

Michael V Lombardo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133
papers

10,222
citations

52
h-index

100
g-index

161
ext. papers

12,927
ext. citations

7.7
avg, IF

6.42
L-index

#	Paper	IF	Citations
133	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 ,	12.8	3
132	Neurobiological Correlates of Change in Adaptive Behavior in Autism.. <i>American Journal of Psychiatry</i> , 2022 , appiajp21070711	11.9	0
131	Resting state EEG power spectrum and functional connectivity in autism: a cross-sectional analysis.. <i>Molecular Autism</i> , 2022 , 13, 22	6.5	0
130	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	7.9	8
129	Is there an association between prenatal testosterone and autistic traits in adolescents?. <i>Psychoneuroendocrinology</i> , 2021 , 136, 105623	5	0
128	mTOR-related synaptic pathology causes autism spectrum disorder-associated functional hyperconnectivity. <i>Nature Communications</i> , 2021 , 12, 6084	17.4	10
127	Atypical Brain Asymmetry in Autism-A Candidate for Clinically Meaningful Stratification. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021 , 6, 802-812	3.4	14
126	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	3.4	10
125	Commentary: 'Camouflaging' in autistic people - reflection on Fombonne (2020). <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021 , 62,	7.9	9
124	How biopsychosocial depressive risk shapes behavioral and neural responses to social evaluation in adolescence. <i>Brain and Behavior</i> , 2021 , 11, e02005	3.4	1
123	Examining the Boundary Sharpness Coefficient as an Index of Cortical Microstructure in Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2021 , 31, 3338-3352	5.1	2
122	reval: A Python package to determine best clustering solutions with stability-based relative clustering validation. <i>Patterns</i> , 2021 , 2, 100228	5.1	0
121	Imbalanced social-communicative and restricted repetitive behavior subtypes of autism spectrum disorder exhibit different neural circuitry. <i>Communications Biology</i> , 2021 , 4, 574	6.7	4
120	Prototyping as subtyping strategy for studying heterogeneity in autism. <i>Autism Research</i> , 2021 , 14, 2224-2227	5.2	4
119	Medical symptoms and conditions in autistic women. <i>Autism</i> , 2021 , 13623613211022091	6.6	4
118	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	15.1	3
117	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	5.9	0

116	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	5.9	3
115	Self-Other Distinction 2021 , 85-106		1
114	Atypical genomic cortical patterning in autism with poor early language outcome. <i>Science Advances</i> , 2021 , 7, eabh1663	14.3	1
113	Interindividual Differences in Cortical Thickness and Their Genomic Underpinnings in Autism Spectrum Disorder. <i>American Journal of Psychiatry</i> , 2021 , appiajp202120050630	11.9	2
112	Preference for biological motion is reduced in ASD: implications for clinical trials and the search for biomarkers.. <i>Molecular Autism</i> , 2021 , 12, 74	6.5	0
111	Effects of oxytocin administration on salivary sex hormone levels in autistic and neurotypical women. <i>Molecular Autism</i> , 2020 , 11, 20	6.5	6
110	Social brain activation during mentalizing in a large autism cohort: the Longitudinal European Autism Project. <i>Molecular Autism</i> , 2020 , 11, 17	6.5	18
109	Greater cortical thickness in individuals with ASD. <i>Molecular Psychiatry</i> , 2020 , 25, 507-508	15.1	1
108	Intrinsic excitation-inhibition imbalance affects medial prefrontal cortex differently in autistic men versus women. <i>ELife</i> , 2020 , 9,	8.9	37
107	Dissecting the phenotypic heterogeneity in sensory features in autism spectrum disorder: a factor mixture modelling approach. <i>Molecular Autism</i> , 2020 , 11, 67	6.5	7
106	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	6.7	18
105	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	15.1	64
104	Sex-specific impact of prenatal androgens on social brain default mode subsystems. <i>Molecular Psychiatry</i> , 2020 , 25, 2175-2188	15.1	18
103	10Kin1day: A Bottom-Up Neuroimaging Initiative. <i>Frontiers in Neurology</i> , 2019 , 10, 425	4.1	6
102	Investigating the factors underlying adaptive functioning in autism in the EU-AIMS Longitudinal European Autism Project. <i>Autism Research</i> , 2019 , 12, 645-657	5.1	35
101	The ASD Living Biology: from cell proliferation to clinical phenotype. <i>Molecular Psychiatry</i> , 2019 , 24, 88-107	17.1	127
100	Enhancement of indirect functional connections with shortest path length in the adult autistic brain. <i>Human Brain Mapping</i> , 2019 , 40, 5354-5369	5.9	7
99	Default mode-visual network hypoconnectivity in an autism subtype with pronounced social visual engagement difficulties. <i>ELife</i> , 2019 , 8,	8.9	17

