Lorenzo Nardo

List of Publications by Year
in descending order

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86 papers	4,613 citations	117625 34 h-index	106344 65 g-index
88 all docs	88 docs citations	88 times ranked	6202 citing authors

#	Article	IF	Citations
1	First Human Imaging Studies with the EXPLORER Total-Body PET Scanner*. Journal of Nuclear Medicine, 2019, 60, 299-303.	5.0	453
2	Tumor immune profiling predicts response to antiâ€“PD-1 therapy in human melanoma. Journal of Clinical Investigation, 2016, 126, 3447-3452.	8.2	439
3	A Deep Learning Model to Predict a Diagnosis of Alzheimer Disease by Using ¹⁸F-FDG PET of the Brain. Radiology, 2019, 290, 456-464.	7.3	413
4	Does vertebral bone marrow fat content correlate with abdominal adipose tissue, lumbar spine bone mineral density, and blood biomarkers in women with type 2 diabetes mellitus?. Journal of Magnetic Resonance Imaging, 2012, 35, 117-124.	3.4	196
5	Thymus and aging: morphological, radiological, and functional overview. Age, 2014, 36, 313-351.	3.0	146
6	Baseline mean and heterogeneity of MR cartilage T2 are associated with morphologic degeneration of cartilage, meniscus, and bone marrow over 3years â€“ data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2012, 20, 727-735.	1.3	125
7	Lumbosacral Transitional Vertebrae: Association with Low Back Pain. Radiology, 2012, 265, 497-503.	7.3	121
8	T1Ï•and T2 relaxation times predict progression of knee osteoarthritis. Osteoarthritis and Cartilage, 2013, 21, 69-76.	1.3	119
9	Cartilage morphology and T1Ï•and T2 quantification in ACL-reconstructed knees: a 2-year follow-up. Osteoarthritis and Cartilage, 2013, 21, 1058-1067.	1.3	119
10	Quadriceps intramuscular fat fraction rather than muscle size is associated with knee osteoarthritis. Osteoarthritis and Cartilage, 2014, 22, 226-234.	1.3	108
11	Texture analysis of cartilage T2 maps: individuals with risk factors for OA have higher and more heterogeneous knee cartilage MR T2 compared to normal controls - data from the osteoarthritis initiative. Arthritis Research and Therapy, 2011, 13, R153.	3.5	105
12	Characterization of the regional distribution of skeletal muscle adipose tissue in type 2 diabetes using chemical shiftâ€based water/fat separation. Journal of Magnetic Resonance Imaging, 2012, 35, 899-907.	3.4	103
13	Scoring hip osteoarthritis with MRI (SHOMRI): A whole joint osteoarthritis evaluation system. Journal of Magnetic Resonance Imaging, 2015, 41, 1549-1557.	3.4	98
14	Association of magnetic resonance imagingâ€“based knee cartilage T2 measurements and focal knee lesions with knee pain: Data from the Osteoarthritis Initiative. Arthritis Care and Research, 2012, 64, 248-255.	3.4	96
15	Quantitative assessment of fat infiltration in the rotator cuff muscles using water-fat MRI. Journal of Magnetic Resonance Imaging, 2014, 39, 1178-1185.	3.4	88
16	Obesity increases the prevalence and severity of focal knee abnormalities diagnosed using 3T MRI in middle-aged subjectsâ€”data from the Osteoarthritis Initiative. Skeletal Radiology, 2012, 41, 633-641.	2.0	78
17	Radiomics-based prediction of microsatellite instability in colorectal cancer at initial computed tomography evaluation. Abdominal Radiology, 2019, 44, 3755-3763.	2.1	74
18	Magnetic resonance rotator cuff fat fraction andÂits relationship with tendon tear severity and subject characteristics. Journal of Shoulder and Elbow Surgery, 2015, 24, 1442-1451.	2.6	69

