

John W Chen

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

6,593
citations

134610

34
h-index

97045

71
g-index

74
all docs

74
docs citations

74
times ranked

12739
citing authors

#	ARTICLE	IF	CITATIONS
1	Myeloperoxidase exerts anti-tumor activity in glioma after radiotherapy. <i>Neoplasia</i> , 2022, 26, 100779.	2.3	7
2	Molecular immunoimaging improves tumor detection in head and neck cancer. <i>FASEB Journal</i> , 2022, 36, e22092.	0.2	0
3	Highly Efficient Activatable MRI Probe to Sense Myeloperoxidase Activity. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5874-5885.	2.9	15
4	Does Brain Gadolinium Deposition Have Clinical Consequence? Lessons from Animal Studies. <i>Radiology</i> , 2021, 301, 417-419.	3.6	2
5	Magnetic Resonance Imaging Agents. , 2021, , 583-601.		0
6	<scpd> -mannose suppresses oxidative response and blocks phagocytosis in experimental neuroinflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	17
7	D-Mannose Slows Glioma Growth by Modulating Myeloperoxidase Activity. <i>Cancers</i> , 2021, 13, 6360.	1.7	3
8	Obtusaquinone: A Cysteine-Modifying Compound That Targets Keap1 for Degradation. <i>ACS Chemical Biology</i> , 2020, 15, 1445-1454.	1.6	18
9	Multimodal Molecular Imaging Demonstrates Myeloperoxidase Regulation of Matrix Metalloproteinase Activity in Neuroinflammation. <i>Molecular Neurobiology</i> , 2019, 56, 954-962.	1.9	8
10	A versatile imaging platform with fluorescence and CT imaging capabilities that detects myeloperoxidase activity and inflammation at different scales. <i>Theranostics</i> , 2019, 9, 7525-7536.	4.6	12
11	Myeloperoxidase Molecular MRI Reveals Synergistic Combination Therapy in Murine Experimental Autoimmune Neuroinflammation. <i>Radiology</i> , 2019, 293, 158-165.	3.6	9
12	An activatable PET imaging radioprobe is a dynamic reporter of myeloperoxidase activity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11966-11971.	3.3	34
13	Mouse model of anti-NMDA receptor postherpes simplex encephalitis. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2019, 6, e529.	3.1	44
14	A cerebellopontine angle mouse model for the investigation of tumor biology, hearing, and neurological function in NF2-related vestibular schwannoma. <i>Nature Protocols</i> , 2019, 14, 541-555.	5.5	18
15	MRI of Iron Oxide Nanoparticles and Myeloperoxidase Activity Links Inflammation to Brain Edema in Experimental Cerebral Malaria. <i>Radiology</i> , 2019, 290, 359-367.	3.6	11
16	Reducing myeloperoxidase activity decreases inflammation and increases cellular protection in ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 1864-1877.	2.4	36
17	Ultrasmall Superparamagnetic Iron Oxide Imaging Identifies Tissue and Nerve Inflammation in Pain Conditions. <i>Pain Medicine</i> , 2018, 19, 686-692.	0.9	9
18	<scpd> protects against ageprogressive axonal degeneration. <i>Aging Cell</i> , 2018, 17, e12701.	3.0	52