98	A Machine Learning Approach to Reveal the NeuroPhenotypes of Autisms. <i>International Journal of Neural Systems</i> , 2019 , 29, 1850058	6.2	16
97	Big data approaches to decomposing heterogeneity across the autism spectrum. <i>Molecular Psychiatry</i> , 2019 , 24, 1435-1450	15.1	156
96	Neural self-representation in autistic women and association with 'compensatory camouflaging'. <i>Autism</i> , 2019 , 23, 1210-1223	6.6	49
95	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	3.4	43
94	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	15.1	76
93	Mindfulness and dynamic functional neural connectivity in children and adolescents. <i>Behavioural Brain Research</i> , 2018 , 336, 211-218	3.4	40
92	EU-AIMS Longitudinal European Autism Project (LEAP): the autism twin cohort. <i>Molecular Autism</i> , 2018 , 9, 26	6.5	12
91	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	25.5	32
90	Sex Differences in the Adult Human Brain: Evidence from 5216 UK Biobank Participants. <i>Cerebral Cortex</i> , 2018 , 28, 2959-2975	5.1	335
89	In Vivo Evidence of Reduced Integrity of the Gray-White Matter Boundary in Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2017 , 27, 877-887	5.1	27
88	Quantifying and exploring camouflaging in men and women with autism. <i>Autism</i> , 2017 , 21, 690-702	6.6	251
87	Association Between the Probability of Autism Spectrum Disorder and Normative Sex-Related Phenotypic Diversity in Brain Structure. <i>JAMA Psychiatry</i> , 2017 , 74, 329-338	14.5	41
86	Sex differences in frontal lobe connectivity in adults with autism spectrum conditions. <i>Translational Psychiatry</i> , 2017 , 7, e1090	8.6	24
85	Intranasal oxytocin enhances intrinsic corticostriatal functional connectivity in women. <i>Translational Psychiatry</i> , 2017 , 7, e1099	8.6	54
84	Multi-echo fMRI: A review of applications in fMRI denoising and analysis of BOLD signals. <i>NeuroImage</i> , 2017 , 154, 59-80	7.9	124
83	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	6.5	106
82	The EU-AIMS Longitudinal European Autism Project (LEAP): clinical characterisation. <i>Molecular Autism</i> , 2017 , 8, 27	6.5	69
81	Hierarchical cortical transcriptome disorganization in autism. <i>Molecular Autism</i> , 2017 , 8, 29	6.5	18

80	Imaging sex/gender and autism in the brain: Etiological implications. <i>Journal of Neuroscience Research</i> , 2017 , 95, 380-397	4.4	86
79	On the brain structure heterogeneity of autism: Parsing out acquisition site effects with significance-weighted principal component analysis. <i>Human Brain Mapping</i> , 2017 , 38, 1208-1223	5.9	27
78	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	7.9	50
77	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	5.1	20
76	Autism and talent: the cognitive and neural basis of systemizing. <i>Dialogues in Clinical Neuroscience</i> , 2017 , 19, 345-353	5.7	21
75	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	2	23
74	Unsupervised data-driven stratification of mentalizing heterogeneity in autism. <i>Scientific Reports</i> , 2016 , 6, 35333	4.9	47
73	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	7.9	53
72	Frontal networks in adults with autism spectrum disorder. <i>Brain</i> , 2016 , 139, 616-30	11.2	83
71	Identification and validation of biomarkers for autism spectrum disorders. <i>Nature Reviews Drug Discovery</i> , 2016 , 15, 70-3	64.1	90
70	Alexithymia in children with and without autism spectrum disorders. <i>Autism Research</i> , 2016 , 9, 773-80	5.1	62
69	Relationship Between Cortical Gyrfication, White Matter Connectivity, and Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2016 , 26, 3297-309	5.1	57
68	Atypically rightward cerebral asymmetry in male adults with autism stratifies individuals with and without language delay. <i>Human Brain Mapping</i> , 2016 , 37, 230-53	5.9	51
67	Elevated fetal steroidogenic activity in autism. <i>Molecular Psychiatry</i> , 2015 , 20, 369-76	15.1	286
66	White-matter relaxation time and myelin water fraction differences in young adults with autism. <i>Psychological Medicine</i> , 2015 , 45, 795-805	6.9	44
65	Different functional neural substrates for good and poor language outcome in autism. <i>Neuron</i> , 2015 , 86, 567-77	13.9	123
64	Decreased centrality of cortical volume covariance networks in autism spectrum disorders. <i>Journal of Psychiatric Research</i> , 2015 , 69, 142-9	5.2	16
63	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	7.2	490

