Gary Davidson

List of Publications by Year
in descending order

51 papers	5,424 citations	172457 29 h-index	189892 50 g-index
54 all docs	54 docs citations	54 times ranked	6646 citing authors

#	Article	IF	Citations
1	Kremen proteins are Dickkopf receptors that regulate Wnt/Î²-catenin signalling. Nature, 2002, 417, 664-667.	27.8	947
2	Rearrangements of the Cytoskeleton and Cell Contacts Induce Process Formation during Differentiation of Conditionally Immortalized Mouse Podocyte Cell Lines. Experimental Cell Research, 1997, 236, 248-258.	2.6	810
3	Wnt Induces LRP6 Signalosomes and Promotes Dishevelled-Dependent LRP6 Phosphorylation. Science, 2007, 316, 1619-1622.	12.6	774
4	Casein kinase 1 Î³ couples Wnt receptor activation to cytoplasmic signal transduction. Nature, 2005, 438, 867-872.	27.8	533
5	Cell Cycle Control of Wnt Receptor Activation. Developmental Cell, 2009, 17, 788-799.	7.0	238
6	Melatonin Receptors on Ovine Pars Tuberalis: Characterization and Autoradiographicai Localization. Journal of Neuroendocrinology, 1989, 1, 1-4.	2.6	173
7	Emerging links between CDK cell cycle regulators and Wnt signaling. Trends in Cell Biology, 2010, 20, 453-460.	7.9	143
8	Kremen proteins interact with Dickkopf1 to regulate anteroposterior CNS patterning. Development (Cambridge), 2002, 129, 5587-5596.	2.5	128
9	CD44 functions in Wnt signaling by regulating LRP6 localization and activation. Cell Death and Differentiation, 2015, 22, 677-689.	11.2	127
10	Melatonin Receptor Sites in the Syrian Hamster Brain and Pituitary. Localization and Characterization Using [125	]Iodomelatonin. Journal of Neuroendocrinology, 1989, 1, 315-320.	2.6	118
11	Guanine Nucleotides Regulate the Affinity of Melatonin Receptors on the Ovine Pars tuberalis. Neuroendocrinology, 1989, 50, 359-362.	2.5	116
12	MELATONIN INHIBITS CYCLIC AMP PRODUCTION IN CULTURED OVINE PARS TUBERALIS CELLS. Journal of Molecular Endocrinology, 1989, 3, R5-R8.	2.5	115
13	Cloning and expression of a new member of the melanocyte-stimulating hormone receptor family. Journal of Molecular Endocrinology, 1994, 12, 203-213.	2.5	94
14	Both Pertussis Toxin-Sensitive and Insensitive G-Proteins Link Melatonin Receptor to Inhibition of Adenylate Cyclase in the Ovine Pars Tuberalis. Journal of Neuroendocrinology, 1990, 2, 773-776.	2.6	86
15	Dkk1 and noggin cooperate in mammalian head induction. Genes and Development, 2003, 17, 2239-2244.	5.9	84
16	TRIM25 has a dual function in the p53/Mdm2 circuit. Oncogene, 2015, 34, 5729-5738.	5.9	71
17	Formin defines a large family of morphoregulatory genes and functions in establishment of the polarising region. Cell and Tissue Research, 1999, 296, 85-93.	2.9	62
18	In-vivo analysis of formation and endocytosis of the Wnt/Î²-Catenin signaling complex in zebrafish embryos. Journal of Cell Science, 2014, 127, 3970-82.	2.0	61

