

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	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
2	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
3	Radial T2* mapping reveals early meniscal abnormalities in patients with knee osteoarthritis. <i>European Radiology</i> , 2022, 32, 5642-5649.	4.5	1
4	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
5	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
6	Machine Learning Algorithm for Distinguishing Ductal Carcinoma In Situ from Invasive Breast Cancer. <i>Cancers</i> , 2022, 14, 2437.	3.7	8
7	End-to-End Calcification Distribution Pattern Recognition for Mammograms: An Interpretable Approach with GNN. <i>Diagnostics</i> , 2022, 12, 1376.	2.6	2
8	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
9	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
10	Protein supplementation increases adaptations to endurance training: A systematic review and meta-analysis. <i>Clinical Nutrition</i> , 2021, 40, 3123-3132.	5.0	19
11	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
12	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
13	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
14	Federated learning: a collaborative effort to achieve better medical imaging models for individual sites that have small labelled datasets. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 852-857.	2.0	64
15	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
16	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
17	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
18	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

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19	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
20	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
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	APQS consensus regarding patient shielding during routine radiographic imaging. <i>British Journal of Radiology</i> , 2021, 94, 20210252.	2.2	2
23	Acute Mesenteric Vein Thrombosis in a Pregnant Patient at 10 Weeks Gestation: A Case Report. <i>Diagnostics</i> , 2021, 11, 1348.	2.6	3
24	Muscle Mass and Gait Characteristics in Older Women Fallers vs. Non-Fallers. <i>Journal of Clinical Medicine</i> , 2021, 10, 3924.	2.4	1
25	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
26	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
27	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
28	BatchBMD as an Efficient and Accurate Dual-Energy X-ray Absorptiometry Report Generator. <i>Diagnostics</i> , 2021, 11, 2403.	2.6	0
29	Intensity of arterial structure acquired by Silent MRA estimates cerebral blood flow. <i>Insights Into Imaging</i> , 2021, 12, 185.	3.4	0
30	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
31	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
32	Impact of the COVID-19 pandemic on a population-based breast cancer screening program. <i>Cancer</i> , 2020, 126, 5202-5205.	4.1	48
33	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
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	Selecting Appropriate Sarcopenia Screening Methods for Asian Populations. <i>Journal of Clinical Medicine</i> , 2020, 9, 2333.	2.4	2
36	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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37	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
38	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
39	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
40	Eye Shielding During Head CT Scans: Dose Reduction and Image Quality Evaluation. <i>Academic Radiology</i> , 2020, 27, 1523-1530.	2.5	8
41	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
42	Top-Ten Pitfalls When Imaging Osteoporosis. <i>Seminars in Musculoskeletal Radiology</i> , 2019, 23, 453-464.	0.7	3
43	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
44	Lumbar muscle volume in postmenopausal women with osteoporotic compression fractures: quantitative measurement using MRI. <i>European Radiology</i> , 2019, 29, 4999-5006.	4.5	30
45	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
46	Dual-energy X-ray absorptiometry-assessed adipose tissues in metabolically unhealthy normal weight Asians. <i>Scientific Reports</i> , 2019, 9, 17698.	3.3	11
47	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
48	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
49	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
50	A technology developed from concept of acupuncture and meridian system, the clinical effect of BIOCERAMIC 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
51	Imaging Features of Soft-Tissue Calcifications and Related Diseases: A Systematic Approach. <i>Korean Journal of Radiology</i> , 2018, 19, 1147.	3.4	24
52	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
53	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
54	A Nonsurgical Solution: Jefferson (Burst) Fracture. <i>American Journal of Medicine</i> , 2018, 131, 1061-1063.	1.5	3

