

# Christine Y. Chuang

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

938  
citations

430874

18  
h-index

454955

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1125  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of vascular-derived perlecan in modulating cell adhesion, proliferation and growth factor signaling. <i>Matrix Biology</i> , 2014, 35, 112-122.	3.6	105
2	Heparan Sulfate-Dependent Signaling of Fibroblast Growth Factor 18 by Chondrocyte-Derived Perlecan. <i>Biochemistry</i> , 2010, 49, 5524-5532.	2.5	92
3	Chlorination and oxidation of the extracellular matrix protein laminin and basement membrane extracts by hypochlorous acid and myeloperoxidase. <i>Redox Biology</i> , 2019, 20, 496-513.	9.0	64
4	Myeloperoxidase-derived oxidants selectively disrupt the protein core of the heparan sulfate proteoglycan perlecan. <i>Matrix Biology</i> , 2010, 29, 63-73.	3.6	54
5	Mechanisms and consequences of oxidative damage to extracellular matrix. <i>Biochemical Society Transactions</i> , 2011, 39, 1279-1287.	3.4	50
6	Selenium-containing indolyl compounds: Kinetics of reaction with inflammation-associated oxidants and protective effect against oxidation of extracellular matrix proteins. <i>Free Radical Biology and Medicine</i> , 2017, 113, 395-405.	2.9	49
7	Oxidation and modification of extracellular matrix and its role in disease. <i>Free Radical Research</i> , 2014, 48, 970-989.	3.3	45
8	Peroxynitrite-mediated oxidation of plasma fibronectin. <i>Free Radical Biology and Medicine</i> , 2016, 97, 602-615.	2.9	43
9	Chlorination and oxidation of human plasma fibronectin by myeloperoxidase-derived oxidants, and its consequences for smooth muscle cell function. <i>Redox Biology</i> , 2018, 19, 388-400.	9.0	42
10	Peroxynitrous acid induces structural and functional modifications to basement membranes and its key component, laminin. <i>Free Radical Biology and Medicine</i> , 2015, 89, 721-733.	2.9	35
11	Oxidation modifies the structure and function of the extracellular matrix generated by human coronary artery endothelial cells. <i>Biochemical Journal</i> , 2014, 459, 313-322.	3.7	34
12	Characterisation and quantification of protein oxidative modifications and amino acid racemisation in powdered infant milk formula. <i>Free Radical Research</i> , 2019, 53, 68-81.	3.3	32
13	Hypochlorous acid-modified extracellular matrix contributes to the behavioral switching of human coronary artery smooth muscle cells. <i>Free Radical Biology and Medicine</i> , 2019, 134, 516-526.	2.9	30
14	Epac1 increases migration of endothelial cells and melanoma cells via FGF $\beta$ -mediated paracrine signaling. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 611-620.	3.3	29
15	Exposure of tropoelastin to peroxynitrous acid gives high yields of nitrated tyrosine residues, di-tyrosine cross-links and altered protein structure and function. <i>Free Radical Biology and Medicine</i> , 2018, 115, 219-231.	2.9	29
16	Oxidation of human plasma fibronectin by inflammatory oxidants perturbs endothelial cell function. <i>Free Radical Biology and Medicine</i> , 2019, 136, 118-134.	2.9	28
17	Binding of myeloperoxidase to the extracellular matrix of smooth muscle cells and subsequent matrix modification. <i>Scientific Reports</i> , 2020, 10, 666.	3.3	25
18	Tissue engineering of cartilages using biomatrices. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 444-463.	3.2	21

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19	Identification and quantification of sites of nitration and oxidation in the key matrix protein laminin and the structural consequences of these modifications. <i>Redox Biology</i> , 2019, 24, 101226.	9.0	16
20	The cartilage matrix molecule components produced by human foetal cartilage rudiment cells within scaffolds and the role of exogenous growth factors. <i>Biomaterials</i> , 2012, 33, 4078-4088.	11.4	15
21	Not All Lubricin Isoforms Are Substituted with a Glycosaminoglycan Chain. <i>Connective Tissue Research</i> , 2012, 53, 132-141.	2.3	14
22	Dynein regulates Kv7.4 channel trafficking from the cell membrane. <i>Journal of General Physiology</i> , 2021, 153, .	1.9	14
23	Enhanced tumor growth in the NaS1 sulfate transporter null mouse. <i>Cancer Science</i> , 2010, 101, 369-373.	3.9	13
24	The leucine-rich repeat domain of human peroxidase 1 promotes binding to laminin in basement membranes. <i>Archives of Biochemistry and Biophysics</i> , 2020, 689, 108443.	3.0	13
25	Similarity of Recombinant Human Perlecan Domain 1 by Alternative Expression Systems Bioactive Heterogenous Recombinant Human Perlecan D1. <i>BMC Biotechnology</i> , 2010, 10, 66.	3.3	12
26	Myeloperoxidase-derived damage to human plasma fibronectin: Modulation by protein binding and thiocyanate ions (SCN <sup>-</sup> ). <i>Redox Biology</i> , 2020, 36, 101641.	9.0	11
27	Influence of plasma halide, pseudohalide and nitrite ions on myeloperoxidase-mediated protein and extracellular matrix damage. <i>Free Radical Biology and Medicine</i> , 2022, 188, 162-174.	2.9	9
28	Recombinant heparan sulfate for use in tissue engineering applications. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 496-504.	3.2	8
29	Peroxynitrous acid-modified extracellular matrix alters gene and protein expression in human coronary artery smooth muscle cells and induces a pro-inflammatory phenotype. <i>Free Radical Biology and Medicine</i> , 2022, 186, 43-52.	2.9	4
30	An increase in mitochondrial DNA copy number was observed in monocyte cell line differentiated into macrophages but not in mitochondrial respiratory protein mRNA levels and TFAM. <i>Free Radical Biology and Medicine</i> , 2021, 165, 37-38.	2.9	0