

# Martin D Rees

## List of Publications by Year in descending order

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22  
papers

1,599  
citations

516710

16  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2022  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mammalian Heme Peroxidases: From Molecular Mechanisms to Health Implications. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 1199-1234.	5.4	490
2	Oxidative damage to extracellular matrix and its role in human pathologies. <i>Free Radical Biology and Medicine</i> , 2008, 44, 1973-2001.	2.9	167
3	Urate as a Physiological Substrate for Myeloperoxidase. <i>Journal of Biological Chemistry</i> , 2011, 286, 12901-12911.	3.4	109
4	Hypochlorite and superoxide radicals can act synergistically to induce fragmentation of hyaluronan and chondroitin sulphates. <i>Biochemical Journal</i> , 2004, 381, 175-184.	3.7	92
5	Heparan Sulfate-Dependent Signaling of Fibroblast Growth Factor 18 by Chondrocyte-Derived Perlecan. <i>Biochemistry</i> , 2010, 49, 5524-5532.	2.5	92
6	Hypochlorite-Mediated Fragmentation of Hyaluronan, Chondroitin Sulfates, and Related N-Acetyl Glycosamines: A Evidence for Chloramide Intermediates, Free Radical Transfer Reactions, and Site-Specific Fragmentation. <i>Journal of the American Chemical Society</i> , 2003, 125, 13719-13733.	13.7	86
7	Inhibition of myeloperoxidase-mediated hypochlorous acid production by nitroxides. <i>Biochemical Journal</i> , 2009, 421, 79-86.	3.7	71
8	Acetaminophen (paracetamol) inhibits myeloperoxidase-catalyzed oxidant production and biological damage at therapeutically achievable concentrations. <i>Biochemical Pharmacology</i> , 2010, 79, 1156-1164.	4.4	59
9	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
10	Oxidation of heparan sulphate by hypochlorite: role of N-chloro derivatives and dichloramine-dependent fragmentation. <i>Biochemical Journal</i> , 2005, 391, 125-134.	3.7	53
11	Human Indoleamine 2,3-Dioxygenase Is a Catalyst of Physiological Heme Peroxidase Reactions. <i>Journal of Biological Chemistry</i> , 2013, 288, 1548-1567.	3.4	48
12	Heparan Sulfate Degradation via Reductive Homolysis of Its N-Chloro Derivatives. <i>Journal of the American Chemical Society</i> , 2006, 128, 3085-3097.	13.7	44
13	Superoxide radicals can act synergistically with hypochlorite to induce damage to proteins. <i>FEBS Letters</i> , 2002, 510, 41-44.	2.8	42
14	Peroxynitrite modifies the structure and function of the extracellular matrix proteoglycan perlecan by reaction with both the protein core and the heparan sulfate chains. <i>Free Radical Biology and Medicine</i> , 2010, 49, 282-293.	2.9	41
15	Degradation of extracellular matrix and its components by hypobromous acid. <i>Biochemical Journal</i> , 2007, 401, 587-596.	3.7	38
16	Myeloperoxidase: A versatile mediator of endothelial dysfunction and therapeutic target during cardiovascular disease. , 2021, 221, 107711.		38
17	Targeted subendothelial matrix oxidation by myeloperoxidase triggers myosin II-dependent de-adhesion and alters signaling in endothelial cells. <i>Free Radical Biology and Medicine</i> , 2012, 53, 2344-2356.	2.9	30
18	Regulation of the nitric oxide oxidase activity of myeloperoxidase by pharmacological agents. <i>Biochemical Pharmacology</i> , 2017, 135, 90-115.	4.4	17

#	ARTICLE	IF	CITATIONS
19	Mechanism and regulation of peroxidase-catalyzed nitric oxide consumption in physiological fluids: Critical protective actions of ascorbate and thiocyanate. <i>Free Radical Biology and Medicine</i> , 2014, 72, 91-103.	2.9	15
20	Recombinant heparan sulfate for use in tissue engineering applications. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 496-504.	3.2	8
21	Polyamine-Conjugated Nitroxides Are Efficacious Inhibitors of Oxidative Reactions Catalyzed by Endothelial-Localized Myeloperoxidase. <i>Chemical Research in Toxicology</i> , 2021, 34, 1681-1692.	3.3	3
22	Using Cell-substrate Impedance and Live Cell Imaging to Measure Real-time Changes in Cellular Adhesion and De-adhesion Induced by Matrix Modification. <i>Journal of Visualized Experiments</i> , 2015, , .	0.3	2