Virpi Talman

List of Publications by Year
in descending order

36 papers	1,457 citations	516215 16 h-index	414034 32 g-index
39 all docs	39 docs citations	39 times ranked	2538 citing authors

#	Article	IF	Citations
1	Cardiac fibrosis in myocardial infarctionâ€"from repair and remodeling to regeneration. Cell and Tissue Research, 2016, 365, 563-581.	1.5	617
2	Cardiomyocyteâ€"Endothelial Cell Interactions in Cardiac Remodeling and Regeneration. Frontiers in Cardiovascular Medicine, 2018, 5, 101.	1.1	113
3	Drugâ€Loaded Multifunctional Nanoparticles Targeted to the Endocardial Layer of the Injured Heart Modulate Hypertrophic Signaling. Small, 2017, 13, 1701276.	5.2	82
4	Molecular Atlas of Postnatal Mouse Heart Development. Journal of the American Heart Association, 2018, 7, e010378.	1.6	65
5	Dualâ€Drug Delivery Using Dextranâ€Functionalized Nanoparticles Targeting Cardiac Fibroblasts for Cellular Reprogramming. Advanced Functional Materials, 2018, 28, 1705134.	7.8	60
6	Design, Synthesis, and Biological Activity of Isophthalic Acid Derivatives Targeted to the C1 Domain of Protein Kinase C. Journal of Medicinal Chemistry, 2009, 52, 3969-3981.	2.9	55
7	Protein Kinase C Activation as a Potential Therapeutic Strategy in Alzheimer's Disease: Is there a Role for Embryonic Lethal Abnormal Visionâ€like Proteins?. Basic and Clinical Pharmacology and Toxicology, 2016, 119, 149-160.	1.2	49
8	Cell adhesion and proliferation on common 3D printing materials used in stereolithography of microfluidic devices. Lab on A Chip, 2020, 20, 2372-2382.	3.1	49
9	Discovery of Small Molecules Targeting the Synergy of Cardiac Transcription Factors GATA4 and NKX2-5. Journal of Medicinal Chemistry, 2017, 60, 7781-7798.	2.9	46
10	Dual-peptide functionalized acetalated dextran-based nanoparticles for sequential targeting of macrophages during myocardial infarction. Nanoscale, 2020, 12, 2350-2358.	2.8	42
11	Current Status and Future Prospects of C1 Domain Ligands as Drug Candidates. Current Topics in Medicinal Chemistry, 2011, 11, 1370-1392.	1.0	39
12	The C1 domain-targeted isophthalate derivative HMI-1b11 promotes neurite outgrowth and GAP-43 expression through PKCÎ± activation in SH-SY5Y cells. Pharmacological Research, 2013, 73, 44-54.	3.1	28
13	Screening of natural compounds and their derivatives as potential protein kinase C inhibitors. Drug Development Research, 2004, 63, 76-87.	1.4	26
14	Stem cells are the most sensitive screening tool to identify toxicity of GATA4-targeted novel small-molecule compounds. Archives of Toxicology, 2018, 92, 2897-2911.	1.9	26
15	C1 Domain-Targeted Isophthalate Derivatives Induce Cell Elongation and Cell Cycle Arrest in HeLa Cells. PLoS ONE, 2011, 6, e20053.	1.1	24
16	Synthesis, Identification, and Structureâ€"Activity Relationship Analysis of GATA4 and NKX2-5 Proteinâ€"Protein Interaction Modulators. Journal of Medicinal Chemistry, 2019, 62, 8284-8310.	2.9	18
17	GATA4-targeted compound exhibits cardioprotective actions against doxorubicin-induced toxicity in vitro and in vivo: establishment of a chronic cardiotoxicity model using human iPSC-derived cardiomyocytes. Archives of Toxicology, 2020, 94, 2113-2130.	1.9	18
18	In Vitro Evaluation of the Therapeutic Effects of Dualâ€Drug Loaded Spermineâ€Acetalated Dextran Nanoparticles Coated with Tannic Acid for Cardiac Applications. Advanced Functional Materials, 2022, 32, 2109032.	7.8	13

