

Po-Wah So

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

2,750
citations

185998

28
h-index

189595

50
g-index

75
all docs

75
docs citations

75
times ranked

4508
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear receptor corepressor RIP140 regulates fat accumulation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8437-8442.	3.3	337
2	Iron dyshomeostasis, lipid peroxidation and perturbed expression of cystine/glutamate antiporter in Alzheimer's disease: Evidence of ferroptosis. Redox Biology, 2020, 32, 101494.	3.9	154
3	High field (9.4 Tesla) magnetic resonance imaging of cortical grey matter lesions in multiple sclerosis. Brain, 2010, 133, 858-867.	3.7	138
4	The Aging of Iron Man. Frontiers in Aging Neuroscience, 2018, 10, 65.	1.7	121
5	Bimodal Paramagnetic and Fluorescent Liposomes for Cellular and Tumor Magnetic Resonance Imaging. Bioconjugate Chemistry, 2008, 19, 118-129.	1.8	117
6	Impact of Resistant Starch on Body Fat Patterning and Central Appetite Regulation. PLoS ONE, 2007, 2, e1309.	1.1	111
7	Cutting Edge: Retrobulbar Inflammation, Adipogenesis, and Acute Orbital Congestion in a Preclinical Female Mouse Model of Graves' Orbitopathy Induced by Thyrotropin Receptor Plasmid-in Vivo Electroporation. Endocrinology, 2013, 154, 3008-3015.	1.4	99
8	Role of miR-195 in Aortic Aneurysmal Disease. Circulation Research, 2014, 115, 857-866.	2.0	93
9	Salivary Metabolomics: From Diagnostic Biomarker Discovery to Investigating Biological Function. Metabolites, 2020, 10, 47.	1.3	89
10	High resolution MR anatomy of the subthalamic nucleus: Imaging at 9.4T with histological validation. Neurolmage, 2012, 59, 2035-2044.	2.1	81
11	In vivo measurements of T1 relaxation times in mouse brain associated with different modes of systemic administration of manganese chloride. Journal of Magnetic Resonance Imaging, 2005, 21, 334-339.	1.9	76
12	Fermentable Carbohydrate Alters Hypothalamic Neuronal Activity and Protects Against the Obesogenic Environment. Obesity, 2012, 20, 1016-1023.	1.5	72
13	Image-guided thermosensitive liposomes for focused ultrasound drug delivery: Using NIRF-labelled lipids and topotecan to visualise the effects of hyperthermia in tumours. Journal of Controlled Release, 2018, 280, 87-98.	4.8	66
14	Veganism and its relationship with insulin resistance and intramyocellular lipid. European Journal of Clinical Nutrition, 2005, 59, 291-298.	1.3	61
15	Adiposity induced by adenovirus 5 inoculation. International Journal of Obesity, 2005, 29, 603-606.	1.6	58
16	Manganese-enhanced magnetic resonance imaging (MEMRI) without compromise of the blood-brain barrier detects hypothalamic neuronal activity in vivo. NMR in Biomedicine, 2006, 19, 1028-1034.	1.6	57
17	Developing and Standardizing a Protocol for Quantitative Proton Nuclear Magnetic Resonance (¹ H NMR) Spectroscopy of Saliva. Journal of Proteome Research, 2018, 17, 1521-1531.	1.8	52
18	9.4 T MR microscopy of the substantia nigra with pathological validation in controls and disease. Neurolmage: Clinical, 2017, 13, 154-163.	1.4	49

