

Thomas N Ferraro

List of Publications by Year in descending order

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116
papers

4,825
citations

109321

35
h-index

114465

63
g-index

117
all docs

117
docs citations

117
times ranked

7924
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of shared heritability in common disorders of the brain. <i>Science</i> , 2018, 360, .	12.6	1,085
2	Ultra-Rare Genetic Variation in the Epilepsies: A Whole-Exome Sequencing Study of 17,606 Individuals. <i>American Journal of Human Genetics</i> , 2019, 105, 267-282.	6.2	237
3	Quantitative trait loci mapping of three loci controlling morphine preference using inbred mouse strains. <i>Nature Genetics</i> , 1994, 7, 54-58.	21.4	196
4	Mapping Loci for Pentylentetrazol-Induced Seizure Susceptibility in Mice. <i>Journal of Neuroscience</i> , 1999, 19, 6733-6739.	3.6	179
5	Association between variation in the human KCNJ10 potassium ion channel gene and seizure susceptibility. <i>Epilepsy Research</i> , 2004, 58, 175-183.	1.6	136
6	Fine mapping of a seizure susceptibility locus on mouse Chromosome 1: nomination of Kcnj10 as a causative gene. <i>Mammalian Genome</i> , 2004, 15, 239-251.	2.2	123
7	Maternal inheritance and chromosome 18 allele sharing in unilineal bipolar illness pedigrees. , 1996, 67, 202-207.		119
8	Free and conjugated amino acids in human CSF: Influence of age and sex. <i>Brain Research</i> , 1985, 338, 53-60.	2.2	104
9	Differential Susceptibility to Seizures Induced by Systemic Kainic Acid Treatment in Mature DBA/2J and C57BL/6J Mice. <i>Epilepsia</i> , 1995, 36, 301-307.	5.1	102
10	Human mu opioid receptor gene polymorphisms and vulnerability to substance abuse. <i>Addiction Biology</i> , 1997, 2, 303-308.	2.6	75
11	The relationship between the pharmacology of antiepileptic drugs and human gene variation: An overview. <i>Epilepsy and Behavior</i> , 2005, 7, 18-36.	1.7	75
12	Rat strain and age differences in kainic acid induced seizures. <i>Epilepsy Research</i> , 1995, 20, 151-159.	1.6	68
13	Potassium channel activity and glutamate uptake are impaired in astrocytes of seizure-susceptible DBA/2 mice. <i>Epilepsia</i> , 2010, 51, 1707-1713.	5.1	62
14	CSF GABA in depressed patients and normal controls. <i>Psychological Medicine</i> , 1991, 21, 613-618.	4.5	61
15	BMAL1 controls the diurnal rhythm and set point for electrical seizure threshold in mice. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 121.	2.5	61
16	Analysis of LINE-1 Elements in DNA from Postmortem Brains of Individuals with Schizophrenia. <i>Neuropsychopharmacology</i> , 2017, 42, 2602-2611.	5.4	60
17	Variations in the Vesicular Monoamine Transporter 1 Gene (VMAT1/SLC18A1) are Associated with Bipolar I Disorder. <i>Neuropsychopharmacology</i> , 2006, 31, 2739-2747.	5.4	59
18	Mouse strain variation in maximal electroshock seizure threshold. <i>Brain Research</i> , 2002, 936, 82-86.	2.2	57

