Ian H Mather

List of Publications by Year
in descending order

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16	1,079	623574	940416
papers	citations	14 h-index	16 g-index

17	17	17	945
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Origin and secretion of milk lipids. Journal of Mammary Gland Biology and Neoplasia, 1998, 3, 259-273.	1.0	285
2	Expression of butyrophilin (Btn1a1) in lactating mammary gland is essential for the regulated secretion of milk-lipid droplets. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10084-10089.	3.3	173
3	BTN1A1, the Mammary Gland Butyrophilin, and BTN2A2 Are Both Inhibitors of T Cell Activation. Journal of Immunology, 2010, 184, 3514-3525.	0.4	115
4	Kinetics of milk lipid droplet transport, growth, and secretion revealed by intravital imaging: lipid droplet release is intermittently stimulated by oxytocin. Molecular Biology of the Cell, 2017, 28, 935-946.	0.9	68
5	Membranes of Mammary Gland. XII. Loosely Associated Proteins and Compositional Heterogeneity of Bovine Milk Fat Globule Membrane. Journal of Dairy Science, 1977, 60, 394-402.	1.4	66
6	Separation of the Proteins of Bovine Milk-Fat-Globule Membrane by Electrofocusing with Retention of Enzymatic and Immunological Activity. FEBS Journal, 1980, 110, 327-336.	0.2	62
7	The PRY/SPRY/B30.2 Domain of Butyrophilin 1A1 (BTN1A1) Binds to Xanthine Oxidoreductase. Journal of Biological Chemistry, 2009, 284, 22444-22456.	1.6	59
8	Butyrophilin Is Expressed in Mammary Epithelial Cells from a Single-sized Messenger RNA as a Type I Membrane Glycoprotein. Journal of Biological Chemistry, 1998, 273, 4171-4179.	1.6	51
9	Cloning, localization, and structure of new members of the butyrophilin gene family in the juxta-telomeric region of the major histocompatibility complex. Immunogenetics, 1997, 47, 55-63.	1.2	43
10	A Flavin-Dependent Sulfhydryl Oxidase in Bovine Milk. Biochemistry, 2007, 46, 13031-13040.	1.2	35
11	A Test of Current Models for the Mechanism of Milkâ€Lipid Droplet Secretion. Traffic, 2013, 14, 974-986.	1.3	30
12	Separation of the proteins of bovine milk-fat globule membrane by electrofocusing. Biochimica Et Biophysica Acta - Biomembranes, 1978, 514, 25-36.	1.4	29
13	Monoclonal antibodies prepared against PAS-I butyrophilin and GP-55 from guinea-pig milk-fat-globule membrane bind specifically to the apical pole of secretory-epithelial cells in lactating mammary tissue. Experimental Cell Research, 1985, 158, 144-158.	1.2	23
14	Ultrastructural and immunocytochemical evidence for the reorganisation of the milk fat globule membrane after secretion. Cell and Tissue Research, 2017, 367, 283-295.	1.5	9
15	The butyrophilin 1a1 knockout mouse revisited: Ablation ofBtn1a1leads to concurrent cell death and renewal in the mammary epithelium during lactation. FASEB BioAdvances, 2021, 3, 971-997.	1.3	4
16	Intravital Imaging of the Lactating Mammary Gland in Transgenic Mice Expressing Fluorescent Proteins. , 2014, , 187-204.		3