Christoph O Randak

List of Publications by Year
in descending order

26	1,040	471061 17	552369 26
papers	citations	h-index	g-index

26	26	26	1374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Airway acidification initiates host defense abnormalities in cystic fibrosis mice. Science, 2016, 351, 503-507.	6.0	254
2	Processing and function of CFTR-Î”F508 are species-dependent. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15370-15375.	3.3	105
3	Curcumin Stimulates Cystic Fibrosis Transmembrane Conductance Regulator Clâ€“ Channel Activity. Journal of Biological Chemistry, 2005, 280, 5221-5226.	1.6	85
4	Effects of C-terminal deletions on cystic fibrosis transmembrane conductance regulator function in cystic fibrosis airway epithelia. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 1937-1942.	3.3	59
5	A recombinant polypeptide model of the second nucleotide-binding fold of the cystic fibrosis transmembrane conductance regulator functions as an active ATPase, GTPase and adenylate kinase. FEBS Letters, 1997, 410, 180-186.	1.3	52
6	Inhibition of ATPase, GTPase and adenylate kinase activities of the second nucleotide-binding fold of the cystic fibrosis transmembrane conductance regulator by genistein. Biochemical Journal, 1999, 340, 227-235.	1.7	51
7	CFTR with a partially deleted R domain corrects the cystic fibrosis chloride transport defect in human airway epithelia in vitro and in mouse nasal mucosa in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3093-3098.	3.3	51
8	An Intrinsic Adenylate Kinase Activity Regulates Gating of the ABC Transporter CFTR. Cell, 2003, 115, 837-850.	13.5	51
9	Activation of G551D CFTR channel with MPB-91: regulation by ATPase activity and phosphorylation. American Journal of Physiology - Cell Physiology, 2001, 281, C1657-C1666.	2.1	44
10	CFTR-deficient pigs display peripheral nervous system defects at birth. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3083-3088.	3.3	44
11	Monocyte derived macrophages from CF pigs exhibit increased inflammatory responses at birth. Journal of Cystic Fibrosis, 2017, 16, 471-474.	0.3	35
12	Expression and functional properties of the second predicted nucleotide binding fold of the cystic fibrosis transmembrane conductance regulator fused to. FEBS Letters, 1995, 363, 189-194.	1.3	30
13	ADP inhibits function of the ABC transporter cystic fibrosis transmembrane conductance regulator via its adenylate kinase activity. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2216-2220.	3.3	28
14	Protein kinase A regulates ATP hydrolysis and dimerization by a CFTR (cystic fibrosis transmembrane) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	26
15	Pretransplant Management and Small Bowel-Liver Transplantation in an Infant with Microvillus Inclusion Disease. Journal of Pediatric Gastroenterology and Nutrition, 1998, 27, 333-337.	0.9	26
16	Adenylate Kinase Activity in ABC Transporters. Journal of Biological Chemistry, 2005, 280, 34385-34388.	1.6	19
17	Inhibition of ATPase, GTPase and adenylate kinase activities of the second nucleotide-binding fold of the cystic fibrosis transmembrane conductance regulator by genistein. Biochemical Journal, 1999, 340, 227.	1.7	18
18	A recombinant polypeptide model of the second predicted nucleotide binding fold of the cystic fibrosis transmembrane conductance regulator is a GTP-binding protein. FEBS Letters, 1996, 398, 97-100.	1.3	17

#	Article	IF	Citations
19	Increased CFTR expression and function from an optimized lentiviral vector for cystic fibrosis gene therapy. Molecular Therapy - Methods and Clinical Development, 2021, 21, 94-106.	1.8	8
20	Demonstration of Phosphoryl Group Transfer Indicates That the ATP-binding Cassette (ABC) Transporter Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Exhibits Adenylate Kinase Activity. Journal of Biological Chemistry, 2012, 287, 36105-36110.	1.6	7
21	Mutating the Conserved Q-loop Glutamine 1291 Selectively Disrupts Adenylate Kinase-dependent Channel Gating of the ATP-binding Cassette (ABC) Adenylate Kinase Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) and Reduces Channel Function in Primary Human Airway Epithelia. Journal of Biological Chemistry, 2015, 290, 14140-14153.	1.6	7
22	Role of CFTRâ€™s intrinsic adenylate kinase activity in gating of the Clâ¯ channel. Journal of Bioenergetics and Biomembranes, 2007, 39, 473-479.	1.0	6
23	ATP and AMP Mutually Influence Their Interaction with the ATP-binding Cassette (ABC) Adenylate Kinase Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) at Separate Binding Sites. Journal of Biological Chemistry, 2013, 288, 27692-27701.	1.6	6
24	A Mutation in CFTR Modifies the Effects of the Adenylate Kinase Inhibitor Ap5A on Channel Gating. Biophysical Journal, 2008, 95, 5178-5185.	0.2	5
25	A child with progressive multiple tracheal diverticulae: A variation of the Mounierâ€“Kuhn syndrome. Pediatric Pulmonology, 2013, 48, 841-843.	1.0	5
26	An elusive adenylate cyclase complicit in cholera is exposed. Journal of Biological Chemistry, 2018, 293, 12960-12961.	1.6	1