Julie A Sharp

List of Publications by Year
in descending order

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	Milk of Monotremes and Marsupials. , 2022, , 595-605.		0
2	Superhydrophobic natural melanin-coated cotton with excellent UV protection and personal thermal management functionality. Chemical Engineering Journal, 2022, 433, 133688.	6.6	30
3	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
4	Insulin regulates human mammosphere development and function. Cell and Tissue Research, 2021, 384, 333-352.	1.5	6
5	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
6	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
7	The comparative genomics of monotremes, marsupials, and pinnipeds: Models to examine functions of milk proteins. , 2020, , 99-141.		1
8	Defining the origin and function of bovine milk proteins through genomics: The biological implications of manipulation and modification. , 2020, , 143-171.		2
9	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
10	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
11	Guiding Development of the Neonate: Lessons from Mammalia. Nestle Nutrition Institute Workshop Series, 2019, 90, 203-215.	1.5	2
12	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
13	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
14	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
15	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
16	Hormonal regulation of platypus Beta-lactoglobulin and monotreme lactation protein genes. General and Comparative Endocrinology, 2017, 242, 38-48.	0.8	1
17	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
18	Argon gas plasma to decontaminate and extend shelf life of milk. Plasma Processes and Polymers, 2017, 14, 1600242.	1.6	19

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19	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
20	Milk: Milk of Monotremes and Marsupials. , 2016, , .		0
21	Marsupial tammar wallaby delivers milk bioactives to altricial pouch young to support lung development. Mechanisms of Development, 2016, 142, 22-29.	1.7	12
22	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
23	Role of marsupial tammar wallaby milk in lung maturation of pouch young. BMC Developmental Biology, 2015, 15, 16.	2.1	10
24	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
25	Bioactive Functions of Milk Proteins: a Comparative Genomics Approach. Journal of Mammary Gland Biology and Neoplasia, 2014, 19, 289-302.	1.0	22
26	The Comparative Genomics of Monotremes, Marsupials, and Pinnipeds: Models to Examine the Functions of Milk Proteins. , 2014, , 75-112.		0
27	Monotreme Lactation Protein Is Highly Expressed in Monotreme Milk and Provides Antimicrobial Protection. Genome Biology and Evolution, 2014, 6, 2754-2773.	1.1	29
28	Comparative analysis of caveolins in mouse and tammar wallaby: Role in regulating mammary gland function. Gene, 2014, 552, 51-58.	1.0	0
29	The extracellular matrix regulates MaeuCath1a gene expression. Developmental and Comparative Immunology, 2013, 40, 289-299.	1.0	3
30	The extracellular matrix locally regulates asynchronous concurrent lactation in tammar wallaby (Macropus eugenii). Matrix Biology, 2013, 32, 342-351.	1.5	15
31	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
32	Identification and Functional Characterization of a Novel Monotreme- Specific Antibacterial Protein Expressed during Lactation. PLoS ONE, 2013, 8, e53686.	1.1	13
33	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
34	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
35	Monotremes and marsupials: Comparative models to better understand the function of milk. Journal of Biosciences, 2012, 37, 581-588.	0.5	10
36	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

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37	Conservation of the ST6Gal I gene and its expression in the mammary gland. Glycobiology, 2011, 21, 467-481.	1.3	13
38	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
39	Comparative Genomics and Transcriptomics of Lactation. , 2010, , 115-132.		2
40	Marsupial Milk â€“ Identifying Signals for Regulating Mammary Function and Development of the Young. , 2010, , 317-334.		0
41	A novel approach identified the FOLR1 gene, a putative regulator of milk protein synthesis. Mammalian Genome, 2009, 20, 498-503.	1.0	25
42	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
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	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
45	Genome analysis of the platypus reveals unique signatures of evolution. Nature, 2008, 453, 175-183.	13.7	657
46	Identification and transcript analysis of a novel wallaby (Macropus eugenii) basal-like breast cancer cell line. Molecular Cancer, 2008, 7, 1.	7.9	44
47	The comparative genomics of tammar wallaby and Cape fur seal lactation models to examine function of milk proteins. , 2008, , 55-79.		2
48	Uncoupling the mechanisms that facilitate cell survival in hormone-deprived bovine mammary explants. Journal of Molecular Endocrinology, 2008, 41, 103-116.	1.1	10
49	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
50	Molecular evolution of monotreme and marsupial whey acidic protein genes. Evolution & Development, 2007, 9, 378-392.	1.1	36
51	The tammar wallaby: A model to examine endocrine and local control of lactation. IUBMB Life, 2007, 59, 146-150.	1.5	28
52	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
53	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 ETQq1 1 0.784314 rgBT /Overlock	1.4	0
54	Fur Seal Adaptations to Lactation: Insights into Mammary Gland Function. Current Topics in Developmental Biology, 2005, 72, 275-308.	1.0	32

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55	The lactation cycle of the fur seal. Journal of Dairy Research, 2005, 72, 81-89.	0.7	11
56	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
57	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
58	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
59	Characterization of the Aspergillus nidulans nmrA Gene Involved in Nitrogen Metabolite Repression. Journal of Bacteriology, 1998, 180, 1973-1977.	1.0	143
60	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
61	The. Molecular Genetics and Genomics, 1996, 251, 412.	2.4	4