Po-Wah So

List of Publications by Year
in descending order

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	MR-labelled liposomes and focused ultrasound for spatiotemporally controlled drug release in triple negative breast cancers in mice. Nanotheranostics, 2021, 5, 125-142.	2.7	18
2	Image-guided thermosensitive liposomes for focused ultrasound enhanced co-delivery of carboplatin and SN-38 against triple negative breast cancer in mice. Biomaterials, 2021, 271, 120758.	5.7	25
3	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. NeuroImage, 2021, 238, 118102.	2.1	11
4	Endogenous salivary citrate is associated with enhanced rheological properties following oral capsaicin stimulation. Experimental Physiology, 2020, 105, 96-107.	0.9	14
5	Spotlight on Ferroptosis: Iron-Dependent Cell Death in Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2020, 12, 196.	1.7	47
6	Low Cerebrospinal Fluid Levels of Hemopexin Are Associated With Increased Alzheimer's Pathology, Hippocampal Hypometabolism, and Cognitive Decline. Frontiers in Molecular Biosciences, 2020, 7, 590979.	1.6	7
7	Effects of iron and/or inflammation on regional brain magnetic resonance imaging T1 and T2 in an Alzheimerâ€™s disease mouse model. Alzheimer's and Dementia, 2020, 16, e040871.	0.4	1
8	Intraoral Microbial Metabolism and Association with Host Taste Perception. Journal of Dental Research, 2020, 99, 739-745.	2.5	20
9	Plasma transferrin and hemopexin are associated with altered AÎ² uptake and cognitive decline in Alzheimerâ€™s disease pathology. Alzheimer's Research and Therapy, 2020, 12, 72.	3.0	19
10	Iron dyshomeostasis, lipid peroxidation and perturbed expression of cystine/glutamate antiporter in Alzheimerâ€™s disease: Evidence of ferroptosis. Redox Biology, 2020, 32, 101494.	3.9	154
11	Salivary Metabolomics: From Diagnostic Biomarker Discovery to Investigating Biological Function. Metabolites, 2020, 10, 47.	1.3	89
12	Determining bacterial and host contributions to the human salivary metabolome. Journal of Oral Microbiology, 2019, 11, 1617014.	1.2	40
13	Low Cerebrospinal Fluid Levels of Melanotransferrin Are Associated With Conversion of Mild Cognitively Impaired Subjects to Alzheimerâ€™s Disease. Frontiers in Neuroscience, 2019, 13, 181.	1.4	8
14	Pattern of Altered Plasma Elemental Phosphorus, Calcium, Zinc, and Iron in Alzheimerâ€™s Disease. Scientific Reports, 2019, 9, 3147.	1.6	25
15	Intraperitoneal delivery of acetate-encapsulated liposomal nanoparticles for neuroprotection of the penumbra in a rat model of ischemic stroke . International Journal of Nanomedicine, 2019, Volume 14, 1979-1991.	3.3	30
16	Regional Distributions of Iron, Copper and Zinc and Their Relationships With Glia in a Normal Aging Mouse Model. Frontiers in Aging Neuroscience, 2019, 11, 351.	1.7	43
17	Developing and Standardizing a Protocol for Quantitative Proton Nuclear Magnetic Resonance (¹H NMR) Spectroscopy of Saliva. Journal of Proteome Research, 2018, 17, 1521-1531.	1.8	52
18	Layered gadolinium hydroxides for simultaneous drug delivery and imaging. Dalton Transactions, 2018, 47, 3166-3177.	1.6	22

