Marco Conti

List of Publications by Year
in descending order

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82	9,951	53794 45	88630 70
papers	citations	h-index	g-index

87	87	87	7586
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biochemistry and Physiology of Cyclic Nucleotide Phosphodiesterases: Essential Components in Cyclic Nucleotide Signaling. Annual Review of Biochemistry, 2007, 76, 481-511.	11.1	1,060
2	EGF-Like Growth Factors As Mediators of LH Action in the Ovulatory Follicle. Science, 2004, 303, 682-684.	12.6	895
3	Targeting of Cyclic AMP Degradation to beta 2-Adrenergic Receptors by beta -Arrestins. Science, 2002, 298, 834-836.	12.6	476
4	Phosphodiesterase 4D Deficiency in the Ryanodine-Receptor Complex Promotes Heart Failure and Arrhythmias. Cell, 2005, 123, 25-35.	28.9	453
5	Cyclic AMP-specific PDE4 Phosphodiesterases as Critical Components of Cyclic AMP Signaling. Journal of Biological Chemistry, 2003, 278, 5493-5496.	3.4	429
6	Phosphorylation and Activation of a cAMP-specific Phosphodiesterase by the cAMP-dependent Protein Kinase. Journal of Biological Chemistry, 1996, 271, 16526-16534.	3.4	375
7	Novel signaling mechanisms in the ovary during oocyte maturation and ovulation. Molecular and Cellular Endocrinology, 2012, 356, 65-73.	3.2	326
8	Luteinizing Hormone-Dependent Activation of the Epidermal Growth Factor Network Is Essential for Ovulation. Molecular and Cellular Biology, 2007, 27, 1914-1924.	2.3	305
9	Role of the Epidermal Growth Factor Network in Ovarian Follicles. Molecular Endocrinology, 2006, 20, 715-723.	3.7	303
10	Role of cyclic nucleotide signaling in oocyte maturation. Molecular and Cellular Endocrinology, 2002, 187, 153-159.	3.2	286
11	Cyclic GMP Signaling Is Involved in the Luteinizing Hormone-Dependent Meiotic Maturation of Mouse Oocytes1. Biology of Reproduction, 2009, 81, 595-604.	2.7	277
12	Genome-wide analysis of translation reveals a critical role for deleted in azoospermia-like (Dazl) at the oocyte-to-zygote transition. Genes and Development, 2011, 25, 755-766.	5.9	224
13	Acquisition of oocyte competence to develop as an embryo: integrated nuclear and cytoplasmic events. Human Reproduction Update, 2018, 24, 245-266.	10.8	208
14	Cyclic nucleotide phosphodiesterase 3Aâ€“deficient mice as a model of female infertility. Journal of Clinical Investigation, 2004, 114, 196-205.	8.2	203
15	Wee1B Is an Oocyte-Specific Kinase Involved in the Control of Meiotic Arrest in the Mouse. Current Biology, 2005, 15, 1670-1676.	3.9	194
16	Luteinizing Hormone Signaling in Preovulatory Follicles Involves Early Activation of the Epidermal Growth Factor Receptor Pathway. Molecular Endocrinology, 2008, 22, 924-936.	3.7	182
17	Functional selectivity of GPCR-directed drug action through location bias. Nature Chemical Biology, 2017, 13, 799-806.	8.0	181
18	The G-protein-coupled receptors GPR3 and GPR12 are involved in cAMP signaling and maintenance of meiotic arrest in rodent oocytes. Developmental Biology, 2005, 287, 249-261.	2.0	175