62	Lost for emotion words: what motor and limbic brain activity reveals about autism and semantic theory. <i>NeuroImage</i> , 2015 , 104, 413-22	7.9	27
61	Cell cycle networks link gene expression dysregulation, mutation, and brain maldevelopment in autistic toddlers. <i>Molecular Systems Biology</i> , 2015 , 11, 841	12.2	53
60	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, 556-66	5.1	7
59	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, 477-85	5.1	38
58	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	3.7	134
57	Prediction of autism by translation and immune/inflammation coexpressed genes in toddlers from pediatric community practices. <i>JAMA Psychiatry</i> , 2015 , 72, 386-94	14.5	62
56	Neuroanatomy of Individual Differences in Language in Adult Males with Autism. <i>Cerebral Cortex</i> , 2015 , 25, 3613-28	5.1	38
55	Oxytocin increases eye contact during a real-time, naturalistic social interaction in males with and without autism. <i>Translational Psychiatry</i> , 2015 , 5, e507	8.6	142
54	A meta-analysis of sex differences in human brain structure. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 39, 34-50	9	617
53	Are power calculations useful? A multicentre neuroimaging study. <i>Human Brain Mapping</i> , 2014 , 35, 3569-73	5.7	12
52	The neuropsychology of male adults with high-functioning autism or asperger syndrome. <i>Autism Research</i> , 2014 , 7, 568-81	5.1	78
51	General and specific effects of early-life psychosocial adversities on adolescent grey matter volume. <i>NeuroImage: Clinical</i> , 2014 , 4, 308-18	5.3	53
50	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, 113-20	2.9	68
49	Why is Autism More Common in Males? 2014 , 451-470		
48	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, 1107-16	11.9	48
47	Autism. <i>Lancet, The</i> , 2014 , 383, 896-910	40	1199
46	Brain routes for reading in adults with and without autism: EMEG evidence. <i>Journal of Autism and Developmental Disorders</i> , 2014 , 44, 137-53	4.6	13
45	Inter-regional cortical thickness correlations are associated with autistic symptoms: a machine-learning approach. <i>Journal of Psychiatric Research</i> , 2013 , 47, 453-9	5.2	42

44	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, 13222-7	11.5	72
43	Prenatal and postnatal hormone effects on the human brain and cognition. <i>Pflugers Archiv European Journal of Physiology</i> , 2013 , 465, 557-71	4.6	133
42	Brain surface anatomy in adults with autism: the relationship between surface area, cortical thickness, and autistic symptoms. <i>JAMA Psychiatry</i> , 2013 , 70, 59-70	14.5	154
41	Subgrouping the autism "spectrum": reflections on DSM-5. <i>PLoS Biology</i> , 2013 , 11, e1001544	9.7	155
40	Biological sex affects the neurobiology of autism. <i>Brain</i> , 2013 , 136, 2799-815	11.2	198
39	Brain and behavioral correlates of action semantic deficits in autism. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 725	3.3	16
38	White matter microstructural abnormalities in the frontal lobe of adults with antisocial personality disorder. <i>Cortex</i> , 2012 , 48, 216-29	3.8	98
37	Self-referential and social cognition in a case of autism and agenesis of the corpus callosum. <i>Molecular Autism</i> , 2012 , 3, 14	6.5	16
36	Fetal programming effects of testosterone on the reward system and behavioral approach tendencies in humans. <i>Biological Psychiatry</i> , 2012 , 72, 839-47	7.9	85
35	Individual differences in brain structure underpin empathizing-systemizing cognitive styles in male adults. <i>NeuroImage</i> , 2012 , 61, 1347-54	7.9	42
34	Fetal testosterone influences sexually dimorphic gray matter in the human brain. <i>Journal of Neuroscience</i> , 2012 , 32, 674-80	6.6	216
33	Sex differences and autism: brain function during verbal fluency and mental rotation. <i>PLoS ONE</i> , 2012 , 7, e38355	3.7	52
32	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, 83-9	4.4	81
31	Brain anatomy and its relationship to behavior in adults with autism spectrum disorder: a multicenter magnetic resonance imaging study. <i>Archives of General Psychiatry</i> , 2012 , 69, 195-209		195
30	Cognition in males and females with autism: similarities and differences. <i>PLoS ONE</i> , 2012 , 7, e47198	3.7	114
29	Specialization of right temporo-parietal junction for mentalizing and its relation to social impairments in autism. <i>NeuroImage</i> , 2011 , 56, 1832-8	7.9	184
28	A behavioral comparison of male and female adults with high functioning autism spectrum conditions. <i>PLoS ONE</i> , 2011 , 6, e20835	3.7	358
27	The role of the self in mindblindness in autism. <i>Consciousness and Cognition</i> , 2011 , 20, 130-40	2.6	95

