John

List of Publications by Year
in descending order

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82 papers	2,417 citations	257450 24 h-index	223800 46 g-index
84 all docs	84 docs citations	84 times ranked	3784 citing authors

#	Article	IF	Citations
1	NKX2-5eGFP/w hESCs for isolation of human cardiac progenitors and cardiomyocytes. Nature Methods, 2011, 8, 1037-1040.	19.0	384
2	Embryonic stem cells as a source of models for drug discovery. Nature Reviews Drug Discovery, 2007, 6, 605-616.	46.4	167
3	Pulmonary administration of a doxorubicin-conjugated dendrimer enhances drug exposure to lung metastases and improves cancer therapy. Journal of Controlled Release, 2014, 183, 18-26.	9.9	158
4	A Targeted NKX2.1 Human Embryonic Stem Cell Reporter Line Enables Identification of Human Basal Forebrain Derivatives. Stem Cells, 2011, 29, 462-473.	3.2	99
5	Facile Oneâ€Step Micropatterning Using Photodegradable Gelatin Hydrogels for Improved Cardiomyocyte Organization and Alignment. Advanced Functional Materials, 2015, 25, 977-986.	14.9	98
6	NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network. Nature Communications, 2018, 9, 1373.	12.8	77
7	Elastomeric nanocomposites as cell delivery vehicles and cardiac support devices. Soft Matter, 2010, 6, 4715.	2.7	65
8	Novel drug targets for the pharmacotherapy of benign prostatic hyperplasia (BPH). British Journal of Pharmacology, 2011, 163, 891-907.	5.4	65
9	SIRPA, VCAM1 and CD34 identify discrete lineages during early human cardiovascular development. Stem Cell Research, 2014, 13, 172-179.	0.7	63
10	Efficiently Specified Ventral Midbrain Dopamine Neurons from Human Pluripotent Stem Cells Under Xeno-Free Conditions Restore Motor Deficits in Parkinsonian Rodents. Stem Cells Translational Medicine, 2017, 6, 937-948.	3.3	55
11	Pharmaceutical applications of embryonic stem cells. Advanced Drug Delivery Reviews, 2005, 57, 1918-1934.	13.7	54
12	Acute or Delayed Systemic Administration of Human Amnion Epithelial Cells Improves Outcomes in Experimental Stroke. Stroke, 2018, 49, 700-709.	2.0	53
13	Protein kinase G II-mediated proliferative effects in human cultured prostatic stromal cells. Cellular Signalling, 2004, 16, 253-261.	3.6	52
14	Methotrexate-Conjugated PEGylated Dendrimers Show Differential Patterns of Deposition and Activity in Tumor-Burdened Lymph Nodes after Intravenous and Subcutaneous Administration in Rats. Molecular Pharmaceutics, 2015, 12, 432-443.	4.6	51
15	Adrenomedullin and calcitonin gene-related peptide in the rat isolated kidney and in the anaesthetised rat: in vitro and in vivo effects. European Journal of Pharmacology, 1995, 280, 91-94.	3.5	41
16	Chronic stress and <scp>A</scp>lzheimer's disease: theâ€‰interplay between the hypothalamicâ€“pituitaryâ€“adrenal axis, genetics and microglia. Biological Reviews, 2021, 96, 2209-2228.	10.4	37
17	PEGylation Does Not Significantly Change the Initial Intravenous or Subcutaneous Pharmacokinetics or Lymphatic Exposure of Trastuzumab in Rats but Increases Plasma Clearance after Subcutaneous Administration. Molecular Pharmaceutics, 2015, 12, 794-809.	4.6	34
18	A PITX3 -EGFP Reporter Line Reveals Connectivity of Dopamine and Non-dopamine Neuronal Subtypes in Grafts Generated from Human Embryonic Stem Cells. Stem Cell Reports, 2017, 9, 868-882.	4.8	32