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19	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
20	Voxel-wise comparisons of cellular microstructure and diffusion-MRI in mouse hippocampus using 3D Bridging of Optically-clear histology with Neuroimaging Data (3D-BOND). Scientific Reports, 2018, 8, 4011.	1.6	47
21	The Aging of Iron Man. Frontiers in Aging Neuroscience, 2018, 10, 65.	1.7	121
22	The Application of In Vivo MRI and MRS in Phenomic Studies of Murine Models of Disease. , 2018, , 19-62.		0
23	9.4 T MR microscopy of the substantia nigra with pathological validation in controls and disease. NeuroImage: Clinical, 2017, 13, 154-163.	1.4	49
24	Cationic lipid-based nanoparticles mediate functional delivery of acetate to tumor cells in vivo leading to significant anticancer effects. International Journal of Nanomedicine, 2017, Volume 12, 6677-6685.	3.3	16
25	The Application of In Vivo MRI and MRS in Phenomic Studies of Murine Models of Disease. , 2017, , 1-44.		0
26	Dissociation between iron accumulation and ferritin upregulation in the aged substantia nigra: attenuation by dietary restriction. Aging, 2016, 8, 2488-2508.	1.4	43
27	Targeting Glia with N-Acetylcysteine Modulates Brain Glutamate and Behaviors Relevant to Neurodevelopmental Disorders in C57BL/6J Mice. Frontiers in Behavioral Neuroscience, 2015, 9, 343.	1.0	32
28	Longitudinal in vivo maturational changes of metabolites in the prefrontal cortex of rats exposed to polyinosinicâ€“polycytidylic acid in utero. European Neuropsychopharmacology, 2015, 25, 2210-2220.	0.3	32
29	c-Kit+ progenitors generate vascular cells for tissue-engineered grafts through modulation of the Wnt/Klf4 pathway. Biomaterials, 2015, 60, 53-61.	5.7	29
30	MRI detection of prion protein plaques in variant Creutzfeldt-Jakob disease. Neurology, 2015, 84, 1498-1499.	1.5	3
31	Preclinical Models of Gravesâ€™ Disease and Associated Secondary Complications. Current Pharmaceutical Design, 2015, 21, 2414-2421.	0.9	9
32	Role of miR-195 in Aortic Aneurysmal Disease. Circulation Research, 2014, 115, 857-866.	2.0	93
33	Inflammatory modulation of stem cells by Magnetic Resonance Imaging (MRI)-detectable nanoparticles. RSC Advances, 2014, 4, 31706-31709.	1.7	9
34	A novel calibration strategy for the quantitative imaging of iron in biological tissues by LA-ICP-MS using matrix-matched standards and internal standardisation. Journal of Analytical Atomic Spectrometry, 2014, 29, 1378-1384.	1.6	41
35	Multilayered nanocoatings incorporating superparamagnetic nanoparticles for tracking of pancreatic islet transplants with magnetic resonance imaging. Chemical Communications, 2013, 49, 7255.	2.2	12
36	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

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37	Profiling metabolite changes in the neuronal differentiation of human striatal neural stem cells using 1H-magnetic resonance spectroscopy. NeuroReport, 2013, 24, 1035-1040.	0.6	8
38	Metabolic Profiling of the Rat Liver After Chronic Ingestion of Alpha-Naphthylisothiocyanate Using In Vivo and Ex Vivo Magnetic Resonance Spectroscopy. Toxicological Sciences, 2012, 126, 306-316.	1.4	4
39	Fermentable Carbohydrate Alters Hypothalamic Neuronal Activity and Protects Against the Obesogenic Environment. Obesity, 2012, 20, 1016-1023.	1.5	72
40	High resolution MR anatomy of the subthalamic nucleus: Imaging at 9.4T with histological validation. NeuroImage, 2012, 59, 2035-2044.	2.1	81
41	P103 Metabolic profiling of the rat liver after chronic ingestion of Â-naphthylisothiocyanate using in vivo and ex vivo magnetic resonance spectroscopy. Gut, 2011, 60, A48-A48.	6.1	0
42	A Low Molecular Weight Folate Receptor Targeted Contrast Agent for Magnetic Resonance Tumor Imaging. Molecular Imaging and Biology, 2011, 13, 653-662.	1.3	27
43	Glycans in Magnetic Resonance Imaging: Determinants of Relaxivity to Smart Agents, and Potential Applications in Biomedicine. Current Medicinal Chemistry, 2011, 18, 1002-1018.	1.2	21
44	Limited Penetration of Perfluorocarbon in Porcine Pancreas Preserved by Two-Layer Method with 19Fluorine Magnetic Resonance Spectroscopy and Headspace Gas Chromatography. Cell Transplantation, 2010, 19, 1021-1029.	1.2	10
45	Efficient and Rapid Labeling of Transplanted Cell Populations with Superparamagnetic Iron Oxide Nanoparticles Using Cell Surface Chemical Biotinylation for in Vivo Monitoring by MRI. Cell Transplantation, 2010, 19, 419-429.	1.2	25
46	Manganese enhancement in nonâ€CNS organs. NMR in Biomedicine, 2010, 23, 931-938.	1.6	8
47	High field (9.4 Tesla) magnetic resonance imaging of cortical grey matter lesions in multiple sclerosis. Brain, 2010, 133, 858-867.	3.7	138
48	Magnetization transfer ratio may be a surrogate of spongiform change in human prion diseases. Brain, 2010, 133, 3058-3068.	3.7	10
49	The combined effects on neuronal activation and bloodâ€“brain barrier permeability of time and n-3 polyunsaturated fatty acids in mice, as measured in vivo using MEMRI. NeuroImage, 2010, 50, 1384-1391.	2.1	18
50	Gadolinium chloride as a contrast agent for imaging wood composite components by magnetic resonance. Holzforschung, 2009, 63, 75-79.	0.9	7
51	Direct visualization of remyelination in multiple sclerosis using T2-weighted high-field MRI. Neurology, 2009, 72, 472-472.	1.5	21
52	Diagonal-SPRITE and Its Applications for In Vivo Imaging at High Field. The Open Magnetic Resonance Journal, 2009, 2, 1-7.	0.5	3
53	The Application of In Vivo MRI and MRS in Phenomic Studies of Murine Models of Disease. , 2008, , 769-785.		1
54	Bimodal Paramagnetic and Fluorescent Liposomes for Cellular and Tumor Magnetic Resonance Imaging. Bioconjugate Chemistry, 2008, 19, 118-129.	1.8	117

