

Richard Foster

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,737
citations

318942

23
h-index

325983

40
g-index

61
all docs

61
docs citations

61
times ranked

2878
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Comparative Assessment Study of Known Small-molecule GPVI Modulators. ACS Medicinal Chemistry Letters, 2022, 13, 171-181. | 1.3 | 4 |
| 2 | Tuning the rate of aggregation of hIAPP into amyloid using small-molecule modulators of assembly. Nature Communications, 2022, 13, 1040. | 5.8 | 23 |
| 3 | Novel interaction of properdin and coagulation factor XI: Crosstalk between complement and coagulation. Research and Practice in Thrombosis and Haemostasis, 2022, 6, e12715. | 1.0 | 4 |
| 4 | A Classroom-Based Activity to Teach Students How to Apply Organic Chemistry Theory to Design Experiments. Journal of Chemical Education, 2021, 98, 515-520. | 1.1 | 2 |
| 5 | Kallikrein directly interacts with and activates Factor IX, resulting in thrombin generation and fibrin formation independent of Factor XI. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 38 |
| 6 | Metalloaminopeptidases of the Protozoan Parasite <i>Plasmodium falciparum</i> as Targets for the Discovery of Novel Antimalarial Drugs. Journal of Medicinal Chemistry, 2021, 64, 1763-1785. | 2.9 | 5 |
| 7 | ORAI1 Ca ²⁺ Channel as a Therapeutic Target in Pathological Vascular Remodelling. Frontiers in Cell and Developmental Biology, 2021, 9, 653812. | 1.8 | 19 |
| 8 | Orai1 Channel Inhibition Preserves Left Ventricular Systolic Function and Normal Ca ²⁺ Handling After Pressure Overload. Circulation, 2020, 141, 199-216. | 1.6 | 42 |
| 9 | Site-directed M2 proton channel inhibitors enable synergistic combination therapy for rimantadine-resistant pandemic influenza. PLoS Pathogens, 2020, 16, e1008716. | 2.1 | 9 |
| 10 | Fibril structures of diabetes-related amylin variants reveal a basis for surface-templated assembly. Nature Structural and Molecular Biology, 2020, 27, 1048-1056. | 3.6 | 71 |
| 11 | Progress toward a Glycoprotein VI Modulator for the Treatment of Thrombosis. Journal of Medicinal Chemistry, 2020, 63, 12213-12242. | 2.9 | 5 |
| 12 | 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. Frontiers in Pharmacology, 2020, 11, 588669. | 1.6 | 7 |
| 13 | Rationally derived inhibitors of hepatitis C virus (HCV) p7 channel activity reveal prospect for bimodal antiviral therapy. ELife, 2020, 9, . | 2.8 | 4 |
| 14 | Title is missing!. , 2020, 16, e1008716. | | 0 |
| 15 | Title is missing!. , 2020, 16, e1008716. | | 0 |
| 16 | Title is missing!. , 2020, 16, e1008716. | | 0 |
| 17 | Title is missing!. , 2020, 16, e1008716. | | 0 |
| 18 | Title is missing!. , 2020, 16, e1008716. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Title is missing!. , 2020, 16, e1008716. | | 0 |
| 20 | Piezo1 channel activation mimics high glucose as a stimulator of insulin release. Scientific Reports, 2019, 9, 16876. | 1.6 | 29 |
| 21 | Mechanically activated Piezo1 channels of cardiac fibroblasts stimulate p38 mitogen-activated protein kinase activity and interleukin-6 secretion. Journal of Biological Chemistry, 2019, 294, 17395-17408. | 1.6 | 99 |
| 22 | The potential of memory enhancement through modulation of perineuronal nets. British Journal of Pharmacology, 2019, 176, 3611-3621. | 2.7 | 27 |
| 23 | Yoda1 analogue (<sc>D</sc>ooku1) which antagonizes <sc>Y</sc>odalâ€evoked activation of <sc>P</sc>iezo1 and aortic relaxation. British Journal of Pharmacology, 2018, 175, 1744-1759. | 2.7 | 119 |
| 24 | Alkyl-imino sugars inhibit the pro-oncogenic ion channel function of human papillomavirus (HPV) E5. Antiviral Research, 2018, 158, 113-121. | 1.9 | 26 |
| 25 | Tonantzitolone is a nanomolar potency activator of transient receptor potential canonical 1/4/5 channels. British Journal of Pharmacology, 2018, 175, 3361-3368. | 2.7 | 18 |
| 26 | Identification of a small molecule inhibitor of Ebola virus genome replication and transcription using in silico screening. Antiviral Research, 2018, 156, 46-54. | 1.9 | 14 |
| 27 | Picomolar, selective, and subtype-specific small-molecule inhibition of TRPC1/4/5 channels. Journal of Biological Chemistry, 2017, 292, 8158-8173. | 1.6 | 77 |
| 28 | Piezo1 channels sense whole body physical activity to reset cardiovascular homeostasis and enhance performance. Nature Communications, 2017, 8, 350. | 5.8 | 197 |
| 29 | Targeting the ATP-dependent formation of herpesvirus ribonucleoprotein particle assembly as an antiviral approach. Nature Microbiology, 2017, 2, 16201. | 5.9 | 38 |
| 30 | Na ⁺ entry through heteromeric TRPC4/C1 channels mediates (âˆ)Englerin A-induced cytotoxicity in synovial sarcoma cells. Scientific Reports, 2017, 7, 16988. | 1.6 | 33 |
| 31 | Immunological Responses to Total Hip Arthroplasty. Journal of Functional Biomaterials, 2017, 8, 33. | 1.8 | 36 |
| 32 | Mitoriboscins: Mitochondrial-based therapeutics targeting cancer stem cells (CSCs), bacteria and pathogenic yeast. Oncotarget, 2017, 8, 67457-67472. | 0.8 | 36 |
| 33 | Inhibition of plasmin-mediated TAFI activation may affect development but not progression of abdominal aortic aneurysms. PLoS ONE, 2017, 12, e0177117. | 1.1 | 4 |
| 34 | Targeting flavin-containing enzymes eliminates cancer stem cells (CSCs), by inhibiting mitochondrial respiration: Vitamin B2 (Riboflavin) in cancer therapy. Aging, 2017, 9, 2610-2628. | 1.4 | 49 |
| 35 | Mitoketoscins: Novel mitochondrial inhibitors for targeting ketone metabolism in cancer stem cells (CSCs). Oncotarget, 2017, 8, 78340-78350. | 0.8 | 31 |
| 36 | Ion Channel Function and Cross-Species Determinants in Viral Assembly of Nonprimate Hepacivirus p7. Journal of Virology, 2016, 90, 5075-5089. | 1.5 | 4 |