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19	Combined adult neurogenesis and BDNF mimic exercise effects on cognition in an Alzheimer's mouse model. <i>Science</i> , 2018, 361, .	6.0	536
20	Polyglucose nanoparticles with renal elimination and macrophage avidity facilitate PET imaging in ischaemic heart disease. <i>Nature Communications</i> , 2017, 8, 14064.	5.8	118
21	Phf8 loss confers resistance to depression-like and anxiety-like behaviors in mice. <i>Nature Communications</i> , 2017, 8, 15142.	5.8	35
22	Molecular MR Imaging of Myeloperoxidase Distinguishes Steatosis from Steatohepatitis in Nonalcoholic Fatty Liver Disease. <i>Radiology</i> , 2017, 284, 390-400.	3.6	29
23	Spinal Cord Inflammation: Molecular Imaging after Thoracic Aortic Ischemia Reperfusion Injury. <i>Radiology</i> , 2017, 282, 202-211.	3.6	15
24	Myeloperoxidase Inhibition Improves Ventricular Function and Remodeling After Experimental Myocardial Infarction. <i>JACC Basic To Translational Science</i> , 2016, 1, 633-643.	1.9	77
25	Surface biotinylation of cytotoxic T lymphocytes for in vivo tracking of tumor immunotherapy in murine models. <i>Cancer Immunology, Immunotherapy</i> , 2016, 65, 1545-1554.	2.0	10
26	Myeloperoxidase Inhibition Increases Neurogenesis after Ischemic Stroke. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016, 359, 262-272.	1.3	49
27	In vivo nanoparticle imaging of innate immune cells can serve as a marker of disease severity in a model of multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13227-13232.	3.3	87
28	Microstructural Changes in Absence Seizure Children: A Diffusion Tensor Magnetic Resonance Imaging Study. <i>Pediatrics and Neonatology</i> , 2016, 57, 318-325.	0.3	9
29	Myeloperoxidase Nuclear Imaging for Epileptogenesis. <i>Radiology</i> , 2016, 278, 822-830.	3.6	24
30	Multimodal targeted high relaxivity thermosensitive liposome for in vivo imaging. <i>Scientific Reports</i> , 2015, 5, 17220.	1.6	18
31	Myeloperoxidase-Hepatocyte-Stellate Cell Cross Talk Promotes Hepatocyte Injury and Fibrosis in Experimental Nonalcoholic Steatohepatitis. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1255-1269.	2.5	93
32	Myeloperoxidase Propagates Damage and is a Potential Therapeutic Target for Subacute Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 485-493.	2.4	66
33	Multiple Sclerosis: Myeloperoxidase Immunoradiology Improves Detection of Acute and Chronic Disease in Experimental Model. <i>Radiology</i> , 2015, 275, 480-489.	3.6	37
34	Gelsolin decreases actin toxicity and inflammation in murine multiple sclerosis. <i>Journal of Neuroimmunology</i> , 2015, 287, 36-42.	1.1	24
35	Dynamic 1H-MRS assessment of brain tumors: A novel approach for differential diagnosis of glioma. <i>Oncotarget</i> , 2015, 6, 32257-32265.	0.8	10
36	Predicting the Severity and Prognosis of Trismus after Intensity-Modulated Radiation Therapy for Oral Cancer Patients by Magnetic Resonance Imaging. <i>PLoS ONE</i> , 2014, 9, e92561.	1.1	24

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37	Optimal Brain MRI Protocol for New Neurological Complaint. PLoS ONE, 2014, 9, e110803.	1.1	20
38	Identification of small compound biomarkers of pituitary adenoma: a bilateral inferior petrosal sinus sampling study. Journal of NeuroInterventional Surgery, 2014, 6, 541-546.	2.0	15
39	Molecular Imaging of Macrophage Enzyme Activity in Cardiac Inflammation. Current Cardiovascular Imaging Reports, 2014, 7, 9258.	0.4	6
40	Dynamic Biodistribution of Extracellular Vesicles <i>in Vivo</i> Using a Multimodal Imaging Reporter. ACS Nano, 2014, 8, 483-494.	7.3	663
41	Vascular and Neurogenic Rejuvenation of the Aging Mouse Brain by Young Systemic Factors. Science, 2014, 344, 630-634.	6.0	857
42	Pleural innate response activator B cells protect against pneumonia via a GM-CSF-IgM axis. Journal of Experimental Medicine, 2014, 211, 1243-1256.	4.2	132
43	Angiotensin II Drives the Production of Tumor-Promoting Macrophages. Immunity, 2013, 38, 296-308.	6.6	157
44	Monocyte-Directed RNAi Targeting CCR2 Improves Infarct Healing in Atherosclerosis-Prone Mice. Circulation, 2013, 127, 2038-2046.	1.6	243
45	Measuring Myeloperoxidase Activity in Biological Samples. PLoS ONE, 2013, 8, e67976.	1.1	265
46	Stochastic Model of Tsc1 Lesions in Mouse Brain. PLoS ONE, 2013, 8, e64224.	1.1	16
47	Demyelinating Diseases: Myeloperoxidase as an Imaging Biomarker and Therapeutic Target. Radiology, 2012, 263, 451-460.	3.6	81
48	Bevacizumab With Angiostatin-armed oHSV Increases Antiangiogenesis and Decreases Bevacizumab-induced Invasion in U87 Glioma. Molecular Therapy, 2012, 20, 37-45.	3.7	60
49	Origins of tumor-associated macrophages and neutrophils. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2491-2496.	3.3	547
50	Vasculitis: Molecular Imaging by Targeting the Inflammatory Enzyme Myeloperoxidase. Radiology, 2012, 262, 181-190.	3.6	23
51	Single Reporter for Targeted Multimodal <i>in Vivo</i> Imaging. Journal of the American Chemical Society, 2012, 134, 5149-5156.	6.6	45
52	Selective Factor XIIIa Inhibition Attenuates Silent Brain Ischemia. JACC: Cardiovascular Imaging, 2012, 5, 1127-1138.	2.3	31
53	Ligation of the Jugular Veins Does Not Result in Brain Inflammation or Demyelination in Mice. PLoS ONE, 2012, 7, e33671.	1.1	18
54	Enhanced <i>in Vivo</i> Imaging of Metabolically Biotinylated Cell Surface Reporters. Analytical Chemistry, 2011, 83, 994-999.	3.2	19