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19	Voxel-wise comparisons of cellular microstructure and diffusion-MRI in mouse hippocampus using 3D Bridging of Optically-clear histology with Neuroimaging Data (3D-BOND). <i>Scientific Reports</i> , 2018, 8, 4011.	1.6	47
20	Spotlight on Ferroptosis: Iron-Dependent Cell Death in Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 196.	1.7	47
21	Contrast enhancement of short T2 tissues using ultrashort TE (UTE) pulse sequences. <i>Clinical Radiology</i> , 2004, 59, 720-726.	0.5	43
22	Regional Distributions of Iron, Copper and Zinc and Their Relationships With Glia in a Normal Aging Mouse Model. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 351.	1.7	43
23	Dissociation between iron accumulation and ferritin upregulation in the aged substantia nigra: attenuation by dietary restriction. <i>Aging</i> , 2016, 8, 2488-2508.	1.4	43
24	A novel calibration strategy for the quantitative imaging of iron in biological tissues by LA-ICP-MS using matrix-matched standards and internal standardisation. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1378-1384.	1.6	41
25	Determining bacterial and host contributions to the human salivary metabolome. <i>Journal of Oral Microbiology</i> , 2019, 11, 1617014.	1.2	40
26	Targeting Glia with N-Acetylcysteine Modulates Brain Glutamate and Behaviors Relevant to Neurodevelopmental Disorders in C57BL/6J Mice. <i>Frontiers in Behavioral Neuroscience</i> , 2015, 9, 343.	1.0	32
27	Longitudinal in vivo maturational changes of metabolites in the prefrontal cortex of rats exposed to polyinosinic-polycytidylic acid in utero. <i>European Neuropsychopharmacology</i> , 2015, 25, 2210-2220.	0.3	32
28	The Temporal Sequence of Gut Peptide-CNS Interactions Tracked <i>In Vivo</i> by Magnetic Resonance Imaging. <i>Journal of Neuroscience</i> , 2007, 27, 12341-12348.	1.7	31
29	Intraperitoneal delivery of acetate-encapsulated liposomal nanoparticles for neuroprotection of the penumbra in a rat model of ischemic stroke. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 1979-1991.	3.3	30
30	c-Kit+ progenitors generate vascular cells for tissue-engineered grafts through modulation of the Wnt/Klf4 pathway. <i>Biomaterials</i> , 2015, 60, 53-61.	5.7	29
31	A Low Molecular Weight Folate Receptor Targeted Contrast Agent for Magnetic Resonance Tumor Imaging. <i>Molecular Imaging and Biology</i> , 2011, 13, 653-662.	1.3	27
32	Efficient and Rapid Labeling of Transplanted Cell Populations with Superparamagnetic Iron Oxide Nanoparticles Using Cell Surface Chemical Biotinylation for in Vivo Monitoring by MRI. <i>Cell Transplantation</i> , 2010, 19, 419-429.	1.2	25
33	Pattern of Altered Plasma Elemental Phosphorus, Calcium, Zinc, and Iron in Alzheimer's Disease. <i>Scientific Reports</i> , 2019, 9, 3147.	1.6	25
34	Image-guided thermosensitive liposomes for focused ultrasound enhanced co-delivery of carboplatin and SN-38 against triple negative breast cancer in mice. <i>Biomaterials</i> , 2021, 271, 120758.	5.7	25
35	Layered gadolinium hydroxides for simultaneous drug delivery and imaging. <i>Dalton Transactions</i> , 2018, 47, 3166-3177.	1.6	22
36	Direct visualization of remyelination in multiple sclerosis using T2-weighted high-field MRI. <i>Neurology</i> , 2009, 72, 472-472.	1.5	21

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37	Glycans in Magnetic Resonance Imaging: Determinants of Relaxivity to Smart Agents, and Potential Applications in Biomedicine. <i>Current Medicinal Chemistry</i> , 2011, 18, 1002-1018.	1.2	21
38	Intraoral Microbial Metabolism and Association with Host Taste Perception. <i>Journal of Dental Research</i> , 2020, 99, 739-745.	2.5	20
39	Plasma transferrin and hemopexin are associated with altered A β uptake and cognitive decline in Alzheimer's disease pathology. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 72.	3.0	19
40	The combined effects on neuronal activation and blood-brain barrier permeability of time and n-3 polyunsaturated fatty acids in mice, as measured in vivo using MEMRI. <i>NeuroImage</i> , 2010, 50, 1384-1391.	2.1	18
41	MR-labelled liposomes and focused ultrasound for spatiotemporally controlled drug release in triple negative breast cancers in mice. <i>Nanotheranostics</i> , 2021, 5, 125-142.	2.7	18
42	Cationic lipid-based nanoparticles mediate functional delivery of acetate to tumor cells in vivo leading to significant anticancer effects. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 6677-6685.	3.3	16
43	¹ H-NMR spectroscopy of biofluids and the investigation of xenobiotic-induced changes in liver biochemistry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1990, 8, 945-949.	1.4	14
44	Endogenous salivary citrate is associated with enhanced rheological properties following oral capsaicin stimulation. <i>Experimental Physiology</i> , 2020, 105, 96-107.	0.9	14
45	Generic method for imaging transgene expression. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 218-221.	1.9	12
46	Synthesis of a novel smart bifunctional chelating agent 1-(2-[[2,6-galactopyranosyloxy]ethyl)-7-(1-carboxy-3-[4-aminophenyl]propyl)-4,10-bis(carboxymethyl)-1,4,7,10-tetraazacyclododecane (Gal-PA-DO3A-NH ₂) and its Gd(III) complex. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4714-4721.	2.2	12
47	Multilayered nanocoatings incorporating superparamagnetic nanoparticles for tracking of pancreatic islet transplants with magnetic resonance imaging. <i>Chemical Communications</i> , 2013, 49, 7255.	2.2	12
48	Enhanced energy metabolism during cold hypoxic organ preservation: studies on rat liver after pyruvate supplementation. <i>Cryobiology</i> , 2003, 46, 295-300.	0.3	11
49	Quantitative MRI susceptibility mapping reveals cortical signatures of changes in iron, calcium and zinc in malformations of cortical development in children with drug-resistant epilepsy. <i>NeuroImage</i> , 2021, 238, 118102.	2.1	11
50	Limited Penetration of Perfluorocarbon in Porcine Pancreas Preserved by Two-Layer Method with ¹⁹ F Magnetic Resonance Spectroscopy and Headspace Gas Chromatography. <i>Cell Transplantation</i> , 2010, 19, 1021-1029.	1.2	10
51	Magnetization transfer ratio may be a surrogate of spongiform change in human prion diseases. <i>Brain</i> , 2010, 133, 3058-3068.	3.7	10
52	Inflammatory modulation of stem cells by Magnetic Resonance Imaging (MRI)-detectable nanoparticles. <i>RSC Advances</i> , 2014, 4, 31706-31709.	1.7	9
53	Preclinical Models of Graves' Disease and Associated Secondary Complications. <i>Current Pharmaceutical Design</i> , 2015, 21, 2414-2421.	0.9	9
54	A Comparison of the Metabolic Effects of Continuous Hypothermic Perfusion or Oxygenated Persufflation during Hypothermic Storage of Rat Liver. <i>Cryobiology</i> , 2001, 43, 238-247.	0.3	8