26	Why are autism spectrum conditions more prevalent in males?. <i>PLoS Biology</i> , 2011 , 9, e1001081	9.7	415
25	Shared neural circuits for mentalizing about the self and others. <i>Journal of Cognitive Neuroscience</i> , 2010 , 22, 1623-35	3.1	256
24	Atypical neural self-representation in autism. <i>Brain</i> , 2010 , 133, 611-24	11.2	253
23	Roles of medial prefrontal cortex and orbitofrontal cortex in self-evaluation. <i>Journal of Cognitive Neuroscience</i> , 2010 , 22, 2108-19	3.1	79
22	A shift to randomness of brain oscillations in people with autism. <i>Biological Psychiatry</i> , 2010 , 68, 1092-9	7.9	115
21	Organizational effects of fetal testosterone on human corpus callosum size and asymmetry. <i>Psychoneuroendocrinology</i> , 2010 , 35, 122-32	5	114
20	Unraveling the paradox of the autistic self. <i>Wiley Interdisciplinary Reviews: Cognitive Science</i> , 2010 , 1, 393-403	4.5	53
19	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	0.9	7
18	The amygdala in autism: not adapting to faces?. <i>American Journal of Psychiatry</i> , 2009 , 166, 395-7	11.9	11
17	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	4.6	11
16	Moral dilemmas film task: A study of spontaneous narratives by individuals with autism spectrum conditions. <i>Autism Research</i> , 2009 , 2, 148-56	5.1	42
15	Covariance-based subdivision of the human striatum using T1-weighted MRI. <i>European Journal of Neuroscience</i> , 2008 , 27, 1534-46	3.5	20
14	The Quadruple Process model approach to examining the neural underpinnings of prejudice. <i>NeuroImage</i> , 2008 , 43, 775-83	7.9	80
13	Self-referential cognition and empathy in autism. <i>PLoS ONE</i> , 2007 , 2, e883	3.7	264
12	Intrinsic excitation-inhibition imbalance affects medial prefrontal cortex differently in autistic men versus women		1
11	Disrupted intrinsic connectivity links to language and social deficits in toddlers with autism		1
10	Unsupervised data-driven stratification of mentalizing heterogeneity in autism		8
9	Hierarchical cortical transcriptome disorganization in autism		5

8	Maternal immune activation dysregulation of the fetal brain transcriptome and relevance to the pathophysiology of autism spectrum disorder	4
7	Intranasal oxytocin enhances intrinsic corticostriatal functional connectivity in women	1
6	Sex differences in the adult human brain: Evidence from 5,216 UK Biobank participants	9
5	Examining the boundary sharpness coefficient as an index of cortical microstructure and its relationship to age and sex in autism spectrum disorder	1
4	A cross-species link between mTOR-related synaptic pathology and functional hyperconnectivity in autism	2
3	Normative age modelling of cortical thickness in autistic males	9
2	Big data approaches to decomposing heterogeneity across the autism spectrum	4
1	Brain charts for the human lifespan	8