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|----|--|-----|-----------|
| 37 | ESI-IMS-MS: A method for rapid analysis of protein aggregation and its inhibition by small molecules. <i>Methods</i> , 2016, 95, 62-69. | 1.9 | 50 |
| 38 | Trivalent Gd-DOTA reagents for modification of proteins. <i>RSC Advances</i> , 2015, 5, 96194-96200. | 1.7 | 9 |
| 39 | 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. | 1.4 | 26 |
| 40 | Aminomethylhydroxylation of alkenes: Exploitation in the synthesis of scaffolds for small molecule libraries. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2736-2740. | 1.4 | 13 |
| 41 | Exploitation of the Ugi-Joullié Reaction in the Synthesis of Libraries of Drug-Like Bicyclic Hydantoins. <i>Synthesis</i> , 2015, 47, 2391-2406. | 1.2 | 21 |
| 42 | Orai3 Surface Accumulation and Calcium Entry Evoked by Vascular Endothelial Growth Factor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1987-1994. | 1.1 | 27 |
| 43 | 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. | 3.6 | 56 |
| 44 | 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. | 0.2 | 0 |
| 45 | 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. | 0.2 | 0 |
| 46 | 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. | 0.2 | 2 |
| 47 | High-Risk Human Papillomavirus E5 Oncoprotein Displays Channel-Forming Activity Sensitive to Small-Molecule Inhibitors. <i>Journal of Virology</i> , 2012, 86, 5341-5351. | 1.5 | 95 |
| 48 | 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. | 2.7 | 53 |
| 49 | Resistance mutations define specific antiviral effects for inhibitors of the hepatitis C virus p7 ion channel. <i>Hepatology</i> , 2011, 54, 79-90. | 3.6 | 62 |
| 50 | Orai1 and CRAC Channel Dependence of VEGF-Activated Ca ²⁺ Entry and Endothelial Tube Formation. <i>Circulation Research</i> , 2011, 108, 1190-1198. | 2.0 | 172 |
| 51 | 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. | 0.8 | 43 |
| 52 | The effect of calcium on potassium-induced depolarization of adrenal glomerulosa cells. <i>FEBS Letters</i> , 1982, 149, 253-256. | 1.3 | 30 |