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19	Î²-Adrenoceptor-mediated inhibition of Î± 1 -adrenoceptor-mediated and field stimulation-induced contractile responses in the prostate of the guinea pig. British Journal of Pharmacology, 1997, 122, 1067-1074.	5.4	31
20	Electrical and neurotransmitter activity of mature neurons derived from mouse embryonic stem cells by Sox-1 lineage selection and directed differentiation. European Journal of Neuroscience, 2004, 20, 3209-3221.	2.6	31
21	Characterization of forebrain neurons derived from late-onset Huntington's disease human embryonic stem cell lines. Frontiers in Cellular Neuroscience, 2013, 7, 37.	3.7	31
22	In Vitro Maturation of Dopaminergic Neurons Derived from Mouse Embryonic Stem Cells: Implications for Transplantation. PLoS ONE, 2012, 7, e31999.	2.5	28
23	Three-dimensional differentiation of human pluripotent stem cell-derived neural precursor cells using tailored porous polymer scaffolds. Acta Biomaterialia, 2020, 101, 102-116.	8.3	26
24	Protein kinase G-induced activation of KATP channels reduces contractility of human prostate tissue. Prostate, 2006, 66, 377-385.	2.3	25
25	Protein kinase G activation of KATP channels in human-cultured prostatic stromal cells. Cellular Signalling, 2002, 14, 1023-1029.	3.6	24
26	P2X2, P2X4 and P2Y1 receptors elevate intracellular Ca²⁺ in mouse embryonic stem cellâ€derived GABAergic neurons. British Journal of Pharmacology, 2009, 158, 1922-1931.	5.4	24
27	Attenuated 5â€hydroxytryptamine receptorâ€mediated responses in aortae from streptozotocinâ€induced diabetic rats. British Journal of Pharmacology, 1994, 111, 370-376.	5.4	23
28	Directed Expression of Gata2, Mash1, and Foxa2 Synergize to Induce the Serotonergic Neuron Phenotype During In Vitro Differentiation of Embryonic Stem Cells. Stem Cells, 2011, 29, 928-939.	3.2	23
29	Lmx1a Allows Context-Specific Isolation of Progenitors of GABAergic or Dopaminergic Neurons During Neural Differentiation of Embryonic Stem Cells. Stem Cells, 2012, 30, 1349-1361.	3.2	23
30	PI3K activation in neural stem cells drives tumorigenesis which can be ameliorated by targeting the cAMP response element binding protein. Neuro-Oncology, 2018, 20, 1344-1355.	1.2	23
31	Effects of 5â€HTâ€receptor and Î±₂â€adrenoceptor ligands on the haemodynamic response to acute central hypovolaemia in conscious rabbits. British Journal of Pharmacology, 1993, 109, 37-47.	5.4	21
32	Increased Cardiomyocyte Alignment and Intracellular Calcium Transients Using Micropatterned and Drug-Releasing Poly(Glycerol Sebacate) Elastomers. ACS Biomaterials Science and Engineering, 2018, 4, 2494-2504.	5.2	21
33	Rat amylin mediates a pressor response in the anaesthetised rat: implications for the association between hypertension and diabetes mellitus. Diabetologia, 1997, 40, 256-261.	6.3	19
34	Testosterone- and phorbol ester-stimulated proliferation in human cultured prostatic stromal cells. Cellular Signalling, 2001, 13, 703-709.	3.6	18
35	Heterogeneous population of dopaminergic neurons derived from mouse embryonic stem cells: preliminary phenotyping based on receptor expression and function. European Journal of Neuroscience, 2007, 25, 1961-1970.	2.6	18
36	Phorbol ester-induced contractility and Ca2+ influx in human cultured prostatic stromal cells. Biochemical Pharmacology, 2002, 64, 385-392.	4.4	17

