

# Will J Costain

## List of Publications by Year in descending order

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35  
papers

585  
citations

623734

14  
h-index

610901

24  
g-index

36  
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36  
docs citations

36  
times ranked

828  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging Technologies for Delivery of Biotherapeutics and Gene Therapy Across the Bloodâ€‘Brain Barrier. <i>BioDrugs</i> , 2018, 32, 547-559.	4.6	64
2	Brain penetration, target engagement, and disposition of the bloodâ€‘brain barrierâ€‘crossing bispecific antibody antagonist of metabotropic glutamate receptor type 1. <i>FASEB Journal</i> , 2016, 30, 1927-1940.	0.5	61
3	DNA microarray analysis of striatal gene expression in symptomatic transgenic Huntington's mice (R6/2) reveals neuroinflammation and insulin associations. <i>Brain Research</i> , 2006, 1088, 176-186.	2.2	50
4	Modulation of Agonist Binding to Human Dopamine Receptor Subtypes by l-Prolyl-l-leucyl-glycinamide and a Peptidomimetic Analog. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 315, 1228-1236.	2.5	41
5	Design, Synthesis, and Dopamine Receptor Modulating Activity of Diketopiperazine Peptidomimetics of l-Prolyl-l-leucylglycinamide. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 3594-3600.	6.4	39
6	A new tool to assess ceramide bioactivity: 6-bromo-7-hydroxycoumarinyl-caged ceramide. <i>Chemical Communications</i> , 2011, 47, 9236.	4.1	33
7	DNA Microarray Analysis of Hippocampal Gene Expression Measured Twelve Hours after Hypoxia-Ischemia in the Mouse. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003, 23, 1195-1211.	4.3	32
8	Immediate-early gene response to methamphetamine, haloperidol, and quinolinic acid is not impaired in Huntington's disease transgenic mice. <i>Journal of Neuroscience Research</i> , 2002, 67, 372-378.	2.9	25
9	Cerebral Ischemia Causes Dysregulation of Synaptic Adhesion in Mouse Synaptosomes. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 99-110.	4.3	21
10	Pharmacological characterization of emerging synthetic cannabinoids in HEK293T cells and hippocampal neurons. <i>European Journal of Pharmacology</i> , 2016, 786, 234-245.	3.5	21
11	Modulation of agonist stimulated adenylyl cyclase and GTPase activity by l-pro-l-leu-glycinamide and its peptidomimetic analogue in rat striatal membranes. <i>Neuroscience Letters</i> , 1999, 269, 21-24.	2.1	19
12	Proteomic analysis of synaptosomal protein expression reveals that cerebral ischemia alters lysosomal Psp processing. <i>Proteomics</i> , 2010, 10, 3272-3291.	2.2	19
13	Modulatory effects of PLG and its peptidomimetics on haloperidol-induced catalepsy in rats. <i>Peptides</i> , 1999, 20, 761-767.	2.4	16
14	Alterations in inotropy, nitric oxide and cyclic GMP synthesis, protein phosphorylation and ADP-ribosylation in the endotoxin-treated rat myocardium and cardiomyocytes. <i>Molecular and Cellular Biochemistry</i> , 1996, 163-164, 305-318.	3.1	15
15	Cerebral ischemia induces neuronal expression of novel VL30 mouse retrotransposons bound to polyribosomes. <i>Brain Research</i> , 2006, 1094, 24-37.	2.2	12
16	Biochemical Characterization of a Polysialyltransferase from <i>Mannheimia haemolytica</i> A2 and Comparison to Other Bacterial Polysialyltransferases. <i>PLoS ONE</i> , 2013, 8, e69888.	2.5	12
17	l-Prolyl-l-leucyl-glycinamide and its peptidomimetic analog 3(R)-[(2(S)-pyrrolidylcarbonyl)amino]-2-oxo-1-pyrrolidineacetamide (PAOPA) attenuate haloperidol-induced c-fos expression in the striatum†. <i>Peptides</i> , 2000, 21, 301-308.	2.4	11
18	Effect of synthetic cannabinoids on spontaneous neuronal activity: Evaluation using Ca <sup>2+</sup> spiking and multi-electrode arrays. <i>European Journal of Pharmacology</i> , 2016, 786, 148-160.	3.5	11

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19	Role of skeletal muscle in mandible development. <i>Histology and Histopathology</i> , 2014, 29, 1377-94.	0.7	11
20	Differential display polymerase chain reaction reveals increased expression of striatal rat glia-derived nexin following chronic clozapine treatment. <i>Pharmacogenomics Journal</i> , 2004, 4, 379-387.	2.0	10
21	Analysis of the pharmacological properties of JWH-122 isomers and THJ-2201, RCS-4 and AB-CHMINACA in HEK293T cells and hippocampal neurons. <i>European Journal of Pharmacology</i> , 2018, 823, 96-104.	3.5	10
22	Role of skeletal muscle in motor neuron development. <i>Histology and Histopathology</i> , 2016, 31, 699-719.	0.7	10
23	PLG regulates hnRNP-L expression in the rat striatum and pre-frontal cortex: identification by ddPCR. <i>Peptides</i> , 2003, 24, 137-146.	2.4	8
24	Role of skeletal muscle in ear development. <i>Histology and Histopathology</i> , 2017, 32, 987-1000.	0.7	7
25	Introduction to Recent Advances in Cannabinoid Research. , 2019, , .		6
26	Synthesis and photochemical properties of PEGylated coumarin-caged ceramides for cell studies. <i>Chemistry and Physics of Lipids</i> , 2016, 194, 117-124.	3.2	4
27	NMR analysis of the correlation of metabolic changes in blood and cerebrospinal fluid in Alzheimer model male and female mice. <i>PLoS ONE</i> , 2021, 16, e0250568.	2.5	4
28	Electrophysiological- and Neuropharmacological-Based Benchmarking of Human Induced Pluripotent Stem Cell-Derived and Primary Rodent Neurons. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 259-277.	3.8	4
29	Comparison of S-nitrosoglutathione- and staurosporine-induced apoptosis in human neural cells. <i>Canadian Journal of Physiology and Pharmacology</i> , 2014, 92, 1001-1011.	1.4	3
30	Modulation of G Proteins in Rat Striatum by Neuroleptic Drugs and a Peptidomimetic Analog of Pro-Leu-Gly-NH <sub>2</sub> . , 1997, , 119-138.		2
31	E $\alpha$ -pressed $\beta$ -adrenoceptors in adult rat brown adipocytes are primarily of $\beta$ 1A subtype. <i>Canadian Journal of Physiology and Pharmacology</i> , 1996, 74, 234-240.	1.4	2
32	Immunoassay for Quantitative Detection of Antibody Transcytosis Across the Blood-Brain Barrier In Vitro. <i>Methods in Molecular Biology</i> , 2022, , 1.	0.9	1
33	Striated-for-smooth muscle replacement in the developing mouse esophagus. <i>Histology and Histopathology</i> , 2019, 34, 457-467.	0.7	1
34	Cerebral Ischemia Induced Proteomic Alterations: Consequences for the Synapse and Organelles. , 0, , .		0
35	Gene Arrays: A Practical Approach to Studying Stroke with Microarray. , 2007, , 387-408.		0