

# Wing P Chan

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

1,463  
citations

361413

20  
h-index

395702

33  
g-index

103  
all docs

103  
docs citations

103  
times ranked

1784  
citing authors

#	ARTICLE	IF	CITATIONS
1	Avulsion Fracture of the Head of the Fibula (the "Arcuate" Sign): MR Imaging Findings Predictive of Injuries to the Posterolateral Ligaments and Posterior Cruciate Ligament. American Journal of Roentgenology, 2003, 180, 381-387.	2.2	144
2	EZH2 in Cancer Progression and Potential Application in Cancer Therapy: A Friend or Foe?. International Journal of Molecular Sciences, 2017, 18, 1172.	4.1	73
3	Federated learning: a collaborative effort to achieve better medical imaging models for individual sites that have small labelled datasets. Quantitative Imaging in Medicine and Surgery, 2021, 11, 852-857.	2.0	64
4	Prominent Vessel Sign on Susceptibility-Weighted Imaging in Acute Stroke: Prediction of Infarct Growth and Clinical Outcome. PLoS ONE, 2015, 10, e0131118.	2.5	63
5	MR Imaging of Primary Skeletal Muscle Diseases in Children. American Journal of Roentgenology, 2002, 179, 989-997.	2.2	61
6	Impact of the COVID-19 pandemic on a population-based breast cancer screening program. Cancer, 2020, 126, 5202-5205.	4.1	48
7	Relationship of Idiopathic Osteonecrosis of the Femoral Head to Perfusion Changes in the Proximal Femur by Dynamic Contrast-Enhanced MRI. American Journal of Roentgenology, 2011, 196, 637-643.	2.2	42
8	Three-dimensional structure and cytokine distribution of platelet-rich fibrin. Clinics, 2017, 72, 116-124.	1.5	39
9	Mycoplasma pneumoniae: Clinical and radiographic features in 39 children. Pediatrics International, 2007, 49, 363-367.	0.5	38
10	Prevalence of Osteoporosis and Low Bone Mass in Older Chinese Population Based on Bone Mineral Density at Multiple Skeletal Sites. Scientific Reports, 2016, 6, 25206.	3.3	38
11	Single-Stage Cartilage Repair Using Platelet-Rich Fibrin Scaffolds With Autologous Cartilaginous Grafts. American Journal of Sports Medicine, 2017, 45, 3128-3142.	4.2	38
12	Silk fibroin protein-based nonwoven mats incorporating baicalin Chinese herbal extract: preparation, characterizations, and <i>in vivo</i> evaluation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2017, 105, 420-430.	3.4	35
13	Malignant transformation of an ovarian mature cystic teratoma: computed tomography findings. Archives of Gynecology and Obstetrics, 2005, 271, 355-357.	1.7	32
14	Radiographic joint space narrowing in osteoarthritis of the knee: relationship to meniscal tears and duration of pain. Skeletal Radiology, 2008, 37, 917-922.	2.0	32
15	Lumbar muscle volume in postmenopausal women with osteoporotic compression fractures: quantitative measurement using MRI. European Radiology, 2019, 29, 4999-5006.	4.5	30
16	Reproducibility and Repeatability of Computer Tomography-based Measurement of Abdominal Subcutaneous and Visceral Adipose Tissues. Scientific Reports, 2017, 7, 40389.	3.3	26
17	Platelet-Rich Fibrin Facilitates Rabbit Meniscal Repair by Promoting Meniscocytes Proliferation, Migration, and Extracellular Matrix Synthesis. International Journal of Molecular Sciences, 2017, 18, 1722.	4.1	26
18	Intervertebral Disk Degeneration Related to Reduced Vertebral Marrow Perfusion at Dynamic Contrast-Enhanced MRI. American Journal of Roentgenology, 2009, 192, 974-979.	2.2	25