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19	Systemic acetyl-L-carnitine elevates nigral levels of glutathione and GABA. <i>Life Sciences</i> , 1988, 43, 289-292.	4.3	56
20	The relevance of inter- and intrastrain differences in mice and rats and their implications for models of seizures and epilepsy. <i>Epilepsy and Behavior</i> , 2017, 73, 214-235.	1.7	54
21	Continuous monitoring of brain ethanol levels by intracerebral microdialysis. <i>Alcohol</i> , 1990, 7, 129-132.	1.7	53
22	Association Between the Catechol-O-Methyltransferase Val158Met Polymorphism and Cocaine Dependence. <i>Neuropsychopharmacology</i> , 2008, 33, 3078-3084.	5.4	53
23	In vivo modulation of excitatory amino acid receptors: microdialysis studies on N-methyl-D-aspartate-evoked striatal dopamine release and effects of antagonists. <i>Brain Research</i> , 1992, 574, 42-48.	2.2	50
24	Lack of Association Between an Interleukin 1 Beta (IL-1 β) Gene Variation and Refractory Temporal Lobe Epilepsy. <i>Epilepsia</i> , 2001, 42, 782-784.	5.1	50
25	Quantitative Genetic Study of Maximal Electroshock Seizure Threshold in Mice: Evidence for a Major Seizure Susceptibility Locus on Distal Chromosome 1. <i>Genomics</i> , 2001, 75, 35-42.	2.9	48
26	Epilepsy subtype-specific copy number burden observed in a genome-wide study of 17,458 subjects. <i>Brain</i> , 2020, 143, 2106-2118.	7.6	47
27	Genetic influences on electrical seizure threshold. <i>Brain Research</i> , 1998, 813, 207-210.	2.2	43
28	Triple-column ion-exchange physiological amino acid analysis with fluorescent detection: Baseline characterization of human cerebrospinal fluid. <i>Analytical Biochemistry</i> , 1984, 143, 82-94.	2.4	42
29	Human Golf gene polymorphisms and vulnerability to bipolar disorder. <i>Psychiatric Genetics</i> , 1998, 8, 235-238.	1.1	42
30	Epidemiological study of <i>Trichosporon asahii</i> infections over the past 23 years. <i>Epidemiology and Infection</i> , 2020, 148, e169.	2.1	41
31	Assessment of Probable Opioid Use Disorder Using Electronic Health Record Documentation. <i>JAMA Network Open</i> , 2020, 3, e2015909.	5.9	41
32	Single unit responses of substantia nigra pars reticula neurons to apomorphine: Effects of striatal lesions and anesthesia. <i>Brain Research</i> , 1984, 306, 307-318.	2.2	40
33	Cerebral metabolism of Parkinsonian primates 21 days after MPTP. <i>Experimental Neurology</i> , 1988, 102, 307-313.	4.1	40
34	Confirmation of the association between a polymorphism in the promoter region of the prodynorphin gene and cocaine dependence. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2005, 139B, 106-108.	1.7	39
35	Identification of five mouse μ -opioid receptor (MOR) gene (<i>Oprm1</i>) splice variants containing a newly identified alternatively spliced exon. <i>Gene</i> , 2007, 395, 98-107.	2.2	38
36	Further evidence for association of polymorphisms in the <i>CNR1</i> gene with cocaine addiction: confirmation in an independent sample and meta-analysis. <i>Addiction Biology</i> , 2013, 18, 702-708.	2.6	38

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37	Confirmation of a Major QTL Influencing Oral Morphine Intake in C57 and DBA Mice Using Reciprocal Congenic Strains. <i>Neuropsychopharmacology</i> , 2005, 30, 742-746.	5.4	37
38	Association between Polymorphisms in the Vesicular Monoamine Transporter 1 Gene & (VMAT1/SLC18A1) on Chromosome 8p and Schizophrenia. <i>Neuropsychobiology</i> , 2008, 57, 55-60.	1.9	36
39	Pharmacogenetic considerations in the treatment of psychiatric disorders. <i>Expert Opinion on Pharmacotherapy</i> , 2010, 11, 423-439.	1.8	36
40	The effects of repeated morphine exposure on mu opioid receptor number and affinity in C57BL/6J and DBA/2J mice. <i>Life Sciences</i> , 1997, 61, 2057-2064.	4.3	35
41	Sub-genic intolerance, ClinVar, and the epilepsies: A whole-exome sequencing study of 29,165 individuals. <i>American Journal of Human Genetics</i> , 2021, 108, 965-982.	6.2	35
42	Strain differences in convulsive response to the excitotoxin kainic acid. <i>NeuroReport</i> , 1991, 2, 141-144.	1.2	34
43	Low frequency genetic variants in the μ -opioid receptor (OPRM1) affect risk for addiction to heroin and cocaine. <i>Neuroscience Letters</i> , 2013, 542, 71-75.	2.1	33
44	CSF GABA and neuropeptides in pathological gamblers and normal controls. <i>Psychiatry Research</i> , 1989, 30, 137-144.	3.3	31
45	Kainate and AMPA receptor binding in seizure-prone and seizure-resistant inbred mouse strains. <i>Brain Research</i> , 1998, 780, 1-8.	2.2	30
46	Identification of three mouse μ -opioid receptor (MOR) gene (Oprm1) splice variants containing a newly identified alternatively spliced exon. <i>Gene</i> , 2007, 388, 135-147.	2.2	30
47	In Vivo Microdialysis Study of Brain Ethanol Concentrations in Rats Following Oral Self-Administration. <i>Alcoholism: Clinical and Experimental Research</i> , 1991, 15, 504-507.	2.4	28
48	Association of a polymorphism in the Homer1 gene with cocaine dependence in an African American population. <i>Psychiatric Genetics</i> , 2005, 15, 277-283.	1.1	27
49	Recruitment rates and fear of phlebotomy in pediatric patients in a genetic study of epilepsy. <i>Epilepsy and Behavior</i> , 2005, 6, 444-446.	1.7	27
50	Analysis of a Quantitative Trait Locus for Seizure Susceptibility in Mice Using Bacterial Artificial Chromosome-Mediated Gene Transfer. <i>Epilepsia</i> , 2007, 48, 1667-1677.	5.1	26
51	Brain amino acid concentrations in rats killed by decapitation and microwave irradiation. <i>Journal of Neuroscience Methods</i> , 1990, 31, 187-192.	2.5	25
52	Association analysis between polymorphisms in the dopamine D2 receptor (DRD2) and dopamine transporter (DAT1) genes with cocaine dependence. <i>Neuroscience Letters</i> , 2010, 473, 87-91.	2.1	25
53	Association between variation in the vesicular monoamine transporter 1 gene on chromosome 8p and anxiety-related personality traits. <i>Neuroscience Letters</i> , 2008, 434, 41-45.	2.1	24
54	Cross-sectional analysis of plasma and CSF metabolomic markers in Huntington's disease for participants of varying functional disability: a pilot study. <i>Scientific Reports</i> , 2020, 10, 20490.	3.3	24

