Puay-Wah Phuan

List of Publications by Year
in descending order

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22 papers	1,128 citations	516561 16 h-index	677027 22 g-index
23 all docs	23 docs citations	23 times ranked	1400 citing authors

#	Article	IF	Citations
1	Some gating potentiators, including VX-770, diminish Î”F508-CFTR functional expression. Science Translational Medicine, 2014, 6, 246ra97.	5.8	264
2	The aquaporin-4 water channel as a potential drug target in neurological disorders. Expert Opinion on Therapeutic Targets, 2017, 21, 1161-1170.	1.5	130
3	Complement-dependent Cytotoxicity in Neuromyelitis Optica Requires Aquaporin-4 Protein Assembly in Orthogonal Arrays. Journal of Biological Chemistry, 2012, 287, 13829-13839.	1.6	124
4	Correctors and Potentiators Rescue Function of the Truncated W1282X-Cystic Fibrosis Transmembrane Regulator (CFTR) Translation Product. Journal of Biological Chemistry, 2017, 292, 771-785.	1.6	73
5	Cyanoquinolines with Independent Corrector and Potentiator Activities Restore Î”Phe508-Cystic Fibrosis Transmembrane Conductance Regulator Chloride Channel Function in Cystic Fibrosis. Molecular Pharmacology, 2011, 80, 683-693.	1.0	61
6	Synergy-Based Small-Molecule Screen Using a Human Lung Epithelial Cell Line Yields Î”F508-CFTR Correctors That Augment VX-809 Maximal Efficacy. Molecular Pharmacology, 2014, 86, 42-51.	1.0	58
7	C1q-targeted monoclonal antibody prevents complement-dependent cytotoxicity and neuropathology in in vitro and mouse models of neuromyelitis optica. Acta Neuropathologica, 2013, 125, 829-840.	3.9	57
8	Combination potentiator (â€˜co-potentiatorâ€™) therapy for CF caused by CFTR mutants, including N1303K, that are poorly responsive to single potentiators. Journal of Cystic Fibrosis, 2018, 17, 595-606.	0.3	48
9	Inhibitors of pendrin anion exchange identified in a small molecule screen increase airway surface liquid volume in cystic fibrosis. FASEB Journal, 2016, 30, 2187-2197.	0.2	47
10	Nanomolar-potency â€˜co-potentiatorâ€™ therapy for cystic fibrosis caused by a defined subset of minimal function CFTR mutants. Scientific Reports, 2019, 9, 17640.	1.6	46
11	Potentiators of Defective Î”F508â€“CFTR Gating that Do Not Interfere with Corrector Action. Molecular Pharmacology, 2015, 88, 791-799.	1.0	38
12	Affinity-matured â€˜aquaporumabâ€™ anti-aquaporin-4 antibody for therapy of seropositive neuromyelitis optica spectrum disorders. Neuropharmacology, 2020, 162, 107827.	2.0	32
13	High-Potency Phenylquinoxalinone Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Activators. Journal of Medicinal Chemistry, 2017, 60, 2401-2410.	2.9	27
14	Experimental Evaluation of Proposed Small-Molecule Inhibitors of Water Channel Aquaporin-1. Molecular Pharmacology, 2016, 89, 686-693.	1.0	23
15	A Small-molecule Screen Yields Idiotype-specific Blockers of Neuromyelitis Optica Immunoglobulin G Binding to Aquaporin-4. Journal of Biological Chemistry, 2012, 287, 36837-36844.	1.6	18
16	Diuresis and reduced urinary osmolality in rats produced by smallâ€molecule UTâ€Aâ€selective urea transport inhibitors. FASEB Journal, 2014, 28, 3878-3890.	0.2	18
17	Nanomolar-Potency Aminophenyl-1,3,5-triazine Activators of the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) Chloride Channel for Prosecretory Therapy of Dry Eye Diseases. Journal of Medicinal Chemistry, 2017, 60, 1210-1218.	2.9	16
18	Î”F508-CFTR correctors: Synthesis and evaluation of thiazole-tethered imidazolones, oxazoles, oxadiazoles, and thiadiazoles. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5840-5844.	1.0	15

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19	Structure-activity analysis of thiourea analogs as inhibitors of UT-A and UT-B urea transporters. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 1075-1080.	1.4	14
20	Discovery, synthesis and structureâ€“activity analysis of symmetrical 2,7-disubstituted fluorenones as urea transporter inhibitors. MedChemComm, 2015, 6, 1278-1284.	3.5	13
21	Î”F508-CFTR Modulator Screen Based on Cell Surface Targeting of a Chimeric Nucleotide Binding Domain 1 Reporter. SLAS Discovery, 2018, 23, 823-831.	1.4	5
22	Synthesis and evaluation of tetrahydropyrazolopyridine inhibitors of anion exchange protein SLC26A4 (pendrin). Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2119-2123.	1.0	1