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19	Specificity of the Cyclic Adenosine 3â€²,5â€²-Monophosphate Signal in Granulosa Cell Function. Biology of Reproduction, 2002, 67, 1653-1661.	2.7	172
20	International Union of Basic and Clinical Pharmacology. CI. Structures and Small Molecule Modulators of Mammalian Adenylyl Cyclases. Pharmacological Reviews, 2017, 69, 93-139.	16.0	149
21	Hira-Mediated H3.3 Incorporation Is Required for DNA Replication and Ribosomal RNA Transcription in the Mouse Zygote. Developmental Cell, 2014, 30, 268-279.	7.0	143
22	Wee1B, Myt1, and Cdc25 function in distinct compartments of the mouse oocyte to control meiotic resumption. Journal of Cell Biology, 2010, 188, 199-207.	5.2	141
23	Rodent oocytes express an active adenylyl cyclase required for meiotic arrest. Developmental Biology, 2003, 258, 385-396.	2.0	139
24	Role of Phosphodiesterase Type 3A in Rat Oocyte Maturation1. Biology of Reproduction, 2001, 65, 1444-1451.	2.7	138
25	PDE4D plays a critical role in the control of airway smooth muscle contraction. FASEB Journal, 2003, 17, 1831-1841.	0.5	128
26	Somatic cells regulate maternal mRNA translation and developmental competence of mouse oocytes. Nature Cell Biology, 2013, 15, 1415-1423.	10.3	128
27	Histone variant H3.3 maintains a decondensed chromatin state essential for mouse preimplantation development. Development (Cambridge), 2013, 140, 3624-3634.	2.5	115
28	Cyclic AMP compartments and signaling specificity: Role of cyclic nucleotide phosphodiesterases. Journal of General Physiology, 2014, 143, 29-38.	1.9	109
29	Protein kinase B/Akt phosphorylation of PDE3A and its role in mammalian oocyte maturation. EMBO Journal, 2006, 25, 5716-5725.	7.8	105
30	Phosphodiesterase 4B in the cardiac L-type Ca2+ channel complex regulates Ca2+ current and protects against ventricular arrhythmias in mice. Journal of Clinical Investigation, 2011, 121, 2651-2661.	8.2	105
31	Protein Tyrosine Kinase Wee1B Is Essential for Metaphase II Exit in Mouse Oocytes. Science, 2011, 332, 462-465.	12.6	103
32	Epidermal Growth Factor-Like Growth Factors in the Follicular Fluid: Role in Oocyte Development and Maturation. Seminars in Reproductive Medicine, 2009, 27, 052-061.	1.1	101
33	Specific expression of soluble adenylyl cyclase in male germ cells. , 2000, 56, 6-11.		92
34	Genetic Dissection of Epidermal Growth Factor Receptor Signaling during Luteinizing Hormone-Induced Oocyte Maturation. PLoS ONE, 2011, 6, e21574.	2.5	89
35	Role of cyclic nucleotide phosphodiesterases in resumption of meiosis1A recently proposed nomenclature for the PDE isoforms was used throughout this review. According to this nomenclature, the Arabic number indicates the family of phosphodiesterase, while the capital letter refers to the gene within the family (i.e. PDE3A=type 3 PDE, gene A).1. Molecular and Cellular Endocrinology, 1998, 145, 9-14.	3.2	83
36	Protein Kinase B/Akt Induces Resumption of Meiosis in Xenopus Oocytes. Journal of Biological Chemistry, 1998, 273, 18705-18708.	3.4	78