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55	MOR Is Not Enough: Identification of Novel mu-Opioid Receptor Interacting Proteins Using Traditional and Modified Membrane Yeast Two-Hybrid Screens. <i>PLoS ONE</i> , 2013, 8, e67608.	2.5	22
56	Further Characterization of In Vitro Conditions Appropriate for GABA Determination in Human CSF: Impact of Acid Deproteinization and Freeze/Thaw. <i>Journal of Neurochemistry</i> , 1983, 41, 1057-1064.	3.9	21
57	Effects of Strain, Behavior and Age on the Self-Administration of Ethanol, Nicotine, Cocaine and Morphine by Two Rat Strains. <i>Neuropsychobiology</i> , 2001, 44, 150-155.	1.9	21
58	Lack of association between variations in the brain-derived neurotrophic factor (BDNF) gene and temporal lobe epilepsy. <i>Epilepsy Research</i> , 2005, 66, 59-62.	1.6	21
59	Lack of association between single nucleotide polymorphisms in the corticotropin releasing hormone receptor 1 (CRHR1) gene and alcohol dependence. <i>Journal of Psychiatric Research</i> , 2005, 39, 475-479.	3.1	19
60	Identification and functional significance of polymorphisms in the μ -opioid receptor gene (Oprm) promoter of C57BL/6 and DBA/2 mice. <i>Neuroscience Research</i> , 2006, 55, 244-254.	1.9	19
61	In Vitro and Ex Vivo Analysis of CHRNA3 and CHRNA5 Haplotype Expression. <i>PLoS ONE</i> , 2011, 6, e23373.	2.5	19
62	Partial characterization of kainic acid-induced striatal dopamine release using in vivo microdialysis. <i>Brain Research</i> , 1991, 543, 69-76.	2.2	18
63	Analysis of variations in the tryptophan hydroxylase-2 (TPH2) gene in cocaine dependence. <i>Addiction Biology</i> , 2006, 11, 76-83.	2.6	18
64	Fine Mapping of a Major QTL Influencing Morphine Preference in C57BL/6 and DBA/2 Mice Using Congenic Strains. <i>Neuropsychopharmacology</i> , 2008, 33, 2801-2809.	5.4	18
65	L-Carnitine delays the killing of cultured hepatocytes by 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine. <i>Archives of Biochemistry and Biophysics</i> , 1990, 276, 132-138.	3.0	17
66	Role of genetics in the diagnosis and treatment of epilepsy. <i>Expert Review of Neurotherapeutics</i> , 2006, 6, 1789-1800.	2.8	17
67	Quantitative trait locus for seizure susceptibility on mouse chromosome 5 confirmed with reciprocal congenic strains. <i>Physiological Genomics</i> , 2007, 31, 458-462.	2.3	17
68	Genomic Screening for Genes Predisposing to Bipolar Disease. <i>Psychiatric Genetics</i> , 1992, 2, 191-208.	1.1	16
69	Analysis of variations in the NAPC gene on chromosome 18p11 in bipolar disorder. <i>Psychiatric Genetics</i> , 2006, 16, 3-8.	1.1	16
70	Isoniazid-induced alteration of CSF neurotransmitter amino acids in Huntington's disease. <i>Brain Research</i> , 1987, 408, 125-130.	2.2	15
71	Challenges and opportunities in the application of pharmacogenetics to antiepileptic drug therapy. <i>Pharmacogenomics</i> , 2006, 7, 89-103.	1.3	15
72	Genetic variants in the cocaine- and amphetamine-regulated transcript gene (CARTPT) and cocaine dependence. <i>Neuroscience Letters</i> , 2008, 440, 280-283.	2.1	14