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37	Phosphorylation of the PKG substrate, vasodilator-stimulated phosphoprotein (VASP), in human cultured prostatic stromal cells. Nitric Oxide - Biology and Chemistry, 2007, 16, 10-17.	2.7	17
38	Synthesis and Pharmacological Evaluation of Dual Acting Antioxidant A_{2A} Adenosine Receptor Agonists. Journal of Medicinal Chemistry, 2012, 55, 3521-3534.	6.4	17
39	A2A adenosine receptor mediated potassium channel activation in rat epididymal smooth muscle. British Journal of Pharmacology, 2000, 130, 685-691.	5.4	16
40	Î±1 -Adrenoceptor effects mediated by protein kinase C Î± in human cultured prostatic stromal cells. British Journal of Pharmacology, 2003, 138, 218-224.	5.4	16
41	A1 and A2A adenosine receptor modulation of Î± 1 -adrenoceptor-mediated contractility in human cultured prostatic stromal cells. British Journal of Pharmacology, 2004, 141, 302-310.	5.4	16
42	Human pluripotent stem cell derived midbrain PITX3eGFP/w neurons: a versatile tool for pharmacological screening and neurodegenerative modeling. Frontiers in Cellular Neuroscience, 2015, 9, 104.	3.7	16
43	Modelling Lyssavirus Infections in Human Stem Cell-Derived Neural Cultures. Viruses, 2020, 12, 359.	3.3	16
44	Î±â€Adrenoceptor mediated responses of the cauda epididymis of the guineaâ€pig. British Journal of Pharmacology, 1996, 119, 1203-1210.	5.4	15
45	The effects of P2 purinoceptor agonists on the isolated portal vein of the guinea pig. European Journal of Pharmacology, 1996, 316, 229-236.	3.5	14
46	A Novel Highly Selective Adenosine A1 Receptor Agonist VCP28 Reduces Ischemia Injury in a Cardiac Cell Line and Ischemiaâ€“Reperfusion Injury in Isolated Rat Hearts at Concentrations That Do Not Affect Heart Rate. Journal of Cardiovascular Pharmacology, 2010, 56, 282-292.	1.9	14
47	Contractions of the Mouse Prostate Elicited by Acetylcholine Are Mediated by M₃ Muscarinic Receptors. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 870-877.	2.5	14
48	Current models of human prostate contractility. Clinical and Experimental Pharmacology and Physiology, 2005, 32, 797-804.	1.9	13
49	The Residual Nonadrenergic Contractile Response to Nerve Stimulation of the Mouse Prostate Is Mediated by Acetylcholine but Not ATP in a Comparison with the Mouse Vas Deferens. Journal of Pharmacology and Experimental Therapeutics, 2010, 335, 489-496.	2.5	13
50	CHARACTERIZATION OF BINDING SITES FOR [3H]-IDAZOXAN, [3H]-P-AMINOCLONIDINE AND [3H]-RAUWOLSCINE IN THE KIDNEY OF THE DOG. Clinical and Experimental Pharmacology and Physiology, 1994, 21, 649-658.	1.9	11
51	A1 adenosine receptor modulation of electrically-evoked contractions in the bisected vas deferens and cauda epididymis of the guinea-pig. British Journal of Pharmacology, 1998, 124, 964-970.	5.4	11
52	Saw palmetto is an indirectly acting sympathomimetic in the rat-isolated prostate gland. Prostate, 2006, 66, 115-123.	2.3	11
53	Î²2 and Î²3-adrenoceptor inhibition of Î±1-adrenoceptor-stimulated Ca2+ elevation in human cultured prostatic stromal cells. European Journal of Pharmacology, 2007, 570, 18-26.	3.5	11
54	Induced Pluripotent Stem Cellâ€“Derived Podocyte-Like Cells as Models for Assessing Mechanisms Underlying Heritable Disease Phenotype: Initial Studies Using Two Alport Syndrome Patient Lines Indicate Impaired Potassium Channel Activity. Journal of Pharmacology and Experimental Therapeutics, 2018, 367, 335-347.	2.5	11

