Philip J Thomas

List of Publications by Year
in descending order

118 papers	11,346 citations	36303 51 h-index	29157 104 g-index
122 all docs	122 docs citations	122 times ranked	9658 citing authors

#	Article	IF	Citations
1	A quantum-logic gate between distant quantum-network modules. Science, 2021, 371, 614-617.	12.6	86
2	Quantum Teleportation between Remote Qubit Memories with Only a Single Photon as a Resource. Physical Review Letters, 2021, 126, 130502.	7.8	31
3	A role for the ribosome-associated complex in activation of the IRE1 branch of UPR. Cell Reports, 2021, 35, 109217.	6.4	8
4	GABAAR isoform and subunit structural motifs determine synaptic and extrasynaptic receptor localisation. Neuropharmacology, 2020, 169, 107540.	4.1	34
5	CFTR modulator theratyping: Current status, gaps and future directions. Journal of Cystic Fibrosis, 2019, 18, 22-34.	0.7	208
6	Isogenic cell models of cystic fibrosis-causing variants in natively expressing pulmonary epithelial cells. Journal of Cystic Fibrosis, 2019, 18, 476-483.	0.7	88
7	The four regions in settlement space: a game-theoretical approach to investment treaty arbitration. Part II: cases. Law, Probability and Risk, 2018, 17, 79-98.	2.4	0
8	The four regions in settlement space: a game-theoretical approach to investment treaty arbitration. Part I: modelling. Law, Probability and Risk, 2018, 17, 55-78.	2.4	0
9	Matador injury case report: Spermatic cord fat pad (SCFP) interposition to support complex pelvic reconstruction-a novel technique. Urology Case Reports, 2018, 18, 87-88.	0.3	0
10	Probing GABAA receptors with inhibitory neurosteroids. Neuropharmacology, 2018, 136, 23-36.	4.1	18
11	Melatonin in Assisted Reproductive Technology: A Pilot Double-Blind Randomized Placebo-Controlled Clinical Trial. Frontiers in Endocrinology, 2018, 9, 545.	3.5	34
12	Active nuclear import and passive nuclear export are the primary determinants of TDP-43 localization. Scientific Reports, 2018, 8, 7083.	3.3	106
13	Long-term culture and cloning of primary human bronchial basal cells that maintain multipotent differentiation capacity and CFTR channel function. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L313-L327.	2.9	48
14	Pathogenic Signal Sequence Mutations in Progranulin Disrupt SRP Interactions Required for mRNA Stability. Cell Reports, 2018, 23, 2844-2851.	6.4	30
15	Intentional Innovation Communities: Concepts and Preliminary Evidence. Economic Development Quarterly, 2017, 31, 100-115.	0.9	2
16	Direct Binding of the Corrector VX-809 to Human CFTR NBD1: Evidence of an Allosteric Coupling between the Binding Site and the NBD1:CL4 Interface. Molecular Pharmacology, 2017, 92, 124-135.	2.3	85
17	Infant birth outcomes are associated with DNA damage biomarkers as measured by the cytokinesis block micronucleus cytome assay: the DADHI study. Mutagenesis, 2017, 32, 355-370.	2.6	11
18	17Î²-Estradiol Dysregulates Innate Immune Responses to Pseudomonas aeruginosa Respiratory Infection and Is Modulated by Estrogen Receptor Antagonism. Infection and Immunity, 2017, 85, .	2.2	50