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73	Analysis of candidate genes for morphine preference quantitative trait locus Mop2. <i>Neuroscience</i> , 2014, 277, 403-416.	2.3	14
74	MPTP and convulsive responses in rodents. <i>Brain Research</i> , 1987, 426, 373-376.	2.2	13
75	Amino acid profiles in long-evans rat superior colliculus, visual cortex, and inferior colliculus. <i>Neurochemical Research</i> , 1989, 14, 465-472.	3.3	13
76	Genotyping microsatellite polymorphisms by agarose gel electrophoresis with ethidium bromide staining. <i>Psychiatric Genetics</i> , 1998, 8, 227-233.	1.1	13
77	Association analysis between polymorphisms in the dopamine D3 receptor (DRD3) gene and cocaine dependence. <i>Psychiatric Genetics</i> , 2009, 19, 275-276.	1.1	12
78	Association analysis between polymorphisms in the myo-inositol monophosphatase 2 (IMPA2) gene and bipolar disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2010, 34, 1515-1519.	4.8	12
79	The Molecular Genetic Interaction Between Circadian Rhythms and Susceptibility to Seizures and Epilepsy. <i>Frontiers in Neurology</i> , 2020, 11, 520.	2.4	12
80	No association between common variations in the human alpha 2 subunit gene (ATP1A2) of the sodium-potassium-transporting ATPase and idiopathic generalized epilepsy. <i>Neuroscience Letters</i> , 2005, 382, 33-38.	2.1	11
81	Association between polymorphisms in the vesicle-associated membrane protein-associated protein A (VAPA) gene on chromosome 18p and bipolar disorder. <i>Journal of Neural Transmission</i> , 2008, 115, 1339-1345.	2.8	11
82	Reading LINEs within the cocaine addicted brain. <i>Brain and Behavior</i> , 2017, 7, e00678.	2.2	11
83	Chronic lithium treatment and status epilepticus induced by lithium and pilocarpine cause selective changes of amino acid concentrations in rat brain regions. <i>Neurochemical Research</i> , 1989, 14, 829-834.	3.3	10
84	No association between common variations in the neuronal nicotinic acetylcholine receptor alpha2 subunit gene (CHRNA2) and bipolar I disorder. <i>Psychiatry Research</i> , 2005, 135, 171-177.	3.3	10
85	Chemoconvulsant-induced Seizure Susceptibility: Toward a Common Genetic Basis?. <i>Epilepsia</i> , 2007, 48, 48-52.	5.1	10
86	Association study of polymorphisms in the autosomal mitochondrial complex I subunit gene, NADH dehydrogenase (ubiquinone) flavoprotein 2, and bipolar disorder. <i>Psychiatric Genetics</i> , 2011, 21, 51-52.	1.1	10
87	Defining the clinical role of pharmacogenetics in antiepileptic drug therapy. <i>Pharmacogenomics Journal</i> , 2006, 6, 357-359.	2.0	9
88	Repeated Electroconvulsive Shock Selectively Alters gamma-Aminobutyric Acid Levels in the Rat Brain: Effect of Electrode Placement. <i>Convulsive Therapy</i> , 1990, 6, 199-208.	0.1	9
89	Association study of the β -arrestin 2 gene (ARRB2) with opioid and cocaine dependence in a European-American population. <i>Psychiatric Genetics</i> , 2012, 22, 141-145.	1.1	8
90	Quantitative trait locus on distal chromosome 1 regulates the occurrence of spontaneous spike-wave discharges in DBA/2 mice. <i>Epilepsia</i> , 2012, 53, 1429-1435.	5.1	8