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19	Estrogen/ER $\alpha$ signaling axis participates in osteoblast maturation via upregulating chromosomal and mitochondrial complex gene expressions. <i>Oncotarget</i> , 2018, 9, 1169-1186.	1.8	25
20	Imaging Features of Soft-Tissue Calcifications and Related Diseases: A Systematic Approach. <i>Korean Journal of Radiology</i> , 2018, 19, 1147.	3.4	24
21	Coronary artery segmentation under class imbalance using a U-Net based architecture on computed tomography angiography images. <i>Scientific Reports</i> , 2021, 11, 14493.	3.3	20
22	The proper use of coronary calcium score and coronary computed tomography angiography for screening asymptomatic patients with cardiovascular risk factors. <i>Scientific Reports</i> , 2017, 7, 17653.	3.3	19
23	Machine Learning Can Improve Clinical Detection of Low BMD: The DXA-HIP Study. <i>Journal of Clinical Densitometry</i> , 2021, 24, 527-537.	1.2	19
24	Protein supplementation increases adaptations to endurance training: A systematic review and meta-analysis. <i>Clinical Nutrition</i> , 2021, 40, 3123-3132.	5.0	19
25	Primary Squamous Cell Carcinoma of the Thyroid Gland With Eggshell Calcification. <i>Journal of Ultrasound in Medicine</i> , 2010, 29, 1667-1670.	1.7	17
26	Alginate/Poly( <i>L</i> -glutamic Acid) Base Biocompatible Gel for Bone Tissue Engineering. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	17
27	Students' view upon graduation: a survey of medical education in Taiwan. <i>BMC Medical Education</i> , 2012, 12, 127.	2.4	16
28	Effects of belt speed on the body's center of mass motion relative to the center of pressure during treadmill walking. <i>Gait and Posture</i> , 2017, 51, 109-115.	1.4	16
29	Treatment of osteoporosis after hip fracture is associated with lower all-cause mortality: A nationwide population study. <i>Bone</i> , 2022, 154, 116216.	2.9	16
30	Osseous Injury Associated with Ligamentous Tear of the Knee. <i>Canadian Association of Radiologists Journal</i> , 2016, 67, 379-386.	2.0	15
31	Relationships of Age and Sex with Cytokine Content and Distribution in Human Platelet Fibrin Gels. <i>Scientific Reports</i> , 2018, 8, 10642.	3.3	15
32	Platelet-Rich Fibrin Facilitates One-Stage Cartilage Repair by Promoting Chondrocytes Viability, Migration, and Matrix Synthesis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 577.	4.1	15
33	Magnetic resonance imaging of soft-tissue tumors of the extremities: A practical approach. <i>World Journal of Radiology</i> , 2013, 5, 455.	1.1	15
34	Pharmacologic intervention for prevention of fractures in osteopenic and osteoporotic postmenopausal women: Systemic review and meta-analysis. <i>Bone Reports</i> , 2020, 13, 100729.	0.4	14
35	Evaluation of bone mineral density of the lumbar spine and proximal femur in population-based routine health examinations of healthy asians. <i>Acta Radiologica</i> , 2004, 45, 59-64.	1.1	13
36	Comparison of body's center of mass motion relative to center of pressure between treadmill and over-ground walking. <i>Gait and Posture</i> , 2017, 53, 248-253.	1.4	13