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19	Inter-laboratory consistency and variability in the buccal micronucleus cytome assay depends on biomarker scored and laboratory experience: results from the HUMNxl international inter-laboratory scoring exercise. Mutagenesis, 2016, 32, gew047.	2.6	23
20	Characterization of novel small-molecule NRF2 activators: Structural and biochemical validation of stereospecific KEAP1 binding. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2537-2552.	2.4	40
21	N-Alpha-Acetyltransferases and Regulation of CFTR Expression. PLoS ONE, 2016, 11, e0155430.	2.5	4
22	High Content, Multi-Parameter Analyses in Buccal Cells to Identify Alzheimer's Disease. Current Alzheimer Research, 2016, 13, 787-799.	1.4	23
23	In vivo evaluation of the genotoxic effects of Hyrax auxiliary orthodontic appliances containing silver-soldered joints. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2015, 791, 25-29.	1.7	7
24	Chromosomal <scp>DNA</scp> damage in <scp>APOE</scp> É›4 carriers and noncarriers does not appear to be different. Environmental and Molecular Mutagenesis, 2015, 56, 694-708.	2.2	3
25	Modulation of neurosteroid potentiation by protein kinases at synaptic- and extrasynaptic-type GABAA receptors. Neuropharmacology, 2015, 88, 63-73.	4.1	27
26	Genome instability biomarkers and blood micronutrient risk profiles associated with mild cognitive impairment and Alzheimer's disease. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2015, 776, 54-83.	1.0	14
27	Buccal micronucleus cytome assay: results of an intra- and inter-laboratory scoring comparison. Mutagenesis, 2015, 30, 545-555.	2.6	51
28	Potential role of folate in pre-eclampsia. Nutrition Reviews, 2015, 73, 694-722.	5.8	23
29	Lack of Evidence for Genomic Instability in Autistic Children as Measured by the Cytokinesisâ€Block Micronucleus Cytome Assay. Autism Research, 2015, 8, 94-104.	3.8	19
30	Chromosomal DNA damage measured using the cytokinesisâ€block micronucleus cytome assay is significantly associated with cognitive impairment in <scp>S</scp>outh <scp>A</scp>ustralians. Environmental and Molecular Mutagenesis, 2015, 56, 32-40.	2.2	23
31	Biomarkers of Alzheimerâ€™s Disease Risk in Peripheral Tissues; Focus on Buccal Cells. Current Alzheimer Research, 2014, 11, 519-531.	1.4	31
32	The BiP Molecular Chaperone Plays Multiple Roles during the Biogenesis of TorsinA, an AAA+ ATPase Associated with the Neurological Disease Early-onset Torsion Dystonia. Journal of Biological Chemistry, 2014, 289, 12727-12747.	3.4	25
33	Workers exposed to wood dust have an increased micronucleus frequency in nasal and buccal cells: results from a pilot study. Mutagenesis, 2014, 29, 201-207.	2.6	26
34	In-Hospital and Post-Discharge Mortality in the Extreme Elderly Admitted to Intensive Care. Journal of the Intensive Care Society, 2014, 15, 48-52.	2.2	0
35	Altered cytological parameters in buccal cells from individuals with mild cognitive impairment and Alzheimer's disease. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 698-708.	1.5	31
36	Extracellular amyloid beta 42 causes necrosis, inhibition of nuclear division, and mitotic disruption under both folate deficient and folate replete conditions as measured by the cytokinesisâ€block micronucleus cytome assay. Environmental and Molecular Mutagenesis, 2014, 55, 1-14.	2.2	13

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37	Cytotoxicity and genotoxicity of orthodontic bands with or without silver soldered joints. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 762, 1-8.	1.7	22
38	Inefficient SRP Interaction with a Nascent Chain Triggers a mRNA Quality Control Pathway. Cell, 2014, 156, 146-157.	28.9	77
39	Effect of docosahexaenoic acid and furan fatty acids on cytokinesis block micronucleus cytome assay biomarkers in astrocytoma cell lines under conditions of oxidative stress. Environmental and Molecular Mutagenesis, 2014, 55, 573-590.	2.2	5
40	Defining the disease liability of variants in the cystic fibrosis transmembrane conductance regulator gene. Nature Genetics, 2013, 45, 1160-1167.	21.4	513
41	Tracking Cell Surface Mobility of GPCRs Using Î±-Bungarotoxin-Linked Fluorophores. Methods in Enzymology, 2013, 521, 109-129.	1.0	16
42	Cytoprotective and pro-apoptotic activities of native Australian herbs polyphenolic-rich extracts. Food Chemistry, 2013, 136, 9-17.	8.2	36
43	Regulatory R region of the CFTR chloride channel is a dynamic integrator of phospho-dependent intra- and intermolecular interactions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4427-36.	7.1	142
44	Necrosis is increased in lymphoblastoid cell lines from children with autism compared with their non-autistic siblings under conditions of oxidative and nitrosative stress. Mutagenesis, 2013, 28, 475-484.	2.6	14
45	First Experiences with the Spannerâ„¢ Temporary Prostatic Stent for Prostatic Urethral Obstruction. Urologia Internationalis, 2013, 91, 384-390.	1.3	6
46	Requirements for Efficient Correction of Î”F508 CFTR Revealed by Analyses of Evolved Sequences. Cell, 2012, 148, 164-174.	28.9	243
47	TDP-43 Identified from a Genome Wide RNAi Screen for SOD1 Regulators. PLoS ONE, 2012, 7, e35818.	2.5	13
48	Development of CFTR structure. Frontiers in Pharmacology, 2012, 3, 162.	3.5	17
49	Zinc deficiency or excess within the physiological range increases genome instability and cytotoxicity, respectively, in human oral keratinocyte cells. Genes and Nutrition, 2012, 7, 139-154.	2.5	40
50	Automation of the Buccal Micronucleus Cytome Assay Using Laser Scanning Cytometry. Methods in Cell Biology, 2011, 102, 321-339.	1.1	21
51	Restricted gene flow across fragmented populations of Legrandia concinna, a threatened Myrtaceae endemic to south-central Chile. Bosque, 2011, 32, 30-38.	0.3	3
52	A Screen to Identify Cellular Modulators of Soluble Levels of an Amyotrophic Lateral Sclerosis (ALS)â€“Causing Mutant SOD1. Journal of Biomolecular Screening, 2011, 16, 974-985.	2.6	4
53	Alteration of CFTR transmembrane span integration by disease-causing mutations. Molecular Biology of the Cell, 2011, 22, 4461-4471.	2.1	32
54	Biochemical and Biophysical Approaches to Probe CFTR Structure. Methods in Molecular Biology, 2011, 741, 365-376.	0.9	5