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19	Association of cartilage defects, and other MRI findings with pain and function in individuals with mildâ€“moderate radiographic hip osteoarthritis and controls. Osteoarthritis and Cartilage, 2013, 21, 1685-1692.	1.3	64
20	Association of Metabolic Risk Factors With Cartilage Degradation Assessed by T2 Relaxation Time at the Knee: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2013, 65, 1942-1950.	3.4	64
21	T₂ relaxation time measurements are limited in monitoring progression, once advanced cartilage defects at the knee occur: Longitudinal data from the osteoarthritis initiative. Journal of Magnetic Resonance Imaging, 2013, 38, 1415-1424.	3.4	64
22	Comparison of clinical semi-quantitative assessment of muscle fat infiltration with quantitative assessment using chemical shift-based water/fat separation in MR studies of the calf of post-menopausal women. European Radiology, 2012, 22, 1592-1600.	4.5	58
23	Development and Validation of a Multitask Deep Learning Model for Severity Grading of Hip Osteoarthritis Features on Radiographs. Radiology, 2020, 295, 136-145.	7.3	57
24	Differences in the Association of Hip Cartilage Lesions and Camâ€Type Femoroacetabular Impingement With Movement Patterns: A Preliminary Study. PM and R, 2014, 6, 681-689.	1.6	56
25	Correlation of magnetic resonance imagingâ€“based knee cartilage T2 measurements and focal knee lesions with body mass index: Thirtyâ€sixâ€“month followup data from a longitudinal, observational multicenter study. Arthritis Care and Research, 2013, 65, 23-33.	3.4	47
26	T1Ï•and T2 relaxation times are associated with progression of hip osteoarthritis. Osteoarthritis and Cartilage, 2016, 24, 1399-1407.	1.3	46
27	Longitudinal evaluation of T1Ï•and T2 spatial distribution in osteoarthritic and healthy medial knee cartilage. Osteoarthritis and Cartilage, 2014, 22, 51-62.	1.3	45
28	A reference database of cartilage 3ÂT MRI T2 values in knees without diagnostic evidence of cartilage degeneration: data from the osteoarthritis initiative. Osteoarthritis and Cartilage, 2015, 23, 897-905.	1.3	44
29	Cartilage Lesion Score: Comparison of a Quantitative Assessment Score with Established Semiquantitative MR Scoring Systems. Radiology, 2014, 271, 479-487.	7.3	43
30	Association of cartilage degeneration with four year weight gain â€“ 3T MRI data from the Osteoarthritis Initiative. Osteoarthritis and Cartilage, 2015, 23, 525-531.	1.3	42
31	Sporadic Inclusion Body Myositis: MRI Findings and Correlation With Clinical and Functional Parameters. American Journal of Roentgenology, 2017, 209, 1340-1347.	2.2	41
32	MRI and biomechanics multidimensional data analysis reveals R₂â€R_{1Ï•} as an early predictor of cartilage lesion progression in knee osteoarthritis. Journal of Magnetic Resonance Imaging, 2018, 47, 78-90.	3.4	40
33	Anatomic correlates of reduced hip extension during walking in individuals with mildâ€moderate radiographic hip osteoarthritis. Journal of Orthopaedic Research, 2015, 33, 527-534.	2.3	39
34	Total-Body PET Multiparametric Imaging of Cancer Using a Voxelwise Strategy of Compartmental Modeling. Journal of Nuclear Medicine, 2022, 63, 1274-1281.	5.0	39
35	Association of Physical Activity Measured by Accelerometer, Knee Joint Abnormalities, and Cartilage T2 Measurements Obtained From 3T Magnetic Resonance Imaging: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2015, 67, 1272-1280.	3.4	36
36	Cartilage T1Ï•and T2 Relaxation Times in Patients With Mildâ€toâ€Moderate Radiographic Hip Osteoarthritis. Arthritis and Rheumatology, 2015, 67, 1548-1556.	5.6	34