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55	Distinguishing Inflammation from Tumor and Peritumoral Edema by Myeloperoxidase Magnetic Resonance Imaging. <i>Clinical Cancer Research</i> , 2011, 17, 4484-4493.	3.2	34
56	Activatable Magnetic Resonance Imaging Agents for Myeloperoxidase Sensing: Mechanism of Activation, Stability, and Toxicity. <i>Journal of the American Chemical Society</i> , 2010, 132, 168-177.	6.6	99
57	Myeloperoxidase-rich Ly-6C+ myeloid cells infiltrate allografts and contribute to an imaging signature of organ rejection in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 2627-2634.	3.9	90
58	Enzyme-Sensitive Magnetic Resonance Imaging Targeting Myeloperoxidase Identifies Active Inflammation in Experimental Rabbit Atherosclerotic Plaques. <i>Circulation</i> , 2009, 120, 592-599.	1.6	151
59	Oncogenic EGFR signaling cooperates with loss of tumor suppressor gene functions in gliomagenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2712-2716.	3.3	197
60	Combined magnetic resonance and fluorescence imaging of the living mouse brain reveals glioma response to chemotherapy. <i>NeuroImage</i> , 2009, 45, 360-369.	2.1	71
61	Tracking the inflammatory response in stroke in vivo by sensing the enzyme myeloperoxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18584-18589.	3.3	275
62	Activatable Magnetic Resonance Imaging Agent Reports Myeloperoxidase Activity in Healing Infarcts and Noninvasively Detects the Antiinflammatory Effects of Atorvastatin on Ischemia-Reperfusion Injury. <i>Circulation</i> , 2008, 117, 1153-1160.	1.6	178
63	Myeloperoxidase-targeted imaging of active inflammatory lesions in murine experimental autoimmune encephalomyelitis. <i>Brain</i> , 2008, 131, 1123-1133.	3.7	106
64	A paramagnetic contrast agent with myeloperoxidase-sensing properties. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1887.	1.5	58
65	Metabolic biotinylation of cell surface receptors for in vivo imaging. <i>Nature Methods</i> , 2006, 3, 391-396.	9.0	105
66	Imaging of Myeloperoxidase in Mice by Using Novel Amplifiable Paramagnetic Substrates. <i>Radiology</i> , 2006, 240, 473-481.	3.6	147
67	1001. Metabolic Biotinylation of Cell Surface Receptors for In Vivo Imaging. <i>Molecular Therapy</i> , 2006, 13, S386.	3.7	0
68	Myeloperoxidase Activity Imaging Using ⁶⁷ Ga Labeled Substrate. <i>Molecular Imaging and Biology</i> , 2005, 7, 403-410.	1.3	17
69	Vulnerable Plaque Imaging. <i>Neuroimaging Clinics of North America</i> , 2005, 15, 609-621.	0.5	20
70	DTPA-bisamide-Based MR Sensor Agents for Peroxidase Imaging. <i>Organic Letters</i> , 2005, 7, 1719-1722.	2.4	101
71	Human myeloperoxidase: A potential target for molecular MR imaging in atherosclerosis. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1021-1028.	1.9	127
72	Diagnosis of fatty liver with MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1992, 2, 463-471.	1.9	60