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37	The value of MR T2* measurements in normal and osteoarthritic knee cartilage: effects of age, sex, and location. <i>European Radiology</i> , 2019, 29, 4514-4522.	4.5	13
38	MRI of alveolar soft-part sarcoma. <i>Computerized Medical Imaging and Graphics</i> , 2006, 30, 479-482.	5.8	11
39	Dual-energy X-ray absorptiometry-assessed adipose tissues in metabolically unhealthy normal weight Asians. <i>Scientific Reports</i> , 2019, 9, 17698.	3.3	11
40	Validation of neuroimaging-based brain age gap as a mediator between modifiable risk factors and cognition. <i>Neurobiology of Aging</i> , 2022, 114, 61-72.	3.1	11
41	Sonographic criteria predictive of benign thyroid nodules useful in avoiding unnecessary ultrasound-guided fine needle aspiration. <i>Journal of the Formosan Medical Association</i> , 2015, 114, 590-597.	1.7	10
42	Histological and Immunohistochemical Analyses of Repair of the Disc in the Rabbit Temporomandibular Joint Using a Collagen Template. <i>Materials</i> , 2017, 10, 924.	2.9	10
43	Gender interactions between vertebral bone mineral density and fat content in the elderly: Assessment using fat-water MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 1382-1389.	3.4	10
44	MRI of hemangiopericytoma in the sacrum. <i>Skeletal Radiology</i> , 2004, 33, 485-7.	2.0	9
45	Role of three-dimensional rotational venography in evaluation of the left iliac vein in patients with chronic lower limb edema. <i>International Journal of Cardiovascular Imaging</i> , 2011, 27, 923-929.	1.5	9
46	Large-volume iodinated contrast medium extravasation: low frequency and good outcome after conservative management in a single-centre cohort of more than 67,000 patients. <i>European Radiology</i> , 2018, 28, 5376-5383.	4.5	9
47	Effects of protein supplementation on aerobic training-induced gains in cardiopulmonary fitness, muscle mass, and functional performance in chronic stroke: A randomized controlled pilot study. <i>Clinical Nutrition</i> , 2020, 39, 2743-2750.	5.0	9
48	Bioceramic Resonance Effect on Meridian Channels: A Pilot Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-9.	1.2	8
49	Eye Shielding During Head CT Scans: Dose Reduction and Image Quality Evaluation. <i>Academic Radiology</i> , 2020, 27, 1523-1530.	2.5	8
50	Management and infection control practices in a Taiwanese radiology department during the COVID-19 outbreak. <i>Journal of Microbiology, Immunology and Infection</i> , 2021, 54, 349-358.	3.1	8
51	The Irish dual-energy X-ray absorptiometry (DXA) Health Informatics Prediction (HIP) for Osteoporosis Project. <i>BMJ Open</i> , 2020, 10, e040488.	1.9	8
52	Machine Learning Algorithm for Distinguishing Ductal Carcinoma In Situ from Invasive Breast Cancer. <i>Cancers</i> , 2022, 14, 2437.	3.7	8
53	The Effect of Photoluminescence of Bioceramic Irradiation on Middle Cerebral Arterial Occlusion in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-9.	1.2	7
54	Predicting Mortality in Patients With Malignant Middle Cerebral Artery Infarction Using Susceptibility-Weighted Magnetic Resonance Imaging. <i>Medicine (United States)</i> , 2016, 95, e2781.	1.0	7