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55	Neuropeptide Y (NPY) and peptide YY (PYY) effects in the epididymis of the guinea-pig: evidence of a pre-junctional PYY-selective receptor. British Journal of Pharmacology, 1997, 122, 1530-1536.	5.4	10
56	A1 and A2 adenosine receptor modulation of contractility in the cauda epididymis of the guinea-pig. British Journal of Pharmacology, 1998, 125, 570-576.	5.4	10
57	Endothelin-1 and angiotensin II modulate rate and contraction amplitude in a subpopulation of mouse embryonic stem cell-derived cardiomyocyte-containing bodies. Stem Cell Research, 2011, 6, 23-33.	0.7	10
58	A novel androgen signalling pathway uses dihydrotestosterone, but not testosterone, to activate the EGF receptor signalling cascade in prostate stromal cells. British Journal of Pharmacology, 2013, 170, 592-601.	5.4	10
59	Characterising the developmental profile of human embryonic stem cell-derived medium spiny neuron progenitors and assessing mature neuron function using a CRISPR-generated human DARPP-32 WT/eGFP-AMP reporter line. Neurochemistry International, 2017, 106, 3-13.	3.8	10
60	Compartmentalized microfluidic chambers enable long-term maintenance and communication between human pluripotent stem cell-derived forebrain and midbrain neurons. Lab on A Chip, 2021, 21, 4016-4030.	6.0	9
61	Midbrain and forebrain patterning delivers immunocytochemically and functionally similar populations of neuropeptide Y containing GABAergic neurons. Neurochemistry International, 2011, 59, 413-20.	3.8	8
62	?2Adrenoceptor- and Imidazoline-Preferring Binding Sites in the Dog Kidney. Annals of the New York Academy of Sciences, 1995, 763, 357-360.	3.8	7
63	Sex steroids modulate Î±1-adrenoceptor-stimulated Ca2+ elevation in human cultured prostatic stromal cells. Prostate, 2007, 67, 74-82.	2.3	7
64	Specification of murine ground state pluripotent stem cells to regional neuronal populations. Scientific Reports, 2017, 7, 16001.	3.3	7
65	Heterogeneity of Î±1-adrenoceptors in the guinea-pig uterus. Autonomic and Autacoid Pharmacology, 1993, 13, 305-314.	0.6	6
66	Î±2-Adrenoceptors in the guinea-pig uterus: heterogeneity in the circular and longitudinal smooth muscle layers. European Journal of Pharmacology, 1993, 250, 231-237.	3.5	6
67	A1-and A2-PURINOCEPTORS IN THE GUINEA-PIG UTERUS. Clinical and Experimental Pharmacology and Physiology, 1993, 20, 609-617.	1.9	6
68	Purinoceptor-mediated contractility of the perfused uterine vasculature of the guinea-pig: influence of oestradiol and pregnancy. Clinical and Experimental Pharmacology and Physiology, 2003, 30, 329-335.	1.9	6
69	?1- AND ?2-ADRENOCEPTORS OF THE CIRCULAR MYOMETRIUM FROM THE DIOESTROUS GUINEA-PIG. Clinical and Experimental Pharmacology and Physiology, 1988, 15, 695-701.	1.9	5
70	Androgens regulate adenylate cyclase activity and intracellular calcium in stromal cells derived from human prostate. Prostate, 2010, 70, 1222-1232.	2.3	5
71	Extended periods of neural induction and propagation of embryonic stem cell-derived neural progenitors with EGF and FGF2 enhances Lmx1a expression and neurogenic potential. Neurochemistry International, 2011, 59, 394-403.	3.8	5
72	Synthesis and Biological Evaluation of Adenosines with Heterobicyclic and Polycyclic N⁶â€Substituents as Adenosine A₁ Receptor Agonists. ChemMedChem, 2012, 7, 1191-1201.	3.2	5

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73	Gi-protein Î± -subunit mRNA antisense oligonucleotide inhibition of Gi-coupled receptor contractile activity in the epididymis of the guinea-pig. British Journal of Pharmacology, 1999, 127, 85-90.	5.4	4
74	Troubleshooting immunohistochemical labelling of proliferating cell nuclear antigen (PCNA) in cryocut tissue sections of mouse prostate. Journal of Pharmacological and Toxicological Methods, 2010, 61, 98-101.	0.7	3
75	DNA-Dependent Protein Kinase Is a Context Dependent Regulator of Lmx1a and Midbrain Specification. PLoS ONE, 2013, 8, e78759.	2.5	3
76	Zinc-finger Nuclease Enhanced Gene Targeting in Human Embryonic Stem Cells. Journal of Visualized Experiments, 2014, , e51764.	0.3	3
77	Nuclear Transporter IPO13 Is Central to Efficient Neuronal Differentiation. Cells, 2022, 11, 1904.	4.1	3
78	Comparing mouse and human pluripotent stem cell derived cardiac cells: Both systems have advantages for pharmacological and toxicological screening. Journal of Pharmacological and Toxicological Methods, 2015, 74, 17-25.	0.7	2
79	Inhibition of Î²-catenin dependent WNT signalling upregulates the transcriptional repressor NR0B1 and downregulates markers of an A9 phenotype in human embryonic stem cell-derived dopaminergic neurons: Implications for Parkinsonâ€™s disease. PLoS ONE, 2021, 16, e0261730.	2.5	2
80	SYSTEMIC STEM CELL IMPROVEMENT IN CARDIAC FUNCTION AFTER ISCHAEMIC INJURY: LEAPING FORWARD SLOWLY. Clinical and Experimental Pharmacology and Physiology, 2008, 35, 105-106.	1.9	1
81	Pluripotent stem cell-derived dopaminergic neurons as models of neurodegeneration. Future Neurology, 2013, 8, 649-661.	0.5	1
82	The potential of stem cells for 21st century neuroscience, II. Neurochemistry International, 2017, 106, 1-2.	3.8	0