

Richard Foster

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,737
citations

279778

23
h-index

289230

40
g-index

61
all docs

61
docs citations

61
times ranked

2636
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezo1 channels sense whole body physical activity to reset cardiovascular homeostasis and enhance performance. <i>Nature Communications</i> , 2017, 8, 350.	12.8	197
2	Orai1 and CRAC Channel Dependence of VEGF-Activated Ca ²⁺ Entry and Endothelial Tube Formation. <i>Circulation Research</i> , 2011, 108, 1190-1198.	4.5	172
3	Yoda1 analogue (Dooku1) which antagonizes Yoda1-evoked activation of Piezo1 and aortic relaxation. <i>British Journal of Pharmacology</i> , 2018, 175, 1744-1759.	5.4	119
4	Mechanically activated Piezo1 channels of cardiac fibroblasts stimulate p38 mitogen-activated protein kinase activity and interleukin-6 secretion. <i>Journal of Biological Chemistry</i> , 2019, 294, 17395-17408.	3.4	99
5	High-Risk Human Papillomavirus E5 Oncoprotein Displays Channel-Forming Activity Sensitive to Small-Molecule Inhibitors. <i>Journal of Virology</i> , 2012, 86, 5341-5351.	3.4	95
6	Picomolar, selective, and subtype-specific small-molecule inhibition of TRPC1/4/5 channels. <i>Journal of Biological Chemistry</i> , 2017, 292, 8158-8173.	3.4	77
7	Fibril structures of diabetes-related amylin variants reveal a basis for surface-templated assembly. <i>Nature Structural and Molecular Biology</i> , 2020, 27, 1048-1056.	8.2	71
8	Resistance mutations define specific antiviral effects for inhibitors of the hepatitis C virus p7 ion channel. <i>Hepatology</i> , 2011, 54, 79-90.	7.3	62
9	Structure-guided design affirms inhibitors of hepatitis C virus p7 as a viable class of antivirals targeting virion release. <i>Hepatology</i> , 2014, 59, 408-422.	7.3	56
10	Nanomolar potency and selectivity of a Ca ²⁺ release-activated Ca ²⁺ channel inhibitor against store-operated Ca ²⁺ entry and migration of vascular smooth muscle cells. <i>British Journal of Pharmacology</i> , 2011, 164, 382-393.	5.4	53
11	ESI-MS: A method for rapid analysis of protein aggregation and its inhibition by small molecules. <i>Methods</i> , 2016, 95, 62-69.	3.8	50
12	Targeting flavin-containing enzymes eliminates cancer stem cells (CSCs), by inhibiting mitochondrial respiration: Vitamin B2 (Riboflavin) in cancer therapy. <i>Aging</i> , 2017, 9, 2610-2628.	3.1	49
13	Scanning holographic microscopy with transverse resolution exceeding the Rayleigh limit and extended depth of focus. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2005, 22, 892.	1.5	43
14	Orai1 Channel Inhibition Preserves Left Ventricular Systolic Function and Normal Ca ²⁺ Handling After Pressure Overload. <i>Circulation</i> , 2020, 141, 199-216.	1.6	42
15	Targeting the ATP-dependent formation of herpesvirus ribonucleoprotein particle assembly as an antiviral approach. <i>Nature Microbiology</i> , 2017, 2, 16201.	13.3	38
16	Kallikrein directly interacts with and activates Factor IX, resulting in thrombin generation and fibrin formation independent of Factor XI. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	38
17	Immunological Responses to Total Hip Arthroplasty. <i>Journal of Functional Biomaterials</i> , 2017, 8, 33.	4.4	36
18	Mitoriboscins: Mitochondrial-based therapeutics targeting cancer stem cells (CSCs), bacteria and pathogenic yeast. <i>Oncotarget</i> , 2017, 8, 67457-67472.	1.8	36