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37	DAZL and CPEB1 regulate mRNA translation synergistically during oocyte maturation. Journal of Cell Science, 2016, 129, 1271-82.	2.0	75
38	Phosphoinositide 3-Kinase Î³ Protects Against Catecholamine-Induced Ventricular Arrhythmia Through Protein Kinase Aâ€“Mediated Regulation of Distinct Phosphodiesterases. Circulation, 2012, 126, 2073-2083.	1.6	74
39	Genome-wide analysis reveals a switch in the translational program upon oocyte meiotic resumption. Nucleic Acids Research, 2020, 48, 3257-3276.	14.5	68
40	A CaMKII/PDE4D negative feedback regulates cAMP signaling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2023-2028.	7.1	65
41	Hormonal Regulation of 3â€²,5â€²-Adenosine Monophosphate Phosphodiesterases in Cultured Rat Granulosa Cells*. Endocrinology, 1984, 114, 2361-2368.	2.8	60
42	Phosphodiesterase Regulation Is Critical for the Differentiation and Pattern of Gene Expression in Granulosa Cells of the Ovarian Follicle. Molecular Endocrinology, 2003, 17, 1117-1130.	3.7	60
43	A novel loss-of-function mutation in Npr2 clarifies primary role in female reproduction and reveals a potential therapy for acromesomelic dysplasia, Maroteaux type. Human Molecular Genetics, 2013, 22, 345-357.	2.9	60
44	Maternal mRNAs with distinct 3â€² UTRs define the temporal pattern of Ccnb1 synthesis during mouse oocyte meiotic maturation. Genes and Development, 2017, 31, 1302-1307.	5.9	57
45	Multiple Pathways Mediate Luteinizing Hormone Regulation of cGMP Signaling in the Mouse Ovarian Follicle1. Biology of Reproduction, 2014, 91, 9.	2.7	52
46	Cyclin B2 is required for progression through meiosis in mouse oocytes. Development (Cambridge), 2019, 146, .	2.5	50
47	Amphiregulin promotes the maturation of oocytes isolated from the small antral follicles of the rhesus macaque. Human Reproduction, 2012, 27, 2430-2437.	0.9	44
48	Inactivation of Multidrug Resistance Proteins Disrupts Both Cellular Extrusion and Intracellular Degradation of cAMP. Molecular Pharmacology, 2011, 80, 281-293.	2.3	42
49	Protein kinase B/Akt is essential for the insulin- but not progesterone-stimulated resumption of meiosis in Xenopus oocytes. Biochemical Journal, 2003, 369, 227-238.	3.7	41
50	The Translation of Cyclin B1 and B2 is Differentially Regulated during Mouse Oocyte Reentry into the Meiotic Cell Cycle. Scientific Reports, 2017, 7, 14077.	3.3	39
51	PDE4D phosphorylation: A coincidence detector integrating multiple signaling pathways. Cellular Signalling, 2016, 28, 719-724.	3.6	37
52	Dynamic secretion during meiotic reentry integrates the function of the oocyte and cumulus cells. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2424-2429.	7.1	37
53	Identification of cyclic AMP-phosphodiesterase variants from the PDE4D gene expressed in human peripheral mononuclear cells. FEBS Letters, 1996, 384, 97-102.	2.8	36
54	Type 4 Cyclic Adenosine Monophosphate-Specific Phosphodiesterases Are Expressed in Discrete Subcellular Compartments during Rat Spermiogenesis*. Endocrinology, 1999, 140, 2297-2306.	2.8	35