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55	IRBIT governs epithelial secretion in mice by antagonizing the WNK/SPAK kinase pathway. Journal of Clinical Investigation, 2011, 121, 956-965.	8.2	92
56	Introduction to Section IV: Biophysical Methods to Approach CFTR Structure. Methods in Molecular Biology, 2011, 741, 321-327.	0.9	2
57	Accelerated formation of Î±-synuclein oligomers by concerted action of the 20S proteasome and familial Parkinson mutations. Journal of Bioenergetics and Biomembranes, 2010, 42, 85-95.	2.3	20
58	NMR evidence for differential phosphorylation-dependent interactions in WT and Î”F508 CFTR. EMBO Journal, 2010, 29, 263-277.	7.8	103
59	Reduced histone deacetylase 7 activity restores function to misfolded CFTR in cystic fibrosis. Nature Chemical Biology, 2010, 6, 25-33.	8.0	237
60	The Cystic Fibrosis-causing Mutation Î”F508 Affects Multiple Steps in Cystic Fibrosis Transmembrane Conductance Regulator Biogenesis. Journal of Biological Chemistry, 2010, 285, 35825-35835.	3.4	160
61	A Unique Redox-sensing Sensor II Motif in TorsinA Plays a Critical Role in Nucleotide and Partner Binding*. Journal of Biological Chemistry, 2010, 285, 37271-37280.	3.4	52
62	Abnormal Neurites Containing C-Terminally Truncated Î±-Synuclein Are Present in Alzheimer's Disease without Conventional Lewy Body Pathology. American Journal of Pathology, 2010, 177, 3037-3050.	3.8	37
63	A strategy for achieving innovation through Sheep Cooperative Research Centre research and development. Animal Production Science, 2010, 50, 1145.	1.3	1
64	The Primary Folding Defect and Rescue of Î”F508 CFTR Emerge during Translation of the Mutant Domain. PLoS ONE, 2010, 5, e15458.	2.5	76
65	Solubilizing Mutations Used to Crystallize One CFTR Domain Attenuate the Trafficking and Channel Defects Caused by the Major Cystic Fibrosis Mutation. Chemistry and Biology, 2008, 15, 62-69.	6.0	74
66	Congenital Chloride-losing Diarrhea Causing Mutations in the STAS Domain Result in Misfolding and Mistrafficking of SLC26A3. Journal of Biological Chemistry, 2008, 283, 8711-8722.	3.4	60
67	An Institute for the 21st Century. Measurement and Control, 2008, 41, 17-19.	1.8	0
68	CFTR regulatory region interacts with NBD1 predominantly via multiple transient helices. Nature Structural and Molecular Biology, 2007, 14, 738-745.	8.2	267
69	Building an understanding of cystic fibrosis on the foundation of ABC transporter structures. Journal of Bioenergetics and Biomembranes, 2007, 39, 499-505.	2.3	52
70	ATP Binding and ATP Hydrolysis Play Distinct Roles in the Function of 26S Proteasome. Molecular Cell, 2006, 24, 39-50.	9.7	158
71	Slc26a6 regulates CFTR activity in vivo to determine pancreatic duct HCO3â^' secretion: relevance to cystic fibrosis. EMBO Journal, 2006, 25, 5049-5057.	7.8	141
72	Coupling Modes and Stoichiometry of Clâ^'/HCO3â^' Exchange by slc26a3 and slc26a6. Journal of General Physiology, 2006, 127, 511-524.	1.9	165

