

Egon Burian

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

728
citations

567281

15
h-index

580821

25
g-index

41
all docs

41
docs citations

41
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of CT, MRI, and F-18 FDG PET/CT for initial N-staging of oral squamous cell carcinoma: a cost-effectiveness analysis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 3870-3877.	6.4	4
2	Initial Raymondâ€Roy Occlusion Classification but not Packing Density Defines Risk for Recurrence after Aneurysm Coiling. <i>Clinical Neuroradiology</i> , 2021, 31, 391-399.	1.9	14
3	Automatic opportunistic osteoporosis screening in routine CT: improved prediction of patients with prevalent vertebral fractures compared to DXA. <i>European Radiology</i> , 2021, 31, 6069-6077.	4.5	50
4	Local Bone Mineral Density, Subcutaneous and Visceral Adipose Tissue Measurements in Routine Multi Detector Computed Tomographyâ€Which Parameter Predicts Incident Vertebral Fractures Best?. <i>Diagnostics</i> , 2021, 11, 240.	2.6	4
5	Texture Features of Proton Density Fat Fraction Maps from Chemical Shift Encoding-Based MRI Predict Paraspinal Muscle Strength. <i>Diagnostics</i> , 2021, 11, 239.	2.6	8
6	Association of Thigh Muscle Strength with Texture Features Based on Proton Density Fat Fraction Maps Derived from Chemical Shift Encoding-Based Waterâ€Fat MRI. <i>Diagnostics</i> , 2021, 11, 302.	2.6	2
7	MDCT-Based Finite Element Analyses: Are Measurements at the Lumbar Spine Associated with the Biomechanical Strength of Functional Spinal Units of Incidental Osteoporotic Fractures along the Thoracolumbar Spine?. <i>Diagnostics</i> , 2021, 11, 455.	2.6	5
8	Federated deep learning for detecting COVID-19 lung abnormalities in CT: a privacy-preserving multinational validation study. <i>Npj Digital Medicine</i> , 2021, 4, 60.	10.9	134
9	SARS-CoV-2 serology increases diagnostic accuracy in CT-suspected, PCR-negative COVID-19 patients during pandemic. <i>Respiratory Research</i> , 2021, 22, 119.	3.6	4
10	Regional variation of thigh muscle fat infiltration in patients with neuromuscular diseases compared to healthy controls. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2610-2621.	2.0	7
11	Geometric accuracy of magnetic resonance imaging<sup>â€ derived virtual ^{3â€dimensional} bone surface models of the mandible in comparison to computed tomography and cone beam computed tomography[:] A porcine cadaver study. <i>Clinical Implant Dentistry and Related Research</i> , 2021, 23, 779-788.	3.7	9
12	Low-dose MDCT: evaluation of the impact of systematic tube current reduction and sparse sampling on quantitative paraspinal muscle assessment. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 3042-3050.	2.0	0
13	Multi-detector computed tomography (MDCT) imaging: association of bone texture parameters with finite element analysis (FEA)-based failure load of single vertebrae and functional spinal units. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2955-2967.	2.0	3
14	Prediction of incident vertebral fractures in routine MDCT: Comparison of global texture features, 3D finite element parameters and volumetric BMD. <i>European Journal of Radiology</i> , 2021, 141, 109827.	2.6	6
15	MRI-Determined Psoas Muscle Fat Infiltration Correlates with Severity of Weight Loss during Cancer Cachexia. <i>Cancers</i> , 2021, 13, 4433.	3.7	7
16	Prediction of Incidental Osteoporotic Fractures at Vertebral-Specific Level Using 3D Non-Linear Finite Element Parameters Derived from Routine Abdominal MDCT. <i>Diagnostics</i> , 2021, 11, 208.	2.6	9
17	Association of Cervical and Lumbar Paraspinal Muscle Composition Using Texture Analysis of MR-Based Proton Density Fat Fraction Maps. <i>Diagnostics</i> , 2021, 11, 1929.	2.6	3
18	Longitudinal Assessment of Health and Quality of Life of COVID-19 Patients Requiring Intensive Careâ€An Observational Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 5469.	2.4	5