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55	Topogram-based tube current modulation of head computed tomography for optimizing image quality while protecting the eye lens with shielding. <i>Acta Radiologica</i> , 2019, 60, 61-67.	1.1	7
56	Today's radiologists meet tomorrow's AI: the promises, pitfalls, and unbridled potential. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2775-2779.	2.0	7
57	Effects of congruence between preferred and perceived learning environments in nursing education in Taiwan: a cross-sectional study. <i>BMJ Open</i> , 2016, 6, e009925.	1.9	6
58	A technology developed from concept of acupuncture and meridian system, the clinical effect of BIO-CERAMIC resonance on psychological related sleep disturbance with findings on questionnaire, EEG and fMRI. <i>Journal of Traditional and Complementary Medicine</i> , 2018, 8, 289-295.	2.7	6
59	Characterization and management of various renal cystic lesions by sonographic features. <i>Journal of the Chinese Medical Association</i> , 2018, 81, 1017-1026.	1.4	6
60	Reliability of Synthetic Brain MRI for Assessment of Ischemic Stroke with Phantom Validation of a Relaxation Time Determination Method. <i>Journal of Clinical Medicine</i> , 2020, 9, 1857.	2.4	6
61	Utility of Osteoporosis Self-Assessment Tool as a Screening Tool for Osteoporosis in Irish Men and Women: Results of the DXA-HIP Project. <i>Journal of Clinical Densitometry</i> , 2021, 24, 516-526.	1.2	6
62	Creation of a reflecting formula to determine a patient's indication for undergoing total knee arthroplasty. <i>Journal of Orthopaedic Science</i> , 2010, 15, 44-50.	1.1	5
63	Combined native magnetic resonance angiography, flow-quantifying, and perfusion-imaging for impending second-stroke assessment. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 521-529.	2.0	5
64	Peritoneal tuberculosis with elevated CA-125 mimicking ovarian cancer with carcinomatosis peritonei: Crucial CT findings. <i>EXCLI Journal</i> , 2016, 15, 711-715.	0.7	5
65	Effects of paired stimulation with specific waveforms on cortical and spinal plasticity in subjects with a chronic spinal cord injury. <i>Journal of the Formosan Medical Association</i> , 2022, 121, 2044-2056.	1.7	5
66	Bilateral spontaneous peripelvic urinary extravasation. <i>Kidney International</i> , 2014, 86, 448.	5.2	4
67	A Multivariate Empirical Mode Decomposition-Based Data-Driven Approach for Extracting Task-Dependent Hemodynamic Responses in Olfactory-Induced fMRI. <i>IEEE Access</i> , 2019, 7, 15375-15388.	4.2	4
68	Inter- and Intra-Rater Reliability of Individual Cerebral Blood Flow Measured by Quantitative Vessel-Flow Phase-Contrast MRI. <i>Journal of Clinical Medicine</i> , 2020, 9, 3099.	2.4	4
69	Assessing a population's need for scintigraphy: use under universal health insurance in Taiwan. <i>Nuclear Medicine Communications</i> , 2010, 31, 375-379.	1.1	4
70	A Muscle Biosignature Differentiating Between Limb-Girdle Muscular Dystrophy and Idiopathic Inflammatory Myopathy on Magnetic Resonance Imaging. <i>Frontiers in Neurology</i> , 2021, 12, 783095.	2.4	4
71	Pharmacological Prevention of Hypersensitivity Reactions Caused by Iodinated Contrast Media: A Systematic Review and Meta-Analysis. <i>Diagnostics</i> , 2022, 12, 1673.	2.6	4
72	Management of a sandbag accident in an MRI unit. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1187-1189.	1.8	3

