Angus M Macnicol

List of Publications by Year
in descending order

54 papers	1,558 citations	304743 22 h-index	315739 38 g-index
55 all docs	55 docs citations	55 times ranked	1364 citing authors

#	Article	IF	Citations
1	Raf-1 kinase is essential for early Xenopus development and mediates the induction of mesoderm by FGF. Cell, 1993, 73, 571-583.	28.9	205
2	Musashi regulates the temporal order of mRNA translation during Xenopus oocyte maturation. EMBO Journal, 2006, 25, 2792-2801.	7.8	157
3	The Importance of Leptin to Reproduction. Endocrinology, 2021, 162, .	2.8	96
4	Cytoplasmic Polyadenylation Element (CPE)- and CPE-binding Protein (CPEB)-independent Mechanisms Regulate Early Class Maternal mRNA Translational Activation in Xenopus Oocytes. Journal of Biological Chemistry, 2004, 279, 17650-17659.	3.4	94
5	The Mitogen-Activated Protein Kinase Signaling Pathway Stimulates Mos mRNA Cytoplasmic Polyadenylation during <i>Xenopus</i> Oocyte Maturation. Molecular and Cellular Biology, 1999, 19, 1990-1999.	2.3	80
6	Evidence That G-quadruplex DNA Accumulates in the Cytoplasm and Participates in Stress Granule Assembly in Response to Oxidative Stress. Journal of Biological Chemistry, 2016, 291, 18041-18057.	3.4	71
7	Context-dependent regulation of Musashi-mediated mRNA translation and cell cycle regulation.. Cell Cycle, 2011, 10, 39-44.	2.6	68
8	A novel regulatory element determines the timing of Mos mRNA translation during Xenopus oocyte maturation. EMBO Journal, 2002, 21, 2798-2806.	7.8	60
9	The Temporal Control of Wee1 mRNA Translation during Xenopus Oocyte Maturation Is Regulated by Cytoplasmic Polyadenylation Elements within the 3â€²-Untranslated Region. Developmental Biology, 2000, 227, 706-719.	2.0	54
10	Enforcing temporal control of maternal mRNA translation during oocyte cell-cycle progression. EMBO Journal, 2010, 29, 387-397.	7.8	52
11	Disruption of the 14-3-3 Binding Site within the B-Raf Kinase Domain Uncouples Catalytic Activity from PC12 Cell Differentiation. Journal of Biological Chemistry, 2000, 275, 3803-3809.	3.4	47
12	Leptin Regulation of Gonadotrope Gonadotropin-Releasing Hormone Receptors As a Metabolic Checkpoint and Gateway to Reproductive Competence. Frontiers in Endocrinology, 2017, 8, 367.	3.5	46
13	Musashi Protein-directed Translational Activation of Target mRNAs Is Mediated by the Poly(A) Polymerase, Germ Line Development Defective-2. Journal of Biological Chemistry, 2014, 289, 14239-14251.	3.4	43
14	Function and regulation of the mammalian Musashi mRNA translational regulator. Biochemical Society Transactions, 2008, 36, 528-530.	3.4	35
15	Developmental timing of mRNA translationâ€"integration of distinct regulatory elements. Molecular Reproduction and Development, 2010, 77, 662-669.	2.0	35
16	Identification and characterization of the gene encoding human cytoplasmic polyadenylation element binding protein. Gene, 2001, 263, 113-120.	2.2	31
17	Musashi interaction with poly(A)-binding protein is required for activation of target mRNA translation. Journal of Biological Chemistry, 2019, 294, 10969-10986.	3.4	31
18	Ringo/Cyclin-dependent Kinase and Mitogen-activated Protein Kinase Signaling Pathways Regulate the Activity of the Cell Fate Determinant Musashi to Promote Cell Cycle Re-entry in Xenopus Oocytes. Journal of Biological Chemistry, 2012, 287, 10639-10649.	3.4	30