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55	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
56	Estrogen/ER α signaling axis participates in osteoblast maturation via upregulating chromosomal and mitochondrial complex gene expressions. <i>Oncotarget</i> , 2018, 9, 1169-1186.	1.8	25
57	Silk fibroin protein-based nonwoven mats incorporating baicalin <sc>C</sc>hinese herbal extract: preparation, characterizations, and <i>in vivo</i> evaluation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017, 105, 420-430.	3.4	35
58	Reproducibility and Repeatability of Computer Tomography-based Measurement of Abdominal Subcutaneous and Visceral Adipose Tissues. <i>Scientific Reports</i> , 2017, 7, 40389.	3.3	26
59	Comparison of body \hat{c} TM'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
60	Single-Stage Cartilage Repair Using Platelet-Rich Fibrin Scaffolds With Autologous Cartilaginous Grafts. <i>American Journal of Sports Medicine</i> , 2017, 45, 3128-3142.	4.2	38
61	Effects of belt speed on the body \hat{c} TM'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
62	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
63	Platelet-Rich Fibrin Facilitates Rabbit Meniscal Repair by Promoting Meniscocytes Proliferation, Migration, and Extracellular Matrix Synthesis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1722.	4.1	26
64	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
65	EZH2 in Cancer Progression and Potential Application in Cancer Therapy: A Friend or Foe?. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1172.	4.1	73
66	Three-dimensional structure and cytokine distribution of platelet-rich fibrin. <i>Clinics</i> , 2017, 72, 116-124.	1.5	39
67	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
68	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
69	Predicting Mortality in Patients With \hat{c} Malignant \hat{c} Middle Cerebral Artery Infarction Using Susceptibility-Weighted Magnetic Resonance Imaging. <i>Medicine (United States)</i> , 2016, 95, e2781.	1.0	7
70	Patient safety during radiological examinations: a nationwide survey of residency training hospitals in Taiwan. <i>BMJ Open</i> , 2016, 6, e010756.	1.9	2
71	Osseous Injury Associated with Ligamentous Tear of the Knee. <i>Canadian Association of Radiologists Journal</i> , 2016, 67, 379-386.	2.0	15
72	Prevalence of Osteoporosis and Low Bone Mass in Older Chinese Population Based on Bone Mineral Density at Multiple Skeletal Sites. <i>Scientific Reports</i> , 2016, 6, 25206.	3.3	38

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73	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
74	Bilateral Supernumerary Kidney. <i>Journal of Korean Medical Science</i> , 2016, 31, 822.	2.5	2
75	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
76	Uncertainty and Its Consequences in Clinical Practice. <i>Journal of Korean Medical Science</i> , 2015, 30, 1710.	2.5	1
77	Prominent Vessel Sign on Susceptibility-Weighted Imaging in Acute Stroke: Prediction of Infarct Growth and Clinical Outcome. <i>PLoS ONE</i> , 2015, 10, e0131118.	2.5	63
78	Bioceramic Resonance Effect on Meridian Channels: A Pilot Study. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-9.	1.2	8
79	Alginate/Poly(γ -glutamic Acid) Base Biocompatible Gel for Bone Tissue Engineering. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	17
80	Management of a sandbag accident in an MRI unit. <i>Magnetic Resonance Imaging</i> , 2015, 33, 1187-1189.	1.8	3
81	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
82	Bilateral spontaneous peripelvic urinary extravasation. <i>Kidney International</i> , 2014, 86, 448.	5.2	4
83	Effects of Methylprednisolone on Femoral Bone Marrow: Age-Dependent Susceptibility. <i>HIP International</i> , 2013, 23, 500-506.	1.7	0
84	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
85	Students'™ view upon graduation: a survey of medical education in Taiwan. <i>BMC Medical Education</i> , 2012, 12, 127.	2.4	16
86	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
87	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
88	Relationship of Idiopathic Osteonecrosis of the Femoral Head to Perfusion Changes in the Proximal Femur by Dynamic Contrast-Enhanced MRI. <i>American Journal of Roentgenology</i> , 2011, 196, 637-643.	2.2	42
89	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
90	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

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91	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
92	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
93	Intervertebral Disk Degeneration Related to Reduced Vertebral Marrow Perfusion at Dynamic Contrast-Enhanced MRI. <i>American Journal of Roentgenology</i> , 2009, 192, 974-979.	2.2	25
94	Radiographic joint space narrowing in osteoarthritis of the knee: relationship to meniscal tears and duration of pain. <i>Skeletal Radiology</i> , 2008, 37, 917-922.	2.0	32
95	<i>Mycoplasma pneumoniae</i> : Clinical and radiographic features in 39 children. <i>Pediatrics International</i> , 2007, 49, 363-367.	0.5	38
96	MRI of alveolar soft-part sarcoma. <i>Computerized Medical Imaging and Graphics</i> , 2006, 30, 479-482.	5.8	11
97	Malignant transformation of an ovarian mature cystic teratoma: computed tomography findings. <i>Archives of Gynecology and Obstetrics</i> , 2005, 271, 355-357.	1.7	32
98	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
99	MRI of hemangiopericytoma in the sacrum. <i>Skeletal Radiology</i> , 2004, 33, 485-7.	2.0	9
100	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
101	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. <i>American Journal of Roentgenology</i> , 2003, 180, 381-387.	2.2	144
102	MR Imaging of Primary Skeletal Muscle Diseases in Children. <i>American Journal of Roentgenology</i> , 2002, 179, 989-997.	2.2	61