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37	Phase 1 Trial of MLN0128 (Sapanisertib) and CB-839 HCl (Telaglenastat) in Patients With Advanced NSCLC (NCI 10327): Rationale and Study Design. Clinical Lung Cancer, 2021, 22, 67-70.	2.6	33
38	Femoroacetabular Impingement: Prevalent and Often Asymptomatic in Older Men: The Osteoporotic Fractures in Men Study. Clinical Orthopaedics and Related Research, 2015, 473, 2578-2586.	1.5	32
39	MR T1Ï•and T2 of meniscus after acute anterior cruciate ligament injuries. Osteoarthritis and Cartilage, 2016, 24, 631-639.	1.3	30
40	In vitro assessment of knee MRI in the presence of metal implants comparing MAVRIC-SL and conventional fast spin echo sequences at 1.5 and 3 T field strength. Journal of Magnetic Resonance Imaging, 2015, 41, 1291-1299.	3.4	29
41	Are There Sex Differences in Knee Cartilage Composition and Walking Mechanics in Healthy and Osteoarthritis Populations?. Clinical Orthopaedics and Related Research, 2015, 473, 2548-2558.	1.5	29
42	Vertebral and femoral bone mineral density and bone strength in prostate cancer patients assessed in phantomless PET/CT examinations. Bone, 2017, 101, 62-69.	2.9	28
43	Femoral condyle insufficiency fractures: associated clinical and morphological findings and impact on outcome. Skeletal Radiology, 2015, 44, 1785-1794.	2.0	27
44	Relationship of unilateral total hip arthroplasty (THA) to contralateral and ipsilateral knee joint degeneration â€“ a longitudinal 3T MRI study from the Osteoarthritis Initiative (OAI). Osteoarthritis and Cartilage, 2015, 23, 1144-1153.	1.3	26
45	Associations between patellofemoral joint cartilage T 1Ï•and T 2 and knee flexion moment and impulse during gait in individuals with and without patellofemoral joint osteoarthritis. Osteoarthritis and Cartilage, 2016, 24, 1554-1564.	1.3	26
46	Longitudinal assessment of MRI in hip osteoarthritis using SHOMRI and correlation with clinical progression. Seminars in Arthritis and Rheumatism, 2016, 45, 648-655.	3.4	26
47	Cyclops lesions detected by MRI are frequent findings after ACL surgical reconstruction but do not impact clinical outcome over 2Âyears. European Radiology, 2017, 27, 3499-3508.	4.5	25
48	Trabecular bone structure and spatial differences in articular cartilage MRÂrelaxation times in individuals with posterior horn medial meniscal tears. Osteoarthritis and Cartilage, 2013, 21, 86-93.	1.3	24
49	Association of Frequent Knee Bending Activity With Focal Knee Lesions Detected With 3T Magnetic Resonance Imaging: Data From the Osteoarthritis Initiative. Arthritis Care and Research, 2013, 65, 1441-1448.	3.4	24
50	Metal artefact suppression at 3ÂT MRI: comparison of MAVRIC-SL with conventional fast spin echo sequences in patients with Hip joint arthroplasty. European Radiology, 2015, 25, 2403-2411.	4.5	24
51	Qualitative evaluation of MRI features of lipoma and atypical lipomatous tumor: results from a multicenter study. Skeletal Radiology, 2020, 49, 1005-1014.	2.0	24
52	Physical Activity and Spatial Differences in Medial Knee T1rho and T2 Relaxation Times in Knee Osteoarthritis. Journal of Orthopaedic and Sports Physical Therapy, 2014, 44, 964-972.	3.5	23
53	Degeneration in ACL Injured Knees with and without Reconstruction in Relation to Muscle Size and Fat Contentâ€"Data from the Osteoarthritis Initiative. PLoS ONE, 2016, 11, e0166865.	2.5	20
54	Potential Roles of Total-Body PET/Computed Tomography in Pediatric Imaging. PET Clinics, 2020, 15, 271-279.	3.0	20

