

Rommel A Mathias

List of Publications by Year in descending order

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31
papers

3,071
citations

304602

22
h-index

434063

31
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all docs

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docs citations

32
times ranked

6034
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of ultracentrifugation, density gradient separation, and immunoaffinity capture methods for isolating human colon cancer cell line LIM1863-derived exosomes. <i>Methods</i> , 2012, 56, 293-304.	1.9	943
2	Sirtuin 4 Is a Lipoamidase Regulating Pyruvate Dehydrogenase Complex Activity. <i>Cell</i> , 2014, 159, 1615-1625.	13.5	356
3	Two Distinct Populations of Exosomes Are Released from LIM1863 Colon Carcinoma Cell-derived Organoids. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 587-598.	2.5	354
4	Emerging roles of exosomes during epithelialâ€“mesenchymal transition and cancer progression. <i>Seminars in Cell and Developmental Biology</i> , 2015, 40, 60-71.	2.3	190
5	A Portrait of the Human Organelle Proteome In Space and Time during Cytomegalovirus Infection. <i>Cell Systems</i> , 2016, 3, 361-373.e6.	2.9	170
6	Oncogenic H-Ras Reprograms Madin-Darby Canine Kidney (MDCK) Cell-derived Exosomal Proteins Following Epithelial-Mesenchymal Transition. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2148-2159.	2.5	167
7	Extracellular vesicles: their role in cancer biology and epithelialâ€“mesenchymal transition. <i>Biochemical Journal</i> , 2017, 474, 21-45.	1.7	81
8	Herpesviruses hijack host exosomes for viral pathogenesis. <i>Seminars in Cell and Developmental Biology</i> , 2017, 67, 91-100.	2.3	78
9	Post-translational Modifications Regulate Class IIa Histone Deacetylase (HDAC) Function in Health and Disease. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 456-470.	2.5	72
10	Secretome-Based Proteomic Profiling of Ras-Transformed MDCK Cells Reveals Extracellular Modulators of Epithelial-Mesenchymal Transition. <i>Journal of Proteome Research</i> , 2009, 8, 2827-2837.	1.8	66
11	YBX1/YB-1 induces partial EMT and tumourigenicity through secretion of angiogenic factors into the extracellular microenvironment. <i>Oncotarget</i> , 2015, 6, 13718-13730.	0.8	66
12	Oncogenic epithelial cell-derived exosomes containing Rac1 and PAK2 induce angiogenesis in recipient endothelial cells. <i>Oncotarget</i> , 2016, 7, 19709-19722.	0.8	56
13	Extracellular Remodelling During Oncogenic Ras-Induced Epithelial-Mesenchymal Transition Facilitates MDCK Cell Migration. <i>Journal of Proteome Research</i> , 2010, 9, 1007-1019.	1.8	54
14	Proteomics Profiling of Madin-Darby Canine Kidney Plasma Membranes Reveals Wnt-5a Involvement during Oncogenic H-Ras/TGF- β -mediated Epithelial-Mesenchymal Transition. <i>Molecular and Cellular Proteomics</i> , 2011, 10, S1-S15.	2.5	47
15	Towards understanding epithelialâ€“mesenchymal transition: A proteomics perspective. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 1325-1331.	1.1	43
16	Triton X-114 phase separation in the isolation and purification of mouse liver microsomal membrane proteins. <i>Methods</i> , 2011, 54, 396-406.	1.9	41
17	Contribution of cells undergoing epithelialâ€“mesenchymal transition to the tumour microenvironment. <i>Journal of Proteomics</i> , 2013, 78, 545-557.	1.2	41
18	Isolation of Extracellular Membranous Vesicles for Proteomic Analysis. <i>Methods in Molecular Biology</i> , 2009, 528, 227-242.	0.4	37

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19	Restoration of full-length APC protein in SW480 colon cancer cells induces exosome-mediated secretion of DKK1. <i>Electrophoresis</i> , 2012, 33, 1873-1880.	1.3	34
20	Stimulatory effects of advanced glycation endproducts (AGEs) on fibronectin matrix assembly. <i>Matrix Biology</i> , 2017, 59, 39-53.	1.5	27
21	The host exosome pathway underpins biogenesis of the human cytomegalovirus virion. <i>ELife</i> , 2020, 9, .	2.8	27
22	Transformed MDCK cells secrete elevated MMP1 that generates LAMA5 fragments promoting endothelial cell angiogenesis. <i>Scientific Reports</i> , 2016, 6, 28321.	1.6	26
23	Proteomic profiling of secretome and adherent plasma membranes from distinct mammary epithelial cell subpopulations. <i>Proteomics</i> , 2011, 11, 4029-4039.	1.3	25
24	Probing phosphorylation-dependent protein interactions within functional domains of histone deacetylase 5 (HDAC5). <i>Proteomics</i> , 2014, 14, 2156-2166.	1.3	13
25	Tandem application of cationic colloidal silica and Triton X-114 for plasma membrane protein isolation and purification: Towards developing an MDCK protein database. <i>Proteomics</i> , 2011, 11, 1238-1253.	1.3	12
26	Identification of Sirtuin4 (SIRT4) Protein Interactions: Uncovering Candidate Acyl-Modified Mitochondrial Substrates and Enzymatic Regulators. <i>Methods in Molecular Biology</i> , 2016, 1436, 213-239.	0.4	11
27	<i>Clostridium sordellii</i> outer spore proteins maintain spore structural integrity and promote bacterial clearance from the gastrointestinal tract. <i>PLoS Pathogens</i> , 2018, 14, e1007004.	2.1	11
28	A Fluorescent Microsphere-Based Method for Assay of Multiple Analytes in Plasma. <i>Methods in Molecular Biology</i> , 2011, 728, 195-206.	0.4	11
29	A Highly Specific Holin-Mediated Mechanism Facilitates the Secretion of Lethal Toxin TcsL in <i>Paenibacillus sordellii</i> . <i>Toxins</i> , 2022, 14, 124.	1.5	5
30	Proteomic Profiling of the Epithelial-Mesenchymal Transition Using 2D DIGE. <i>Methods in Molecular Biology</i> , 2012, 854, 269-286.	0.4	4
31	UL34 Deletion Restricts Human Cytomegalovirus Capsid Formation and Maturation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5773.	1.8	3