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19	Na ⁺ entry through heteromeric TRPC4/C1 channels mediates (α ²)Englerin A-induced cytotoxicity in synovial sarcoma cells. <i>Scientific Reports</i> , 2017, 7, 16988.	3.3	33
20	Mitoketoscins: Novel mitochondrial inhibitors for targeting ketone metabolism in cancer stem cells (CSCs). <i>Oncotarget</i> , 2017, 8, 78340-78350.	1.8	31
21	The effect of calcium on potassium-induced depolarization of adrenal glomerulosa cells. <i>FEBS Letters</i> , 1982, 149, 253-256.	2.8	30
22	Piezo1 channel activation mimics high glucose as a stimulator of insulin release. <i>Scientific Reports</i> , 2019, 9, 16876.	3.3	29
23	Orai3 Surface Accumulation and Calcium Entry Evoked by Vascular Endothelial Growth Factor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1987-1994.	2.4	27
24	The potential of memory enhancement through modulation of perineuronal nets. <i>British Journal of Pharmacology</i> , 2019, 176, 3611-3621.	5.4	27
25	Design, synthesis and decoration of molecular scaffolds for exploitation in the production of alkaloid-like libraries. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2629-2635.	3.0	26
26	Alkyl-imino sugars inhibit the pro-oncogenic ion channel function of human papillomavirus (HPV) E5. <i>Antiviral Research</i> , 2018, 158, 113-121.	4.1	26
27	Tuning the rate of aggregation of hIAPP into amyloid using small-molecule modulators of assembly. <i>Nature Communications</i> , 2022, 13, 1040.	12.8	23
28	Exploitation of the Ugi [®] Reaction in the Synthesis of Libraries of Drug-Like Bicyclic Hydantoins. <i>Synthesis</i> , 2015, 47, 2391-2406.	2.3	21
29	Orai1 Ca ²⁺ Channel as a Therapeutic Target in Pathological Vascular Remodelling. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 653812.	3.7	19
30	Tonantzitlone is a nanomolar potency activator of transient receptor potential canonical 1/4/5 channels. <i>British Journal of Pharmacology</i> , 2018, 175, 3361-3368.	5.4	18
31	Identification of a small molecule inhibitor of Ebola virus genome replication and transcription using in silico screening. <i>Antiviral Research</i> , 2018, 156, 46-54.	4.1	14
32	Aminomethylhydroxylation of alkenes: Exploitation in the synthesis of scaffolds for small molecule libraries. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2736-2740.	3.0	13
33	Trivalent Gd-DOTA reagents for modification of proteins. <i>RSC Advances</i> , 2015, 5, 96194-96200.	3.6	9
34	Site-directed M2 proton channel inhibitors enable synergistic combination therapy for rimantadine-resistant pandemic influenza. <i>PLoS Pathogens</i> , 2020, 16, e1008716.	4.7	9
35	The G Protein Biased Small Molecule Apelin Agonist CMF-019 is Disease Modifying in Endothelial Cell Apoptosis In Vitro and Induces Vasodilatation Without Desensitisation In Vivo. <i>Frontiers in Pharmacology</i> , 2020, 11, 588669.	3.5	7
36	Progress toward a Glycoprotein VI Modulator for the Treatment of Thrombosis. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12213-12242.	6.4	5

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37	Metalloaminopeptidases of the Protozoan Parasite <i>Plasmodium falciparum</i> as Targets for the Discovery of Novel Antimalarial Drugs. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1763-1785.	6.4	5
38	Ion Channel Function and Cross-Species Determinants in Viral Assembly of Nonprimate Hepacivirus p7. <i>Journal of Virology</i> , 2016, 90, 5075-5089.	3.4	4
39	Inhibition of plasmin-mediated TAFI activation may affect development but not progression of abdominal aortic aneurysms. <i>PLoS ONE</i> , 2017, 12, e0177117.	2.5	4
40	Rationally derived inhibitors of hepatitis C virus (HCV) p7 channel activity reveal prospect for bimodal antiviral therapy. <i>ELife</i> , 2020, 9, .	6.0	4
41	A Comparative Assessment Study of Known Small-molecule GPVI Modulators. <i>ACS Medicinal Chemistry Letters</i> , 2022, 13, 171-181.	2.8	4
42	Novel interaction of properdin and coagulation factor XI: Crosstalk between complement and coagulation. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2022, 6, e12715.	2.3	4
43	A Classroom-Based Activity to Teach Students How to Apply Organic Chemistry Theory to Design Experiments. <i>Journal of Chemical Education</i> , 2021, 98, 515-520.	2.3	2
44	Vascular endothelial growth factor A evokes distinct calcium entry by promoting surface accumulation of Orai3 (1057.5). <i>FASEB Journal</i> , 2014, 28, 1057.5.	0.5	2
45	Significance of store operated calcium entry in human abdominal aortic aneurysm vascular smooth muscle cells (1057.3). <i>FASEB Journal</i> , 2014, 28, 1057.3.	0.5	0
46	Resistance of store-operated calcium entry to tumour microenvironment conditions and enhanced potency of Synta66 in colorectal adenocarcinoma cells (1057.4). <i>FASEB Journal</i> , 2014, 28, 1057.4.	0.5	0
47	Title is missing!. , 2020, 16, e1008716.		0
48	Title is missing!. , 2020, 16, e1008716.		0
49	Title is missing!. , 2020, 16, e1008716.		0
50	Title is missing!. , 2020, 16, e1008716.		0
51	Title is missing!. , 2020, 16, e1008716.		0
52	Title is missing!. , 2020, 16, e1008716.		0