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19	A novel mRNA 3â€² untranslated region translational control sequence regulates Xenopus Wee1 mRNA translation. Developmental Biology, 2008, 317, 454-466.	2.0	27
20	Xenopus laevis zygote arrest 2 (zar2) encodes a zinc finger RNA-binding protein that binds to the translational control sequence in the maternal Wee1 mRNA and regulates translation. Developmental Biology, 2012, 369, 177-190.	2.0	25
21	Autoregulation of Musashi1 mRNA translation during Xenopus oocyte maturation. Molecular Reproduction and Development, 2012, 79, 553-563.	2.0	25
22	Neural stem and progenitor cell fate transition requires regulation of Musashi1 function. BMC Developmental Biology, 2015, 15, 15.	2.1	25
23	Efficient Translation of Dnmt1 Requires Cytoplasmic Polyadenylation and Musashi Binding Elements. PLoS ONE, 2014, 9, e88385.	2.5	23
24	pXen, a utility vector for the expression of GST-fusion proteins in Xenopus laevis oocytes and embryos. Gene, 1997, 196, 25-29.	2.2	22
25	Association of Gnrhr mRNA With the Stem Cell Determinant Musashi: A Mechanism for Leptin-Mediated Modulation of GnRHR Expression. Endocrinology, 2018, 159, 883-894.	2.8	22
26	Mos 3â€² UTR regulatory differences underlie speciesâ€specific temporal patterns of Mos mRNA cytoplasmic polyadenylation and translational recruitment during oocyte maturation. Molecular Reproduction and Development, 2008, 75, 1258-1268.	2.0	20
27	Molecular Mechanisms of Pituitary Cell Plasticity. Frontiers in Endocrinology, 2020, 11, 656.	3.5	20
28	Heck products of parthenolide and melampomagnolide-B as anticancer modulators that modify cell cycle progression. European Journal of Medicinal Chemistry, 2014, 85, 517-525.	5.5	18
29	A Sex-Dependent, Tropic Role for Leptin in the Somatotrope as a Regulator of POU1F1 and POU1F1-Dependent Hormones. Endocrinology, 2016, 157, 3958-3971.	2.8	18
30	Evasion of regulatory phosphorylation by an alternatively spliced isoform of Musashi2. Scientific Reports, 2017, 7, 11503.	3.3	16
31	Metabolic signalling to somatotrophs: Transcriptional and postâ€transcriptional mediators. Journal of Neuroendocrinology, 2020, 32, e12883.	2.6	12
32	Heterocyclic aminoparthenolide derivatives modulate G2-M cell cycle progression during Xenopus oocyte maturation. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1963-1967.	2.2	10
33	Functional Integration of mRNA Translational Control Programs. Biomolecules, 2015, 5, 1580-1599.	4.0	9
34	Control of the Anterior Pituitary Cell Lineage Regulator POU1F1 by the Stem Cell Determinant Musashi. Endocrinology, 2021, 162, .	2.8	9
35	Single and double modified salinomycin analogs target stem-like cells in 2D and 3D breast cancer models. Biomedicine and Pharmacotherapy, 2021, 141, 111815.	5.6	7
36	Post-Transcriptional Regulation of Gnrhr: A Checkpoint for Metabolic Control of Female Reproduction. International Journal of Molecular Sciences, 2021, 22, 3312.	4.1	4

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37	Sex-specific changes in postnatal GH and PRL secretion in somatotrope LEPR-null mice. Journal of Endocrinology, 2018, 238, 221-230.	2.6	3
38	ELAVL1 Elevates Insights: The Ups and Downs of Regulated mRNA Translation in the Control of Gonadotropin Release. Endocrinology, 2019, 160, 2466-2468.	2.8	2
39	Sex differences in somatotrope response to fasting: biphasic responses in male mice. Journal of Endocrinology, 2020, 247, 213-224.	2.6	1
40	Musashi as a Regulator of the Follicle-Stimulating Hormone in the Gonadotropes. Journal of the Endocrine Society, 2021, 5, A545-A545.	0.2	0
41	The Musashi1 RNA-Binding Protein Functions as a Leptin-Regulated Enforcer of Pituitary Cell Fate and Hormone Production. Journal of the Endocrine Society, 2021, 5, A654-A654.	0.2	0
42	The Cell Fate Determinant Musashi Is Controlled Through Dynamic Protein:Protein Interactions. Journal of the Endocrine Society, 2021, 5, A555-A555.	0.2	0
43	Mild Maternal Undernutrition Results in a Premature Neonatal Leptin Surge that Promotes Resistance in Male Offspring to a High Fat Diet. Journal of the Endocrine Society, 2021, 5, A544-A545.	0.2	0
44	SAT-417 The Gonadotrope Leptin Signal Is Critical for the Early-Morning Estrus Rise in FSH in Female Mice. Journal of the Endocrine Society, 2019, 3, .	0.2	0
45	SAT-406 Deletion of Musashi in Gonadotropes Leads to Increased GnRHR Protein Levels and Gonadotrope Dysfunction. Journal of the Endocrine Society, 2019, 3, .	0.2	0
46	OR24-3 Persistence of Progenitor Cell Markers Following the Selective Ablation of Musashi in Somatotropes. Journal of the Endocrine Society, 2019, 3, .	0.2	0
47	SAT-292 Musashi: A Novel Regulator of the Gonadotrope Transcriptome. Journal of the Endocrine Society, 2020, 4, .	0.2	0
48	Somatotrope Responses to Acute and Prolonged Loss of Leptin Signaling. FASEB Journal, 2020, 34, 1-1.	0.5	0
49	Novel Salinomycin Analogs Show Improved Selectivity Towards Breast Cancer Stem Cells. FASEB Journal, 2020, 34, 1-1.	0.5	0
50	SAT-284 Musashi Exerts Translational Control Within Anterior Pituitary Cells of the POU1F1 Lineage. Journal of the Endocrine Society, 2020, 4, .	0.2	0
51	SAT-287 Mild Perinatal Undernutrition Results in Underweight Pups and a Premature Neonatal Leptin Surge. Journal of the Endocrine Society, 2020, 4, .	0.2	0
52	Leptin: A Metabolic Signal for the Differentiation of Pituitary Cells. , 0, , .		0
53	410 Mild Maternal Undernutrition Results in a Premature Neonatal Leptin Surge and Resistance in Male Offspring to a High Fat Diet. Journal of Clinical and Translational Science, 2022, 6, 79-79.	0.6	0
54	Monensin and its analogues show antiâ€glioblastoma activity in an organoid model of cancer. FASEB Journal, 2022, 36, .	0.5	0