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19	Texture Analysis Using CT and Chemical Shift Encoding-Based Water-Fat MRI Can Improve Differentiation Between Patients With and Without Osteoporotic Vertebral Fractures. <i>Frontiers in Endocrinology</i> , 2021, 12, 778537.	3.5	8
20	Robust, Primitive, and Unsupervised Quality Estimation for Segmentation Ensembles. <i>Frontiers in Neuroscience</i> , 2021, 15, 752780.	2.8	4
21	MRI of the inferior alveolar nerve and lingual nerve—“anatomical variation and morphometric benchmark values of nerve diameters in healthy subjects. <i>Clinical Oral Investigations</i> , 2020, 24, 2625-2634.	3.0	25
22	High resolution MRI for quantitative assessment of inferior alveolar nerve impairment in course of mandible fractures: an imaging feasibility study. <i>Scientific Reports</i> , 2020, 10, 11566.	3.3	21
23	Magnetic resonance imaging based <scp>computer-“guided</scp> dental implant surgery—“A clinical pilot study. <i>Clinical Implant Dentistry and Related Research</i> , 2020, 22, 612-621.	3.7	20
24	Vertebral Bone Marrow Heterogeneity Using Texture Analysis of Chemical Shift Encoding-Based MRI: Variations in Age, Sex, and Anatomical Location. <i>Frontiers in Endocrinology</i> , 2020, 11, 555931.	3.5	14
25	Age- and BMI-related variations of fat distribution in sacral and lumbar bone marrow and their association with local muscle fat content. <i>Scientific Reports</i> , 2020, 10, 9686.	3.3	8
26	Regional variation in paraspinal muscle composition using chemical shift encoding-based water-fat MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 496-507.	2.0	5
27	Bone regeneration of minipig mandibular defect by adipose derived mesenchymal stem cells seeded tri-calcium phosphate- poly(D,L-lactide-co-glycolide) scaffolds. <i>Scientific Reports</i> , 2020, 10, 2062.	3.3	59
28	Age- and gender-related variations of cervical muscle composition using chemical shift encoding-based water-fat MRI. <i>European Journal of Radiology</i> , 2020, 125, 108904.	2.6	8
29	Assessment of paraspinal muscle characteristics, lumbar BMD, and their associations in routine multi-detector CT of patients with and without osteoporotic vertebral fractures. <i>European Journal of Radiology</i> , 2020, 125, 108867.	2.6	13
30	Association of thigh and paraspinal muscle composition in young adults using chemical shift encoding-based water-“fat MRI. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 128-136.	2.0	5
31	Opportunistic Osteoporosis Screening Reveals Low Bone Density in Patients With Screw Loosening After Lumbar Semi-Rigid Instrumentation: A Case-Control Study. <i>Frontiers in Endocrinology</i> , 2020, 11, 552719.	3.5	21
32	Intensive Care Risk Estimation in COVID-19 Pneumonia Based on Clinical and Imaging Parameters: Experiences from the Munich Cohort. <i>Journal of Clinical Medicine</i> , 2020, 9, 1514.	2.4	60
33	Texture analysis of vertebral bone marrow using chemical shift encoding-“based water-fat MRI: a feasibility study. <i>Osteoporosis International</i> , 2019, 30, 1265-1274.	3.1	30
34	Lumbar muscle and vertebral bodies segmentation of chemical shift encoding-based water-fat MRI: the reference database MyoSegmentUM spine. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 152.	1.9	10
35	Associations of thigh muscle fat infiltration with isometric strength measurements based on chemical shift encoding-based water-fat magnetic resonance imaging. <i>European Radiology Experimental</i> , 2019, 3, 45.	3.4	27
36	Denosumab as a potential treatment alternative for patients suffering from diffuse sclerosing osteomyelitis of the mandible—“A rapid communication. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2018, 46, 534-537.	1.7	19

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37	Gender- and Age-Related Changes in Trunk Muscle Composition Using Chemical Shift Encoding-Based Water-Fat MRI. <i>Nutrients</i> , 2018, 10, 1972.	4.1	21
38	Custom-milled individual allogeneic bone grafts for alveolar cleft osteoplasty-A technical note. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 1955-1961.	1.7	20
39	Fluorescence based characterization of early oral squamous cell carcinoma using the Visually Enhanced Light Scope technique. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2017, 45, 1526-1530.	1.7	18
40	Ibandronate treatment of diffuse sclerosing osteomyelitis of the mandible: Pain relief and insight into pathogenesis. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2015, 43, 1837-1842.	1.7	37