

Reza Forghani

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

3,966
citations

159585

30
h-index

123424

61
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88
docs citations

88
times ranked

6241
citing authors

#	ARTICLE	IF	CITATIONS
1	Above and Beyond Age: Prediction of Major Postoperative Adverse Events in Head and Neck Surgery. <i>Annals of Otolaryngology, Rhinology and Laryngology</i> , 2022, 131, 697-703.	1.1	6
2	Sparse Bayesian predictive modelling of tumour response using radiomic features. <i>Stat</i> , 2022, 11, .	0.4	0
3	Improved Detection of Chronic Obstructive Pulmonary Disease at Chest CT Using the Mean Curvature of Isophotes. <i>Radiology: Artificial Intelligence</i> , 2022, 4, e210105.	5.8	2
4	Malignancy risk stratification of cystic renal lesions based on a contrast-enhanced CT-based machine learning model and a clinical decision algorithm. <i>European Radiology</i> , 2022, 32, 4116-4127.	4.5	13
5	Radiomics and machine learning for the diagnosis of pediatric cervical non-tuberculous mycobacterial lymphadenitis. <i>Scientific Reports</i> , 2022, 12, 2962.	3.3	6
6	Can activated titanium interbody cages accelerate or enhance spinal fusion? a review of the literature and a design for clinical trials. <i>Journal of Materials Science: Materials in Medicine</i> , 2022, 33, 1.	3.6	4
7	Molecular immunoimaging improves tumor detection in head and neck cancer. <i>FASEB Journal</i> , 2022, 36, e22092.	0.5	0
8	Importance of sex and gender factors for COVID-19 infection and hospitalisation: a sex-stratified analysis using machine learning in UK Biobank data. <i>BMJ Open</i> , 2022, 12, e050450.	1.9	5
9	PET/CT radiomics potentially improves progression-free survival (PFS) and overall survival (OS) prognostication beyond UICC TNM staging in oropharyngeal squamous cell carcinoma (OPSCC) patients. <i>Laryngo- Rhino- Otologie</i> , 2022, , .	0.2	0
10	Development and Validation of Multiparametric MRI-based Radiomics Models for Preoperative Risk Stratification of Endometrial Cancer. <i>Radiology</i> , 2022, 305, 375-386.	7.3	30
11	Prediction of post-radiotherapy locoregional progression in HPV-associated oropharyngeal squamous cell carcinoma using machine-learning analysis of baseline PET/CT radiomics. <i>Translational Oncology</i> , 2021, 14, 100906.	3.7	19
12	Site-Specific Variation in Radiomic Features of Head and Neck Squamous Cell Carcinoma and Its Impact on Machine Learning Models. <i>Cancers</i> , 2021, 13, 3723.	3.7	5
13	Investigating the impact of the CT Hounsfield unit range on radiomic feature stability using dual energy CT data. <i>Physica Medica</i> , 2021, 88, 272-277.	0.7	6
14	CT-based radiomics model with machine learning for predicting primary treatment failure in diffuse large B-cell Lymphoma. <i>Translational Oncology</i> , 2021, 14, 101188.	3.7	9
15	Overview of Machine Learning: Part 2. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 417-431.	1.0	31
16	Brief History of Artificial Intelligence. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 393-399.	1.0	63
17	Knowledge Based Versus Data Based. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 401-415.	1.0	6
18	Artificial Intelligence Applications for Workflow, Process Optimization and Predictive Analytics. <i>Neuroimaging Clinics of North America</i> , 2020, 30, e1-e15.	1.0	30

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19	Machine Learning Algorithm Validation. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 433-445.	1.0	55
20	Overview of Machine Learning Part 1. <i>Neuroimaging Clinics of North America</i> , 2020, 30, e17-e32.	1.0	23
21	Machine Learning Applications for Head and Neck Imaging. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 517-529.	1.0	11
22	Patient-Centric Head and Neck Cancer Radiation Therapy. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 341-357.	1.0	1
23	Machine Intelligence in Neurologic and Head and Neck Imaging. <i>Neuroimaging Clinics of North America</i> , 2020, 30, xvii-xviii.	1.0	1
24	Precision Digital Oncology: Emerging Role of Radiomics-based Biomarkers and Artificial Intelligence for Advanced Imaging and Characterization of Brain Tumors. <i>Radiology Imaging Cancer</i> , 2020, 2, e190047.	1.6	26
25	PET/CT radiomics signature of human papilloma virus association in oropharyngeal squamous cell carcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2978-2991.	6.4	40
26	Dual Energy Computed Tomography in Head and Neck Imaging. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 311-323.	1.0	14
27	Potential Added Value of PET/CT Radiomics for Survival Prognostication beyond AJCC 8th Edition Staging in Oropharyngeal Squamous Cell Carcinoma. <i>Cancers</i> , 2020, 12, 1778.	3.7	36
28	Multimodal Molecular Imaging Demonstrates Myeloperoxidase Regulation of Matrix Metalloproteinase Activity in Neuroinflammation. <i>Molecular Neurobiology</i> , 2019, 56, 954-962.	4.0	8
29	Dual-Energy CT Texture Analysis With Machine Learning for the Evaluation and Characterization of Cervical Lymphadenopathy. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 1009-1015.	4.1	60
30	Radiomics and Artificial Intelligence for Biomarker and Prediction Model Development in Oncology. <i>Computational and Structural Biotechnology Journal</i> , 2019, 17, 995-1008.	4.1	124
31	Transoral robotic surgery for head and neck malignancies: Imaging features in presurgical workup. <i>Head and Neck</i> , 2019, 41, 4018-4025.	2.0	12
32	Differentiation of lymphomatous, metastatic, and non-malignant lymphadenopathy in the neck with quantitative diffusion-weighted imaging: systematic review and meta-analysis. <i>Neuroradiology</i> , 2019, 61, 897-910.	2.2	10
33	An update on advanced dual-energy CT for head and neck cancer imaging. <i>Expert Review of Anticancer Therapy</i> , 2019, 19, 633-644.	2.4	33
34	Image-based biomarkers for solid tumor quantification. <i>European Radiology</i> , 2019, 29, 5431-5440.	4.5	29
35	Head and neck squamous cell carcinoma: prediction of cervical lymph node metastasis by dual-energy CT texture analysis with machine learning. <i>European Radiology</i> , 2019, 29, 6172-6181.	4.5	79
36	Styloid Process Osteoradionecrosis: Report of 3 Cases. <i>Journal of Computer Assisted Tomography</i> , 2019, 43, 472-474.	0.9	1