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73	Regulatory interaction between CFTR and the SLC26 transporters. Novartis Foundation Symposium, 2006, 273, 177-86; discussion 186-92, 261-4.	1.1	31
74	Side chain and backbone contributions of Phe508 to CFTR folding. Nature Structural and Molecular Biology, 2005, 12, 10-16.	8.2	173
75	Nucleotide Binding Domain Interactions During the Mechanochemical Reaction Cycle of ATP-Binding Cassette Transporters. Journal of Bioenergetics and Biomembranes, 2005, 37, 475-479.	2.3	26
76	A Precipitating Role for Truncated Î±-Synuclein and the Proteasome in Î±-Synuclein Aggregation. Journal of Biological Chemistry, 2005, 280, 22670-22678.	3.4	229
77	Interpretation and performance in Bryn Harrison's Ãªtre-temps. Musicae Scientiae, 2005, 9, 31-74.	2.9	26
78	Dynamic Control of Cystic Fibrosis Transmembrane Conductance Regulator Clâ¯/HCO3â¯ Selectivity by External Clâ€“. Journal of Biological Chemistry, 2004, 279, 21857-21865.	3.4	91
79	A Conserved GXXXG Motif in APH-1 Is Critical for Assembly and Activity of the Î³-Secretase Complex. Journal of Biological Chemistry, 2004, 279, 4144-4152.	3.4	111
80	Gating of CFTR by the STAS domain of SLC26 transporters. Nature Cell Biology, 2004, 6, 343-350.	10.3	431
81	Structure of nucleotide-binding domain 1 of the cystic fibrosis transmembrane conductance regulator. EMBO Journal, 2004, 23, 282-293.	7.8	376
82	Uncoupling retro-translocation and degradation in the ER-associated degradation of a soluble protein. EMBO Journal, 2004, 23, 2206-2215.	7.8	106
83	Methylenetetrahydrofolate Reductase C677T Polymorphism, Folic Acid and Riboflavin Are Important Determinants of Genome Stability in Cultured Human Lymphocytes. Journal of Nutrition, 2004, 134, 48-56.	2.9	149
84	Endoproteolytic Activity of the Proteasome. Science, 2003, 299, 408-411.	12.6	387
85	Organic Solutes Rescue the Functional Defect in Î”F508 Cystic Fibrosis Transmembrane Conductance Regulator. Journal of Biological Chemistry, 2003, 278, 51232-51242.	3.4	80
86	The Cystic Fibrosis Transmembrane Conductance Regulator Interacts with and Regulates the Activity of the HCO3â¯ Salvage Transporter Human Na+-HCO3â¯ Cotransport Isoform 3. Journal of Biological Chemistry, 2002, 277, 50503-50509.	3.4	87
87	Mutations That Change the Position of the Putative Î³-Phosphate Linker in the Nucleotide Binding Domains of CFTR Alter Channel Gating. Journal of Biological Chemistry, 2002, 277, 2125-2131.	3.4	25
88	Conformational Remodeling of Proteasomal Substrates by PA700, the 19 S Regulatory Complex of the 26 S Proteasome. Journal of Biological Chemistry, 2002, 277, 26815-26820.	3.4	63
89	Cooperative, ATP-dependent Association of the Nucleotide Binding Cassettes during the Catalytic Cycle of ATP-binding Cassette Transporters. Journal of Biological Chemistry, 2002, 277, 21111-21114.	3.4	303
90	ATP Binding to the Motor Domain from an ABC Transporter Drives Formation of a Nucleotide Sandwich Dimer. Molecular Cell, 2002, 10, 139-149.	9.7	738