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55	Manganese enhancement in non-CNS organs. <i>NMR in Biomedicine</i> , 2010, 23, 931-938.	1.6	8
56	Profiling metabolite changes in the neuronal differentiation of human striatal neural stem cells using ¹ H-magnetic resonance spectroscopy. <i>NeuroReport</i> , 2013, 24, 1035-1040.	0.6	8
57	Low Cerebrospinal Fluid Levels of Melanotransferrin Are Associated With Conversion of Mild Cognitively Impaired Subjects to Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 181.	1.4	8
58	Metabolic Effects of Citrate in Liver during Cold Hypoxia Studied by ¹ H NMR Spectroscopy. <i>Cryobiology</i> , 1998, 36, 225-235.	0.3	7
59	Gadolinium chloride as a contrast agent for imaging wood composite components by magnetic resonance. <i>Holzforschung</i> , 2009, 63, 75-79.	0.9	7
60	Low Cerebrospinal Fluid Levels of Hemopexin Are Associated With Increased Alzheimer's Pathology, Hippocampal Hypometabolism, and Cognitive Decline. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 590979.	1.6	7
61	Hepatic Uptake of Solutes from the Preservation Solution during Hypothermic Storage: A ¹ H NMR Study in Rat Liver. <i>Cryobiology</i> , 2001, 42, 307-313.	0.3	6
62	Metabolic Profiling of the Rat Liver After Chronic Ingestion of Alpha-Naphthylisothiocyanate Using In Vivo and Ex Vivo Magnetic Resonance Spectroscopy. <i>Toxicological Sciences</i> , 2012, 126, 306-316.	1.4	4
63	Application of magnetic resonance methods to studies of gene therapy. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2007, 51, 49-62.	3.9	3
64	MRI detection of prion protein plaques in variant Creutzfeldt-Jakob disease. <i>Neurology</i> , 2015, 84, 1498-1499.	1.5	3
65	Diagonal-SPRITE and Its Applications for In Vivo Imaging at High Field. <i>The Open Magnetic Resonance Journal</i> , 2009, 2, 1-7.	0.5	3
66	Non-invasive genetic imaging for molecular and cell therapies of cancer. <i>Clinical and Translational Oncology</i> , 2007, 9, 703-714.	1.2	2
67	The Application of In Vivo MRI and MRS in Phenomic Studies of Murine Models of Disease. , 2008, , 769-785.		1
68	Effects of iron and/or inflammation on regional brain magnetic resonance imaging T1 and T2 in an Alzheimer's disease mouse model. <i>Alzheimer's and Dementia</i> , 2020, 16, e040871.	0.4	1
69	The effects of different buffers on glycolysis in rat liver during cold ischaemic preservation. <i>Biochemical Society Transactions</i> , 1997, 25, 416S-416S.	1.6	0
70	59 Maintenance of oxidative phosphorylation in the cold stored rat liver. <i>Biochemical Society Transactions</i> , 1998, 26, S351-S351.	1.6	0
71	P103 Metabolic profiling of the rat liver after chronic ingestion of α -naphthylisothiocyanate using in vivo and ex vivo magnetic resonance spectroscopy. <i>Gut</i> , 2011, 60, A48-A48.	6.1	0
72	The Application of In Vivo MRI and MRS in Phenomic Studies of Murine Models of Disease. , 2018, , 19-62.		0

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73	The Application of In Vivo MRI and MRS in Phenomic Studies of Murine Models of Disease. , 2017, , 1-44.		0