#	Article	IF	Citations
19	Evidence for a role of MRCK in mediating HeLa cell elongation induced by the C1 domain ligand HMI-1a3. European Journal of Pharmaceutical Sciences, 2014, 55, 46-57.	1.9	10
20	Anticancer activity of the protein kinase C modulator HMI â€1a3 in 2D and 3D cell culture models of androgenâ€responsive and androgenâ€unresponsive prostate cancer. FEBS Open Bio, 2018, 8, 817-828.	1.0	9
21	Scaffold hopping from (5-hydroxymethyl) isophthalates to multisubstituted pyrimidines diminishes binding affinity to the C1 domain of protein kinase C. PLoS ONE, 2018, 13, e0195668.	1.1	8
22	Missing Selectivity of Targeted 4Î²-Phorbol Prodrugs Expected to be Potential Chemotherapeutics. ACS Medicinal Chemistry Letters, 2020, 11, 671-677.	1.3	8
23	Pharmacological Protein Kinase C Modulators Reveal a Pro-hypertrophic Role for Novel Protein Kinase C Isoforms in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Frontiers in Pharmacology, 2020, 11, 553852.	1.6	8
24	Conventional rigid 2D substrates cause complex contractile signals in monolayers of human induced pluripotent stem cellâ€derived cardiomyocytes. Journal of Physiology, 2022, 600, 483-507.	1.3	8
25	Stereoselective synthesis of (3-aminodecahydro-1,4-methanonaphthalen-2-yl)methanols targeted to the C1 domain of protein kinase C. Tetrahedron, 2011, 67, 8665-8670.	1.0	7
26	Distinct regulation of cardiac fibroblast proliferation and transdifferentiation by classical and novel protein kinase C isoforms: possible implications for new antifibrotic therapies. Molecular Pharmacology, 2020, 99, MOLPHARM-AR-2020-000094.	1.0	7
27	C1 domain-targeted isophthalates as protein kinase C modulators: structure-based design, structureâ€“activity relationships and biological activities. Biochemical Society Transactions, 2014, 42, 1543-1549.	1.6	6
28	Beyond the affinity for protein kinase C: exploring 2-phenyl-3-hydroxypropyl pivalate analogues as C1 domain-targeting ligands. MedChemComm, 2015, 6, 547-554.	3.5	6
29	Rigorous Computational Study Reveals What Docking Overlooks: Double Trouble from Membrane Association in Protein Kinase C Modulators. Journal of Chemical Information and Modeling, 2020, 60, 5624-5633.	2.5	6
30	Protein kinase A Mediated Effects of Protein kinase C Partial Agonist HMI-1a3 in Colorectal Cancer Cells. Journal of Pharmacology and Experimental Therapeutics, 2021, , JPET-AR-2021-000848.	1.3	2
31	Abstract 781: Doxorubicin-Induced Cardiotoxicity and Novel GATA4-Targeted Compounds. Circulation Research, 2019, 125, .	2.0	1
32	Application of Human Induced Pluripotent Stem Cell Technology for Cardiovascular Regenerative Pharmacology. Methods in Molecular Biology, 2021, , 1.	0.4	0
33	Identification of cardiomyocyte-enriched long non-coding RNAs as potential targets for induction of cardiac regeneration. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-3-46.	0.0	0
34	Stem cells are the most sensitive screening tool to identify toxicity of GATA4- targeted small-molecule compounds. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO4-9-32.	0.0	0
35	Effects of the C1 domain-targeted PKC modulator HMI-1a3 on the viability of colon cancer cells in culture. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-10-15.	0.0	0
36	Abstract 924: The Role of Protein Kinase C Isoforms in Cardiomyocyte Hypertrophy. Circulation Research, 2019, 125, .	2.0	0