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91	A protein sequence that can encode native structure by disfavoring alternate conformations. Nature Structural Biology, 2002, 9, 381-8.	9.7	45
92	A molecular mechanism for aberrantCFTR-dependent HCO3- transport in cystic fibrosis. EMBO Journal, 2002, 21, 5662-5672.	7.8	287
93	The Crystal Structure of the MJ0796 ATP-binding Cassette. Journal of Biological Chemistry, 2001, 276, 32313-32321.	3.4	218
94	Protein solubility and folding monitored in vivo by structural complementation of a genetic marker protein. Nature Biotechnology, 2001, 19, 131-136.	17.5	167
95	A snapshot of Nature's favorite pump. , 2001, 8, 920-923.		23
96	Aberrant CFTR-dependent HCO-3 transport in mutations associated with cystic fibrosis. Nature, 2001, 410, 94-97.	27.8	362
97	Crystal Structures of the MJ1267 ATP Binding Cassette Reveal an Induced-Fit Effect at the ATPase Active Site of an ABC Transporter. Structure, 2001, 9, 571-586.	3.3	278
98	Interlayer tunnelling in Bi2Sr2CaCu2O8+Î´ single crystals. Physica B: Condensed Matter, 2000, 280, 245-246.	2.7	4
99	Activity and Regulation of the Centrosome-associated Proteasome. Journal of Biological Chemistry, 2000, 275, 409-413.	3.4	155
100	Recognition of Misfolding Proteins by PA700, the Regulatory Subcomplex of the 26 S Proteasome. Journal of Biological Chemistry, 2000, 275, 5565-5572.	3.4	168
101	Dynamic Association of Proteasomal Machinery with the Centrosome. Journal of Cell Biology, 1999, 145, 481-490.	5.2	479
102	Regulation of Clâ^'/ HCO3â^'Exchange by Cystic Fibrosis Transmembrane Conductance Regulator Expressed in NIH 3T3 and HEK 293 Cells. Journal of Biological Chemistry, 1999, 274, 3414-3421.	3.4	132
103	Cystic Fibrosis Transmembrane Conductance Regulator Regulates Luminal Clâ^'/HCO3â^'Exchange in Mouse Submandibular and Pancreatic Ducts. Journal of Biological Chemistry, 1999, 274, 14670-14677.	3.4	171
104	Cell Surface Stability of Î³-Aminobutyric Acid Type A Receptors. Journal of Biological Chemistry, 1999, 274, 36565-36572.	3.4	167
105	Transmembrane Domain of Cystic Fibrosis Transmembrane Conductance Regulator:Â Design, Characterization, and Secondary Structure of Synthetic Peptides m1â^'m6â€. Biochemistry, 1998, 37, 844-853.	2.5	37
106	New SARTOR Will Bring Big Changes. Measurement and Control, 1998, 31, 275-277.	1.8	0
107	The Molecular Chaperone Hsc70 Assists the in VitroFolding of the N-terminal Nucleotide-binding Domain of the Cystic Fibrosis Transmembrane Conductance Regulator. Journal of Biological Chemistry, 1997, 272, 25421-25424.	3.4	109
108	Localization and Suppression of a Kinetic Defect in Cystic Fibrosis Transmembrane Conductance Regulator Folding. Journal of Biological Chemistry, 1997, 272, 15739-15744.	3.4	126

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109	Cystic fibrosis: a disease of altered protein folding. Journal of Bioenergetics and Biomembranes, 1997, 29, 483-490.	2.3	55
110	Alteration of the Cystic Fibrosis Transmembrane Conductance Regulator Folding Pathway. Journal of Biological Chemistry, 1996, 271, 7261-7264.	3.4	141
111	Defective protein folding as a basis of human disease. Trends in Biochemical Sciences, 1995, 20, 456-459.	7.5	511
112	Chromosomal localization of genes required for the terminal steps of oxidative metabolism: ? and ? subunits of ATP synthase and the phosphate carrier. Human Genetics, 1994, 93, 600-2.	3.8	17
113	Alkyl-modified side chain variants of anatoxin-a: A series of potent nicotinic agonists. Drug Development Research, 1994, 31, 147-156.	2.9	16
114	Effects of the ?F508 mutation on the structure, function, and folding of the first nucleotide-binding domain of CFTR. Journal of Bioenergetics and Biomembranes, 1993, 25, 11-19.	2.3	39
115	Homologies and disparities of glutamate receptors: A critical analysis. Neurochemistry International, 1993, 23, 583-594.	3.8	11
116	F-type ATPases: Are Nucleotide Domains in Adenylate Kinase Appropriate Models for Nucleotide Domains in ATP Synthase/ATPase Complexes?. Annals of the New York Academy of Sciences, 1992, 671, 359-365.	3.8	0
117	Altered protein folding may be the molecular basis of most cases of cystic fibrosis. FEBS Letters, 1992, 312, 7-9.	2.8	67
118	Microcomputer-Based Protection Systems. Measurement and Control, 1984, 17, 197-198.	1.8	0