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55	The Temporal Sequence of Gut Peptideâ€“CNS Interactions TrackedIn Vivoby Magnetic Resonance Imaging. Journal of Neuroscience, 2007, 27, 12341-12348.	1.7	31
56	Synthesis of a novel â€˜smartâ€™ bifunctional chelating agent 1-(2-[Î²,d-galactopyranosyloxy]ethyl)-7-(1-carboxy-3-[4-aminophenyl]propyl)-4,10-bis(carboxymethyl)-1,4,7,10-tetraazacyclododecane (Gal-PA-DO3A-NH2) and its Gd(III) complex. Bioorganic and Medicinal Chemistry, 2007, 15, 4714-4721.	2.4	12
57	Application of magnetic resonance methods to studies of gene therapy. Progress in Nuclear Magnetic Resonance Spectroscopy, 2007, 51, 49-62.	3.9	3
58	Non-invasive genetic imaging for molecular and cell therapies of cancer. Clinical and Translational Oncology, 2007, 9, 703-714.	1.2	2
59	Impact of Resistant Starch on Body Fat Patterning and Central Appetite Regulation. PLoS ONE, 2007, 2, e1309.	1.1	111
60	Manganese-enhanced magnetic resonance imaging (MEMRI) without compromise of the bloodâ€“brain barrier detects hypothalamic neuronal activityin vivo. NMR in Biomedicine, 2006, 19, 1028-1034.	1.6	57
61	Veganism and its relationship with insulin resistance and intramyocellular lipid. European Journal of Clinical Nutrition, 2005, 59, 291-298.	1.3	61
62	Adiposity induced by adenovirus 5 inoculation. International Journal of Obesity, 2005, 29, 603-606.	1.6	58
63	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
64	Generic method for imaging transgene expression. Magnetic Resonance in Medicine, 2005, 54, 218-221.	1.9	12
65	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
66	Contrast enhancement of short T2 tissues using ultrashort TE (UTE) pulse sequences. Clinical Radiology, 2004, 59, 720-726.	0.5	43
67	Enhanced energy metabolism during cold hypoxic organ preservation: studies on rat liver after pyruvate supplementation. Cryobiology, 2003, 46, 295-300.	0.3	11
68	Hepatic Uptake of Solutes from the Preservation Solution during Hypothermic Storage: A 1H NMR Study in Rat Liver. Cryobiology, 2001, 42, 307-313.	0.3	6
69	A Comparison of the Metabolic Effects of Continuous Hypothermic Perfusion or Oxygenated Persufflation during Hypothermic Storage of Rat Liver. Cryobiology, 2001, 43, 238-247.	0.3	8
70	Metabolic Effects of Citrate in Liver during Cold Hypoxia Studied by1H NMR Spectroscopy. Cryobiology, 1998, 36, 225-235.	0.3	7
71	59 Maintenance of oxidative phosphorylation in the cold stored rat liver. Biochemical Society Transactions, 1998, 26, S351-S351.	1.6	0
72	The effects of different buffers on glycolysis in rat liver during cold ischaemic preservation. Biochemical Society Transactions, 1997, 25, 416S-416S.	1.6	0

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73	1H-NMR spectroscopy of biofluids and the investigation of xenobiotic-induced changes in liver biochemistry. Journal of Pharmaceutical and Biomedical Analysis, 1990, 8, 945-949.	1.4	14