Mary K Cowman

List of Publications by Year
in descending order

34 papers	1,913 citations	430874 18 h-index	434195 31 g-index
34 all docs	34 docs citations	34 times ranked	2220 citing authors

#	Article	IF	Citations
1	Densification: Hyaluronan Aggregation in Different Human Organs. Bioengineering, 2022, 9, 159.	3.5	10
2	Methods for isolating and analyzing physiological hyaluronan: a review. American Journal of Physiology - Cell Physiology, 2022, 322, C674-C687.	4.6	9
3	Selective isolation of hyaluronan by solid phase adsorption to silica. Analytical Biochemistry, 2022, , 114769.	2.4	0
4	Protective Effects of a Hyaluronan-Binding Peptide (P15-1) on Mesenchymal Stem Cells in an Inflammatory Environment. International Journal of Molecular Sciences, 2021, 22, 7058.	4.1	3
5	MTADV 5-MER peptide suppresses chronic inflammations as well as autoimmune pathologies and unveils a new potential target-Serum Amyloid A. Journal of Autoimmunity, 2021, 124, 102713.	6.5	8
6	Extracellular Vesicles Released From Articular Chondrocytes Play a Major Role in Cellâ€"Cell Communication. Journal of Orthopaedic Research, 2020, 38, 731-739.	2.3	13
7	18 A HUMAN-DERIVED 5-MER PEPTIDE (MTADV), WHICH RESTRICTIVELY ALLEVIATES THE PRO-INFLAMMATORY ACTIVITY OF SERUM AMYLOID A (SAA), SUBSTANTIALLY AMELIORATES IBD PATHOLOGY: NEW POTENTIAL DRUG (MTADV) AND THERAPEUTIC TARGET CANDIDATE (SAA) FOR IBD. Inflammatory Bowel Diseases, 2020, 26, S3-S4.	1.9	3
8	A Hyaluronan-binding Peptide (P15-1) Reduces Inflammatory and Catabolic Events in IL-1Î²-treated Human Articular Chondrocytes. Scientific Reports, 2020, 10, 1441.	3.3	11
9	Role of Hyaluronan in Inflammatory Effects on Human Articular Chondrocytes. Inflammation, 2019, 42, 1808-1820.	3.8	23
10	Methods for Hyaluronan Molecular Mass Determination by Agarose Gel Electrophoresis. Methods in Molecular Biology, 2019, 1952, 91-102.	0.9	5
11	A competitive alphascreen assay for detection of hyaluronan. Glycobiology, 2018, 28, 137-147.	2.5	9
12	Human pericardial proteoglycan 4 (lubricin): Implications for postcardiotomy intrathoracic adhesion formation. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 1598-1608.e1.	0.8	24
13	Mouse Mammary Gland Whole Mount Preparation and Analysis. Bio-protocol, 2018, 8, e2915.	0.4	12
14	Hyaluronan Isolation from Mouse Mammary Gland. Bio-protocol, 2018, 8, e2865.	0.4	2
15	Hyaluronan modulates growth factor induced mammary gland branching in a size dependent manner. Matrix Biology, 2017, 63, 117-132.	3.6	56
16	Mutual macromolecular crowding as the basis for polymer solution nonâ€ideality. Polymers for Advanced Technologies, 2017, 28, 1000-1004.	3.2	3
17	Hyaluronan and Hyaluronan Fragments. Advances in Carbohydrate Chemistry and Biochemistry, 2017, 74, 1-59.	0.9	59
18	Effects of concentration and structure on proteoglycan 4 rheology and interaction withÂhyaluronan. Biorheology, 2015, 51, 409-422.	0.4	14

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19	Viscoelastic Properties of Hyaluronan in Physiological Conditions. F1000Research, 2015, 4, 622.	1.6	198
20	Hyaluronan, Inflammation, and Breast Cancer Progression. Frontiers in Immunology, 2015, 6, 236.	4.8	164
21	The Content and Size of Hyaluronan in Biological Fluids and Tissues. Frontiers in Immunology, 2015, 6, 261.	4.8	212
22	Determination of hyaluronan molecular mass distribution in human breast milk. Analytical Biochemistry, 2015, 474, 78-88.	2.4	34
23	Molecular mass dependence of hyaluronan detection by sandwich ELISA-like assay and membrane blotting using biotinylated hyaluronan binding protein. Glycobiology, 2013, 23, 1270-1280.	2.5	30
24	Human Milk Hyaluronan Enhances Innate Defense of the Intestinal Epithelium. Journal of Biological Chemistry, 2013, 288, 29090-29104.	3.4	69
25	Specific-sized Hyaluronan Fragments Promote Expression of Human Î²-Defensin 2 in Intestinal Epithelium. Journal of Biological Chemistry, 2012, 287, 30610-30624.	3.4	70
26	A RHAMM Mimetic Peptide Blocks Hyaluronan Signaling and Reduces Inflammation and Fibrogenesis in Excisional Skin Wounds. American Journal of Pathology, 2012, 181, 1250-1270.	3.8	97
27	Improved agarose gel electrophoresis method and molecular mass calculation for high molecular mass hyaluronan. Analytical Biochemistry, 2011, 417, 50-56.	2.4	59
28	Agarose and polyacrylamide gel electrophoresis methods for molecular mass analysis of 5- to 500-kDa hyaluronan. Analytical Biochemistry, 2011, 417, 41-49.	2.4	74
29	Experimental approaches to hyaluronan structure. Carbohydrate Research, 2005, 340, 791-809.	2.3	287
30	Methods for Determination of Hyaluronan Molecular Weight. , 2004, , 41-69.		6
31	TEMPERATURE EFFECT ON THE DYNAMIC RHEOLOGICAL CHARACTERISTICS OF HYALURONAN, HYLAN A AND SYNVISCÂ®. , 2002, , 103-108.		5
32	Degradation of Hyaluronan by Peroxynitrite. Archives of Biochemistry and Biophysics, 1997, 341, 245-250.	3.0	104
33	Self-association of hyaluronate segments in aqueous NaCl solution. Archives of Biochemistry and Biophysics, 1988, 265, 484-495.	3.0	90
34	Combined alcian blue and silver staining of glycosaminoglycans in polyacrylamide gels: Application to electrophoretic analysis of molecular weight distribution. Analytical Biochemistry, 1986, 155, 275-285.	2.4	150