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91	Novel De Novo Mutation of a Conserved SCN1A Amino-Acid Residue (R1596). <i>Pediatric Neurology</i> , 2007, 37, 303-305.	2.1	7
92	Association analysis between polymorphisms in the conserved dopamine neurotrophic factor (CDNF) gene and cocaine dependence. <i>Neuroscience Letters</i> , 2009, 453, 199-203.	2.1	7
93	Deletion of the vesicular monoamine transporter 1 (vmat1/slc18a1) gene affects dopamine signaling. <i>Brain Research</i> , 2019, 1712, 151-157.	2.2	7
94	Genetic Variation in PADI6-PADI4 on 1p36.13 Is Associated with Common Forms of Human Generalized Epilepsy. <i>Genes</i> , 2021, 12, 1441.	2.4	7
95	Quantitative trait loci for electrical seizure threshold mapped in C57BLKS/J and C57BL/10SnJ mice. <i>Genes, Brain and Behavior</i> , 2011, 10, 309-315.	2.2	6
96	Discovery of epilepsy susceptibility genes: implications for therapy development and pharmacogenomics. <i>Pharmacogenomics</i> , 2012, 13, 731-734.	1.3	6
97	Investigation of long interspersed element-1 retrotransposons as potential risk factors for idiopathic temporal lobe epilepsy. <i>Epilepsia</i> , 2021, 62, 1329-1342.	5.1	6
98	Genetics and prescription opioid use (GaPO): study design for consenting a cohort from an existing biobank to identify clinical and genetic factors influencing prescription opioid use and abuse. <i>BMC Medical Genomics</i> , 2021, 14, 253.	1.5	6
99	Association analysis of the pituitary adenylate cyclase-activating polypeptide (PACAP/ADCYAP1) gene in bipolar disorder. <i>Psychiatric Genetics</i> , 2008, 18, 53-58.	1.1	5
100	The imperative of clinical and molecular research on neonatal opioid withdrawal syndrome. <i>Molecular Psychiatry</i> , 2019, 24, 1568-1571.	7.9	5
101	Polygenic epilepsy. <i>Advances in Neurology</i> , 2006, 97, 389-98.	0.8	5
102	Association between polymorphisms in the metallophosphoesterase (<i>MPPE1</i>) gene and bipolar disorder. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010, 153B, 830-836.	1.7	4
103	Detection of Several Novel γ -Aminobutyric Acid-Containing Compounds in Human CSF. <i>Journal of Neurochemistry</i> , 1990, 55, 769-773.	3.9	3
104	The relationship between genes affecting the development of epilepsy and approaches to epilepsy therapy. <i>Expert Review of Neurotherapeutics</i> , 2014, 14, 329-352.	2.8	3
105	Effectiveness of a Team-Based Learning exercise in the learning outcomes of a medical pharmacology course: insight from struggling students. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 1941-1948.	3.0	3
106	Quantitative trait loci analysis reveals candidate genes implicated in regulating functional deficit and CNS vascular permeability in CD8 T cell-initiated blood-brain barrier disruption. <i>BMC Genomics</i> , 2013, 14, 678.	2.8	2
107	Case-control association study of WLS variants in opioid and cocaine addicted populations. <i>Psychiatry Research</i> , 2013, 208, 62-66.	3.3	2
108	Cognitive and behavioral effects of brief seizures in mice. <i>Epilepsy and Behavior</i> , 2019, 98, 249-257.	1.7	2

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109	N-methyl-4-phenylpyridinium (MPP+) potentiates the killing of cultured hepatocytes by catecholamines. <i>Chemico-Biological Interactions</i> , 1993, 88, 209-223.	4.0	1
110	No association between polymorphisms in the prostate apoptosis factor-4 gene and cocaine dependence. <i>Psychiatric Genetics</i> , 2006, 16, 193-196.	1.1	1
111	Barriers to the use of genetic information for the development of new epilepsy treatments. <i>Expert Review of Neurotherapeutics</i> , 2016, 16, 5-8.	2.8	1
112	Genetic influences on responsiveness to anticonvulsant drugs. , 2002, , 333-359.		0
113	Strategies for studying the epilepsy genome. <i>Epilepsia</i> , 2010, 51, 58-58.	5.1	0
114	Genetic Causes of Medication-Resistant Epilepsy. , 2020, , 69-78.		0
115	Defining the Role of Anti-epileptic Pharmacogenetics in Psychiatric Drug Therapy. <i>Psychiatric Annals</i> , 2008, 38, .	0.1	0
116	Pharmacogenetics of AED Development. , 2010, , 159-172.		0