Julie A Sharp

List of Publications by Year
in descending order

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61 papers	1,999 citations	361045 20 h-index	243296 44 g-index
64 all docs	64 docs citations	64 times ranked	2758 citing authors

#	Article	IF	Citations
1	Genome analysis of the platypus reveals unique signatures of evolution. Nature, 2008, 453, 175-183.	13.7	657
2	Characterization of the Aspergillus nidulans nmrA Gene Involved in Nitrogen Metabolite Repression. Journal of Bacteriology, 1998, 180, 1973-1977.	1.0	143
3	Evolution of Lactation: Ancient Origin and Extreme Adaptations of the Lactation System. Annual Review of Genomics and Human Genetics, 2010, 11, 219-238.	2.5	138
4	Doxycycline-Inducible Expression of SPARC/ Osteonectin/ BM40 in MDA-MB-231 Human Breast Cancer Cells Results in Growth Inhibition. Breast Cancer Research and Treatment, 2002, 75, 73-85.	1.1	83
5	Differential temporal expression of milk miRNA during the lactation cycle of the marsupial tammar wallaby (Macropus eugenii). BMC Genomics, 2014, 15, 1012.	1.2	76
6	The acetate regulatory gene facB of Aspergillus nidulans encodes a Zn(II)2Cys6 transcriptional activator. Molecular Genetics and Genomics, 1997, 254, 495-504.	2.4	66
7	Lack of functional alpha-lactalbumin prevents involution in Cape fur seals and identifies the protein as an apoptotic milk factor in mammary gland involution. BMC Biology, 2008, 6, 48.	1.7	53
8	Identification and transcript analysis of a novel wallaby (Macropus eugenii) basal-like breast cancer cell line. Molecular Cancer, 2008, 7, 1.	7.9	44
9	Analysis of human breast milk cells: gene expression profiles during pregnancy, lactation, involution, and mastitic infection. Functional and Integrative Genomics, 2016, 16, 297-321.	1.4	42
10	Transfection of MDA-MB-231 human breast carcinoma cells with bone sialoprotein (BSP) stimulates migration and invasion inÂvitro and growth of primary and secondary tumors in nude mice. Clinical and Experimental Metastasis, 2004, 21, 19-29.	1.7	41
11	Characterisation of monotreme caseins reveals lineage-specific expansion of an ancestral casein locus in mammals. Reproduction, Fertility and Development, 2009, 21, 1015.	0.1	37
12	Molecular evolution of monotreme and marsupial whey acidic protein genes. Evolution & Development, 2007, 9, 378-392.	1.1	36
13	Tammar wallaby mammary cathelicidins are differentially expressed during lactation and exhibit antimicrobial and cell proliferative activity. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2011, 160, 431-439.	0.8	33
14	Fur Seal Adaptations to Lactation: Insights into Mammary Gland Function. Current Topics in Developmental Biology, 2005, 72, 275-308.	1.0	32
15	Molecular evolution of a novel marsupial S100 protein (S100A19) which is expressed at specific stages of mammary gland and gut development. Molecular Phylogenetics and Evolution, 2013, 69, 4-16.	1.2	30
16	Superhydrophobic natural melanin-coated cotton with excellent UV protection and personal thermal management functionality. Chemical Engineering Journal, 2022, 433, 133688.	6.6	30
17	Monotreme Lactation Protein Is Highly Expressed in Monotreme Milk and Provides Antimicrobial Protection. Genome Biology and Evolution, 2014, 6, 2754-2773.	1.1	29
18	The tammar wallaby: A model to examine endocrine and local control of lactation. IUBMB Life, 2007, 59, 146-150.	1.5	28

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19	A novel approach identified the FOLR1 gene, a putative regulator of milk protein synthesis. Mammalian Genome, 2009, 20, 498-503.	1.0	25
20	Bioactive Functions of Milk Proteins: a Comparative Genomics Approach. Journal of Mammary Gland Biology and Neoplasia, 2014, 19, 289-302.	1.0	22
21	In vivo endogenous proteolysis yielding beta-casein derived bioactive beta-casomorphin peptides in human breast milk for infant nutrition. Nutrition, 2019, 57, 259-267.	1.1	21
22	Species-specific cellâ€“matrix interactions are essential for differentiation of alveoli like structures and milk gene expression in primary mammary cells of the Cape fur seal (Arctocephalus pusillus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.0	19
23	WFDC2 is differentially expressed in the mammary gland of the tammar wallaby and provides immune protection to the mammary gland and the developing pouch young. Developmental and Comparative Immunology, 2012, 36, 584-590.	1.0	19
24	Argon gas plasma to decontaminate and extend shelf life of milk. Plasma Processes and Polymers, 2017, 14, 1600242.	1.6	19
25	The tammar wallaby: A marsupial model to examine the timed delivery and role of bioactives in milk. General and Comparative Endocrinology, 2017, 244, 164-177.	0.8	19
26	Natural Melanin/Polyurethane Composites as Highly Efficient Near-Infrared-Photoresponsive Shape Memory Implants. ACS Biomaterials Science and Engineering, 2020, 6, 5305-5314.	2.6	17
27	Correlation between extent of osteolytic damage and metastatic burden of human breast cancer metastasis in nude mice: real-time PCR quantitation. Clinical and Experimental Metastasis, 2002, 19, 377-383.	1.7	16
28	The extracellular matrix locally regulates asynchronous concurrent lactation in tammar wallaby (Macropus eugenii). Matrix Biology, 2013, 32, 342-351.	1.5	15
29	Gene expression profiling of postnatal lung development in the marsupial gray short-tailed opossum (Monodelphis domestica) highlights conserved developmental pathways and specific characteristics during lung organogenesis. BMC Genomics, 2018, 19, 732.	1.2	14
30	The Fur Sealâ€”a Model Lactation Phenotype to Explore Molecular Factors Involved in the Initiation of Apoptosis at Involution. Journal of Mammary Gland Biology and Neoplasia, 2007, 12, 47-58.	1.0	13
31	Conservation of the ST6Gal I gene and its expression in the mammary gland. Glycobiology, 2011, 21, 467-481.	1.3	13
32	The tammar wallaby: A model system to examine domain-specific delivery of milk protein bioactives. Seminars in Cell and Developmental Biology, 2012, 23, 547-556.	2.3	13
33	Identification and Functional Characterization of a Novel Monotreme- Specific Antibacterial Protein Expressed during Lactation. PLoS ONE, 2013, 8, e53686.	1.1	13
34	Marsupial tammar wallaby delivers milk bioactives to altricial pouch young to support lung development. Mechanisms of Development, 2016, 142, 22-29.	1.7	12
35	The lactation cycle of the fur seal. Journal of Dairy Research, 2005, 72, 81-89.	0.7	11
36	Uncoupling the mechanisms that facilitate cell survival in hormone-deprived bovine mammary explants. Journal of Molecular Endocrinology, 2008, 41, 103-116.	1.1	10