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55	Zonal differences in meniscus MR relaxation times in response to in vivo static loading in knee osteoarthritis. Journal of Orthopaedic Research, 2016, 34, 249-261.	2.3	19
56	The Influence of Percentage Weight-Bearing on Foot Radiographs. Foot and Ankle Specialist, 2019, 12, 363-369.	1.0	19
57	Clinical Implementation of Total-Body PET/CT at University of California, Davis. PET Clinics, 2021, 16, 1-7.	3.0	19
58	A comparison of melatonin and Î±-lipoic acid in the induction of antioxidant defences in L6 rat skeletal muscle cells. Age, 2015, 37, 9824.	3.0	18
59	Impact of Whole-Body Radiation Dose on Response and Toxicity in Patients With Neuroblastoma After Therapy With¹³¹I-Metaiodobenzylguanidine (MIBG). Pediatric Blood and Cancer, 2016, 63, 436-442.	1.5	18
60	Do Cartilage Repair Procedures Prevent Degenerative Meniscus Changes?: Longitudinal T_{1Ï} and Morphological Evaluation With 3.0-T MRI. American Journal of Sports Medicine, 2012, 40, 2700-2708.	4.2	17
61	Diffuse Idiopathic Skeletal Hyperostosis Association With Thoracic Spine Kyphosis. Spine, 2014, 39, E1418-E1424.	2.0	17
62	Axial or Helical? Considerations for wide collimation <scp>CT</scp> scanners capable of volumetric imaging in both modes. Medical Physics, 2017, 44, 5718-5725.	3.0	17
63	Crossâ€Sectional and Longitudinal Associations of Diffuse Idiopathic Skeletal Hyperostosis and Thoracic Kyphosis in Older Men and Women. Arthritis Care and Research, 2017, 69, 1245-1252.	3.4	16
64	Potential and Most Relevant Applications of Total Body PET/CT Imaging. Clinical Nuclear Medicine, 2022, 47, 43-55.	1.3	15
65	Total-body PET/CT â€“ First Clinical Experiences and Future Perspectives. Seminars in Nuclear Medicine, 2022, 52, 330-339.	4.6	14
66	Metal artifact suppression at the hip: diagnostic performance at 3.0ÂT versus 1.5 Tesla. Skeletal Radiology, 2015, 44, 1609-1616.	2.0	13
67	MRI findings associated with development of incident knee pain over 48Âmonths: data from the osteoarthritis initiative. Skeletal Radiology, 2016, 45, 653-660.	2.0	13
68	Quantitative and Visual Assessments toward Potential Sub-mSv or Ultrafast FDG PET Using High-Sensitivity TOF PET in PET/MRI. Molecular Imaging and Biology, 2018, 20, 492-500.	2.6	12
69	Trabecular bone microstructure is impaired in the proximal femur of human immunodeficiency virus-infected men with normal bone mineral density. Quantitative Imaging in Medicine and Surgery, 2018, 8, 5-13.	2.0	12
70	Bone marrow changes related to disuse. European Radiology, 2013, 23, 3422-3431.	4.5	11
71	Magnetic resonance imaging of ankle tendon pathology: benefits of additional axial short-tau inversion recovery imaging to reduce magic angle effects. Skeletal Radiology, 2013, 42, 499-510.	2.0	10
72	Focal knee lesions in knee pairs of asymptomatic and symptomatic subjects with OA risk factorsâ€”Data from the Osteoarthritis Initiative. European Journal of Radiology, 2013, 82, e367-e373.	2.6	10

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73	Spatial variations in magnetic resonance-based diffusion of articular cartilage in knee osteoarthritis. Magnetic Resonance Imaging, 2015, 33, 1051-1058.	1.8	10
74	Quantitative assessment of morphology, T1Ï; and T2 of shoulder cartilage using MRI. European Radiology, 2016, 26, 4656-4663.	4.5	10
75	Oncologic Applications of Long Axial Field-of-View PET/Computed Tomography. PET Clinics, 2021, 16, 65-73.	3.0	9
76	Lesser Tuberosity Avulsions in Adolescents. HSS Journal, 2014, 10, 201-207.	1.7	5
77	PET/MRI Radiotracer Beyond 18F-FDG. PET Clinics, 2014, 9, 345-349.	3.0	5
78	Marrow uptake on FDG PET/CT is associated with progression from smoldering to symptomatic multiple myeloma. Skeletal Radiology, 2021, 50, 79-85.	2.0	4
79	Total Body PET: Exploring New Horizons. PET Clinics, 2021, 16, xvii-xviii.	3.0	4
80	Two-bed SPECT/CT versus planar bone scintigraphy: prospective comparison of reproducibility and diagnostic performance. Nuclear Medicine Communications, 2021, 42, 360-368.	1.1	4
81	Venous thromboembolism detected by FDG-PET/CT in cancer patients: a common, yet life-threatening observation. American Journal of Nuclear Medicine and Molecular Imaging, 2021, 11, 99-106.	1.0	4
82	Beneficial Effects of Melatonin on Apolipoprotein-E Knockout Mice by Morphological and 18F-FDG PET/CT Assessments. International Journal of Molecular Sciences, 2020, 21, 2920.	4.1	3
83	Meaningful words in rectal MRI synoptic reports: How â€œpolypoidâ€•may be prognostic. Clinical Imaging, 2021, 80, 371-376.	1.5	3
84	The Role of PET/CT in the Assessment of Primary Bone Tumors. Current Radiology Reports, 2016, 4, 1.	1.4	2
85	Pitfalls in [Â¹â¸F]FDG PET imaging in gynecological malignancies. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2016, 60, 124-38.	0.7	1
86	Radiology Quiz Case 2. JAMA Otolaryngology, 2011, 137, 629.	1.2	0