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73	A Nonsurgical Solution: Jefferson (Burst) Fracture. <i>American Journal of Medicine</i> , 2018, 131, 1061-1063.	1.5	3
74	Top-Ten Pitfalls When Imaging Osteoporosis. <i>Seminars in Musculoskeletal Radiology</i> , 2019, 23, 453-464.	0.7	3
75	Anatomical relationships between medullary veins and three types of deep-seated malignant brain tumors as detected by susceptibility-weighted imaging. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 164-169.	1.4	3
76	Considerations and a call to action for the use of noncontact forehead infrared handheld thermometers during the COVID-19 pandemic. <i>Journal of Global Health</i> , 2021, 11, 03023.	2.7	3
77	Bismuth breast-shield use in chest computed tomography for efficient dose reduction and sufficient image quality. <i>Medicine (United States)</i> , 2021, 100, e26277.	1.0	3
78	Acute Mesenteric Vein Thrombosis in a Pregnant Patient at 10 Weeks Gestation: A Case Report. <i>Diagnostics</i> , 2021, 11, 1348.	2.6	3
79	DIAGNOSIS OF INFLAMMATORY PSEUDOTUMOUR OF THE URINARY BLADDER AIDED BY DYNAMIC COMPUTED TOMOGRAPHY. <i>Acta Clinica Belgica</i> , 2010, 65, 360-360.	1.2	2
80	Patient safety during radiological examinations: a nationwide survey of residency training hospitals in Taiwan. <i>BMJ Open</i> , 2016, 6, e010756.	1.9	2
81	Selecting Appropriate Sarcopenia Screening Methods for Asian Populations. <i>Journal of Clinical Medicine</i> , 2020, 9, 2333.	2.4	2
82	Quantifying lumbar vertebral perfusion by a Tofts model on DCE-MRI using segmental versus aortic arterial input function. <i>Scientific Reports</i> , 2021, 11, 2920.	3.3	2
83	APQS consensus regarding patient shielding during routine radiographic imaging. <i>British Journal of Radiology</i> , 2021, 94, 20210252.	2.2	2
84	Bilateral Supernumerary Kidney. <i>Journal of Korean Medical Science</i> , 2016, 31, 822.	2.5	2
85	How does proximal femur BMD of healthy Irish adults compare to NHANES III? Results of the DXA-HIP Project. <i>Archives of Osteoporosis</i> , 2021, 16, 170.	2.4	2
86	End-to-End Calcification Distribution Pattern Recognition for Mammograms: An Interpretable Approach with GNN. <i>Diagnostics</i> , 2022, 12, 1376.	2.6	2
87	Uncertainty and Its Consequences in Clinical Practice. <i>Journal of Korean Medical Science</i> , 2015, 30, 1710.	2.5	1
88	Whole-Systems Approach to Patient Safety: Can We Do More?. <i>Journal of the American College of Radiology</i> , 2016, 13, 1501-1504.	1.8	1
89	Practice Standards Developed and Quality Improvement for Use of Coronary CT Angiography in Taiwan. <i>Journal of the American College of Radiology</i> , 2018, 15, 920-924.	1.8	1
90	Consensus survey on pre-procedural safety practices in radiological examinations: a multicenter study in seven Asian regions. <i>British Journal of Radiology</i> , 2020, 93, 20200082.	2.2	1

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91	Acute ischemic stroke induces magnetic resonance susceptibility signs dominated by endothelial nitric oxide synthase activation. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2201-2211.	3.0	1
92	Integrating Muscle Health in Predicting the Risk of Asymptomatic Vertebral Fracture in Older Adults. <i>Journal of Clinical Medicine</i> , 2021, 10, 1129.	2.4	1
93	Muscle Mass and Gait Characteristics in Older Women Fallers vs. Non-Fallers. <i>Journal of Clinical Medicine</i> , 2021, 10, 3924.	2.4	1
94	Differential Associations of White Matter Brain Age With Language-Related Mechanisms in Word-Finding Ability Across the Adult Lifespan. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 701565.	3.4	1
95	Continuous use of metformin in patients receiving contrast medium: what is the evidence? A systematic review and meta-analysis. <i>European Radiology</i> , 2022, 32, 3045-3055.	4.5	1
96	Radial T2* mapping reveals early meniscal abnormalities in patients with knee osteoarthritis. <i>European Radiology</i> , 2022, 32, 5642-5649.	4.5	1
97	Evaluation of Urine Deoxypyridinoline and Bone Mineral Density in 861 Chinese During Routine Health Examination. <i>Journal of Clinical Densitometry</i> , 2004, 7, 307-312.	1.2	0
98	MRI and histology of collagen template implantation and regeneration in rabbit knee meniscus. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2011, 21, 231-234.	1.4	0
99	Effects of Methylprednisolone on Femoral Bone Marrow: Age-Dependent Susceptibility. <i>HIP International</i> , 2013, 23, 500-506.	1.7	0
100	Pelvic mass mimicking advanced tubo-ovarian malignancy with hepatic metastasis. <i>Annals of the Academy of Medicine, Singapore</i> , 2021, 50, 371-373.	0.4	0
101	BatchBMD as an Efficient and Accurate Dual-Energy X-ray Absorptiometry Report Generator. <i>Diagnostics</i> , 2021, 11, 2403.	2.6	0
102	Intensity of arterial structure acquired by Silent MRA estimates cerebral blood flow. <i>Insights Into Imaging</i> , 2021, 12, 185.	3.4	0