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55	Cdc25A activity is required for the metaphase II arrest in mouse oocytes. Journal of Cell Science, 2013, 126, 1081-1085.	2.0	35
56	PDE4B mediates local feedback regulation of Î²1-adrenergic cAMP signaling in a sarcolemmal compartment of cardiac myocytes. Journal of Cell Science, 2014, 127, 1033-42.	2.0	35
57	The upstream conserved regions (UCRs) mediate homo- and hetero-oligomerization of typeÂ4 cyclic nucleotide phosphodiesterases (PDE4s). Biochemical Journal, 2014, 459, 539-550.	3.7	34
58	Anchored PDE4 regulates chloride conductance in wildâ€type and Î”F508â€CFTR human airway epithelia. FASEB Journal, 2014, 28, 791-801.	0.5	33
59	FSH Regulates mRNA Translation in Mouse Oocytes and Promotes Developmental Competence. Endocrinology, 2016, 157, 872-882.	2.8	33
60	The RNA-binding protein DAZL functions as repressor and activator of mRNA translation during oocyte maturation. Nature Communications, 2020, 11, 1399.	12.8	33
61	Selective Stimulation of a CAMP-Specific Phosphodiesterase (PDE4A5) Isoform by Phosphatidic Acid Molecular Species Endogenously Formed in Rat Thymocytes. FEBS Journal, 1997, 247, 1151-1157.	0.2	30
62	Cyclin A2 modulates kinetochoreâ€“microtubule attachment in meiosis II. Journal of Cell Biology, 2017, 216, 3133-3143.	5.2	30
63	From stem cells to germ cells and back again. Nature Medicine, 2008, 14, 1188-1190.	30.7	22
64	Phosphodiesterases and regulation of female reproductive function. Current Opinion in Pharmacology, 2011, 11, 665-669.	3.5	20
65	Atropine augments cardiac contractility by inhibiting cAMP-specific phosphodiesterase type 4. Scientific Reports, 2017, 7, 15222.	3.3	11
66	The H3.3 chaperone Hira complex orchestrates oocyte developmental competence. Development (Cambridge), 2022, 149, .	2.5	7
67	A PI3KÎ³ mimetic peptide triggers CFTR gating, bronchodilation, and reduced inflammation in obstructive airway diseases. Science Translational Medicine, 2022, 14, eabl6328.	12.4	6
68	When an Egg Is Not an Egg: Compromised Maternal mRNA Storage and Stabilization. Biology of Reproduction, 2011, 85, 429-430.	2.7	4
69	Profiling Maternal mRNA Translation During Oocyte Development. Methods in Molecular Biology, 2018, 1818, 43-50.	0.9	3
70	RNA Binding Protein Networks and Translational Regulation in Oocytes. , 2019, , 193-220.		3
71	Hormones and growth factors in the regulation of oocyte maturation. , 0, , 109-118.		2
72	Defining the Program of Maternal mRNA Translation during In vitro Maturation using a Single Oocyte Reporter Assay. Journal of Visualized Experiments, 2021, , .	0.3	2

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73	Subcellular Targeting of PDE4 in Cardiac Myocytes and Generation of Signaling Compartments. Cardiac and Vascular Biology, 2017, , 143-160.	0.2	1
74	GENE STRUCTURE, SPLICING VARIANTS AND REGULATION OF THE cAMP-SPECIFIC PHOSPHO-DIESTERASES. Biochemical Society Transactions, 1996, 24, 622S-622S.	3.4	0
75	Report from the 2016 University of California, San Francisco, Center for Reproductive Sciences retreat. Molecular Reproduction and Development, 2017, 84, 1024-1026.	2.0	0
76	The H3.3 Chaperone Hira Complex Orchestrates Oocyte Developmental Competence. SSRN Electronic Journal, 0, , .	0.4	0
77	Essential Role of the EGF Network in LHâ€induced Ovulation. FASEB Journal, 2006, 20, A978.	0.5	0
78	Splice variants of the cyclic nucleotide phosphodiesterase PDE4D exhibit distinct enzymatic properties and are differentially expressed and regulated in cardiac myocytes. FASEB Journal, 2006, 20, A543.	0.5	0
79	Beta amyloid 1â€“42â€induced depressiveâ€like behavior and decreases in adult neurogenesis are mediated by the phosphodiesderaseâ€4D (PDE4D) enzyme. FASEB Journal, 2010, 24, 762.1.	0.5	0
80	Behavioral phenotype of phosphodiesterase 4A (PDE4A) knockout mice suggests a role in memory and anxiety. FASEB Journal, 2011, 25, .	0.5	0
81	Anchored PDE4 controls CFTR conductance in normal and cystic fibrosis airway epithelia (1181.3). FASEB Journal, 2014, 28, 1181.3.	0.5	0
82	DAZL and CPEB1 regulate mRNA translation synergistically during oocyte maturation. Development (Cambridge), 2016, 143, e1.2-e1.2.	2.5	0