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19	A biomimetic lipid library for gene delivery through thiol-yne click chemistry. Biomaterials, 2012, 33, 8160-8166.	11.4	53
20	Melatonin Regulates the Synthesis and Secretion of Several Proteins by Pars Tuberalis Cells of the Ovine Pituitary. Journal of Neuroendocrinology, 1992, 4, 557-563.	2.6	44
21	Assembly of Multiâ€Spheroid Cellular Architectures by Programmable Droplet Merging. Advanced Materials, 2021, 33, e2006434.	21.0	42
22	Ultrastructure of melatonin-responsive cells in the ovine pars tuberalis. Cell and Tissue Research, 1991, 263, 529-534.	2.9	41
23	Functional interactions between anthrax toxin receptors and the WNT signalling protein LRP6. Cellular Microbiology, 2008, 10, 2509-2519.	2.1	38
24	Melatonin Receptors Couple Through a Cholera Toxin-Sensitive Mechanism to Inhibit Cyclic AMP in the Ovine Pituitary. Journal of Neuroendocrinology, 1995, 7, 361-369.	2.6	37
25	Wnt3 and Wnt3a are required for induction of the mid-diencephalic organizer in the caudal forebrain. Neural Development, 2012, 7, 12.	2.4	37
26	Intracellular signalling in the ovine pars tuberalis: an investigation using aluminium fluoride and melatonin. Journal of Molecular Endocrinology, 1991, 7, 137-144.	2.5	36
27	Tyrosine phosphorylation of <scp>LRP</scp>6 by Src and Fer inhibits Wnt/Î²â€catenin signalling. EMBO Reports, 2014, 15, 1254-1267.	4.5	34
28	Phospholipases and melatonin signal transduction in the ovine pars tuberalis. Molecular and Cellular Endocrinology, 1994, 99, 73-79.	3.2	31
29	Interaction of Forskolin and Melatonin on Cyclic AMP Generation in Pars Tuberalis Cells of Ovine Pituitary. Journal of Neuroendocrinology, 1991, 3, 497-501.	2.6	29
30	Dual-color dual-focus line-scanning FCS for quantitative analysis of receptor-ligand interactions in living specimens. Scientific Reports, 2015, 5, 10149.	3.3	28
31	Measuring ligand-cell surface receptor affinities with axial line-scanning fluorescence correlation spectroscopy. ELife, 2020, 9, .	6.0	27
32	eGFP-tagged Wnt-3a enables functional analysis of Wnt trafficking and signaling and kinetic assessment of Wnt binding to full-length Frizzled. Journal of Biological Chemistry, 2020, 295, 8759-8774.	3.4	26
33	p72, a Marker Protein for Melatonin Action in Ovine Pars tuberalis Cells: Its Regulation by Protein Kinase A and Protein Kinase C and Differential Secretion Relative to Prolactin. Neuroendocrinology, 1994, 59, 325-335.	2.5	24
34	Combinatorial Synthesis and High-Throughput Screening of Alkyl Amines for Nonviral Gene Delivery. Bioconjugate Chemistry, 2013, 24, 1543-1551.	3.6	23
35	Neuropeptide Y (NPY) Innervation of the Ovine Pineal Gland. Journal of Pineal Research, 1989, 7, 345-353.	7.4	18
36	Mel 1a Melatonin Receptor Expression Is Regulated by Protein Kinase C and an Additional Pathway Addressed by the Protein Kinase C Inhibitor Ro 31â€“8220 in Ovine Pars Tuberalis Cells*. Endocrinology, 1998, 139, 163-171.	2.8	18

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37	The cell cycle and Wnt. Cell Cycle, 2010, 9, 1667-1668.	2.6	17
38	ScreenFect A: an efficient and low toxic liposome for gene delivery to mesenchymal stem cells. International Journal of Pharmaceutics, 2015, 488, 1-11.	5.2	17
39	LRPs in WNT Signalling. Handbook of Experimental Pharmacology, 2021, 269, 45-73.	1.8	17
40	Fam83F induces p53 stabilisation and promotes its activity. Cell Death and Differentiation, 2019, 26, 2125-2138.	11.2	16
41	Quantitative Profiling of WNT-3A Binding to All Human Frizzled Paralogues in HEK293 Cells by NanoBiT/BRET Assessments. ACS Pharmacology and Translational Science, 2021, 4, 1235-1245.	4.9	15
42	Evidence for Dual Adrenergic Receptor Regulation of Ovine Pineal Function. Journal of Pineal Research, 1989, 7, 175-183.	7.4	14
43	Differential regulation of melatonin receptors in sheep, chicken and lizard brains by cholera and pertussis toxins and guanine nucleotides. Neurochemistry International, 1996, 28, 259-269.	3.8	14
44	Development of new self-assembled cationic amino liposomes for efficient gene delivery. Biomaterials Science, 2020, 8, 3021-3025.	5.4	13
45	Single-Tailed Lipidoids Enhance the Transfection Activity of Their Double-Tailed Counterparts. ACS Combinatorial Science, 2016, 18, 43-50.	3.8	9
46	Cell-based high-throughput screening of cationic polymers for efficient DNA and siRNA delivery. Acta Biomaterialia, 2020, 115, 410-417.	8.3	8
47	Expression screening using a Medaka cDNA library identifies evolutionarily conserved regulators of the p53/Mdm2 pathway. BMC Biotechnology, 2015, 15, 92.	3.3	5
48	A Practical Design Approach including Resistance Predictions for Medium-speed Catamarans. Ship Technology Research, 2013, 60, 4-12.	2.5	4
49	Combinatorial synthesis and high throughput screening of lipidoids for gene delivery. Journal of Controlled Release, 2015, 213, e134.	9.9	4
50	In vivo analysis of formation and endocytosis of the Wnt/Î²-Catenin signaling complex in zebrafish embryos. Development (Cambridge), 2014, 141, e1907-e1907.	2.5	2
51	Study of Receptor-Ligand Interactions in Living Specimens by using Dual-Color Dual-Focus Line-Scanning FCS. Biophysical Journal, 2015, 108, 324a.	0.5	0