecular Autism</i> , 2019, 10, 6.	2.6	4
124	Examining volumetric gradients based on the frustum surface ratio in the brain in autism spectrum disorder. <i>Human Brain Mapping</i> , 2021, 42, 953-966.	1.9	4
125	Greater cortical thickness in individuals with ASD. <i>Molecular Psychiatry</i> , 2020, 25, 507-508.	4.1	3
126	1.11 ADULTHOOD GENDER VARIANCE IN MALES AND FEMALES WITH AUTISM SPECTRUM DISORDER. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2016, 55, S102-S103.	0.3	2



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127	Why is Autism More Common in Males?. , 2014, , 451-470.		1
128	Neural Endophenotypes of Social Behavior in Autism Spectrum Conditions. , 2011, , .		0
129	Early Intervention. , 2013, , 1031-1032.		0
130	Extreme Male Brain (EMB) Theory. , 2021, , 1909-1918.		0