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37	Monotremes and marsupials: Comparative models to better understand the function of milk. Journal of Biosciences, 2012, 37, 581-588.	0.5	10
38	Role of marsupial tammar wallaby milk in lung maturation of pouch young. BMC Developmental Biology, 2015, 15, 16.	2.1	10
39	Structural characterization of a novel monotreme-specific protein with antimicrobial activity from the milk of the platypus. Acta Crystallographica Section F, Structural Biology Communications, 2018, 74, 39-45.	0.4	10
40	Development of high strength and ductile Zn-Al-Li alloys for potential use in bioresorbable medical devices. Materials Science and Engineering C, 2021, 122, 111897.	3.8	8
41	A population of mammary epithelial cells do not require hormones or growth factors to survive. Journal of Endocrinology, 2008, 196, 483-496.	1.2	7
42	Insulin regulates human mammosphere development and function. Cell and Tissue Research, 2021, 384, 333-352.	1.5	6
43	No evidence of expression of two classes of natural antibiotics (cathelicidins and defensins) in a sample of platypus milk. Australian Journal of Zoology, 2009, 57, 211.	0.6	6
44	Novel Biodegradable Zn Alloy with Exceptional Mechanical and In Vitro Corrosion Properties for Biomedical Applications. ACS Biomaterials Science and Engineering, 2021, 7, 5555-5572.	2.6	5
45	Dimeric but not monomeric Î±-lactalbumin potentiates apoptosis by up regulation of ATF3 and reduction of histone deacetylase activity in primary and immortalised cells. Cellular Signalling, 2017, 33, 86-97.	1.7	4
46	The. Molecular Genetics and Genomics, 1996, 251, 412.	2.4	4
47	The extracellular matrix regulates MaeuCath1a gene expression. Developmental and Comparative Immunology, 2013, 40, 289-299.	1.0	3
48	Structural and mechanistic insights into EchAMP: A antimicrobial protein from the Echidna milk. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1260-1274.	1.4	3
49	The comparative genomics of tammar wallaby and Cape fur seal lactation models to examine function of milk proteins. , 2008, , 55-79.		2
50	Guiding Development of the Neonate: Lessons from Mammalia. Nestle Nutrition Institute Workshop Series, 2019, 90, 203-215.	1.5	2
51	Defining the origin and function of bovine milk proteins through genomics: The biological implications of manipulation and modification. , 2020, , 143-171.		2
52	Comparative Genomics and Transcriptomics of Lactation. , 2010, , 115-132.		2
53	Hormonal regulation of platypus Beta-lactoglobulin and monotreme lactation protein genes. General and Comparative Endocrinology, 2017, 242, 38-48.	0.8	1
54	Functional evaluation of a monotreme-specific antimicrobial protein, EchAMP, against experimentally induced mastitis in transgenic mice. Transgenic Research, 2019, 28, 573-587.	1.3	1

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55	The comparative genomics of monotremes, marsupials, and pinnipeds: Models to examine functions of milk proteins. , 2020, , 99-141.		1
56	The Comparative Genomics of Monotremes, Marsupials, and Pinnipeds: Models to Examine the Functions of Milk Proteins. , 2014, , 75-112.		0
57	Comparative analysis of caveolins in mouse and tammar wallaby: Role in regulating mammary gland function. Gene, 2014, 552, 51-58.	1.0	0
58	Milk: Milk of Monotremes and Marsupials. , 2016, , .		0
59	Milk of Monotremes and Marsupials. , 2022, , 595-605.		0
60	Marsupial Milk â€“ Identifying Signals for Regulating Mammary Function and Development of the Young. , 2010, , 317-334.		0
61	The Effect of Mammary Extracellular Matrix in Controlling Oral and Mammary Cancer Cells. Asian Pacific Journal of Cancer Prevention, 2018, 19, 57-63.	0.5	0