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37	Practice variations in salivary gland imaging and utility of virtual unenhanced dual energy CT images for the detection of major salivary gland stones. <i>Acta Radiologica</i> , 2019, 60, 1144-1152.	1.1	4
38	Spot and Diffuse Signs: Quantitative Markers of Intracranial Hematoma Expansion at Dual-Energy CT. <i>Radiology</i> , 2019, 290, 179-186.	7.3	27
39	Prediction of High-Risk Group of Primary Refractory Diffuse Large B-Cell Lymphoma (DLBCL) Patients Using a CT-Based Radiomics Model with Machine Learning. <i>Blood</i> , 2019, 134, 4136-4136.	1.4	1
40	Investigation of thyroid nodules: A practical algorithm and review of guidelines. <i>Head and Neck</i> , 2018, 40, 1861-1873.	2.0	7
41	Spectral multi-energy CT texture analysis with machine learning for tissue classification: an investigation using classification of benign parotid tumours as a testing paradigm. <i>European Radiology</i> , 2018, 28, 2604-2611.	4.5	53
42	Comparison of virtual monochromatic series, iodine overlay maps, and single energy CT equivalent images in head and neck cancer conspicuity. <i>Clinical Imaging</i> , 2018, 48, 26-31.	1.5	11
43	Spectral Computed Tomography. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2018, 26, 1-17.	1.1	21
44	Advanced Computed Tomography Techniques: Overview of Dual-Energy CT. <i>Journal of Pediatric Neurology</i> , 2018, 16, 061-071.	0.2	0
45	Endometrial Carcinoma: MR Imaging-based Texture Model for Preoperative Risk Stratification? A Preliminary Analysis. <i>Radiology</i> , 2017, 284, 748-757.	7.3	139
46	Low-Energy Virtual Monochromatic Dual-Energy Computed Tomography Images for the Evaluation of Head and Neck Squamous Cell Carcinoma: A Study of Tumor Visibility Compared With Single-Energy Computed Tomography and User Acceptance. <i>Journal of Computer Assisted Tomography</i> , 2017, 41, 565-571.	0.9	37
47	Routine Dual-Energy Computed Tomography Scanning of the Neck in Clinical Practice. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 523-531.	1.0	6
48	Dual Energy CT: Applications in Head and Neck and Neurologic Imaging. <i>Neuroimaging Clinics of North America</i> , 2017, 27, i.	1.0	0
49	Dual-Energy Computed Tomography. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 385-400.	1.0	67
50	Advanced Tissue Characterization and Texture Analysis Using Dual-Energy Computed Tomography. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 533-546.	1.0	23
51	Dual-Energy Computed Tomography. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 371-384.	1.0	97
52	Applications of Dual-Energy Computed Tomography for the Evaluation of Head and Neck Squamous Cell Carcinoma. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 445-459.	1.0	29
53	Dual-Energy Computed Tomography in Neuroradiology and Head and Neck Imaging: State-of-the-Art. <i>Neuroimaging Clinics of North America</i> , 2017, 27, xvii-xviii.	1.0	3
54	Dual-Energy Computed Tomography of the Neck. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 499-522.	1.0	6

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55	Dual-Energy CT. <i>Journal of Computer Assisted Tomography</i> , 2017, 41, 931-936.	0.9	18
56	Adverse Effects of Gadolinium-Based Contrast Agents. <i>Topics in Magnetic Resonance Imaging</i> , 2016, 25, 163-169.	1.2	22
57	Dual-Energy CT Characteristics of Parathyroid Adenomas on 25-and 55-Second 4D-CT Acquisitions. <i>Journal of Computer Assisted Tomography</i> , 2016, 40, 806-814.	0.9	21
58	3-phase dual-energy CT scan as a feasible salvage imaging modality for the identification of non-localizing parathyroid adenomas: A prospective study. <i>Journal of Otolaryngology - Head and Neck Surgery</i> , 2015, 44, 44.	1.9	23
59	Computed Tomography Appearance of Normal Nonossified Thyroid Cartilage. <i>Journal of Computer Assisted Tomography</i> , 2015, 39, 240-243.	0.9	19
60	Multiparametric Evaluation of Head and Neck Squamous Cell Carcinoma Using a Single-Source Dual-Energy CT with Fast kVp Switching: State of the Art. <i>Cancers</i> , 2015, 7, 2201-2216.	3.7	46
61	Myeloperoxidase Propagates Damage and is a Potential Therapeutic Target for Subacute Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 485-493.	4.3	66
62	Indicators of a Reduced Intercarotid Artery Distance in Patients Undergoing Endoscopic Transsphenoidal Surgery. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2015, 76, 195-201.	0.8	16
63	Advanced dual-energy CT for head and neck cancer imaging. <i>Expert Review of Anticancer Therapy</i> , 2015, 15, 1489-1501.	2.4	34
64	Optimal Virtual Monochromatic Images for Evaluation of Normal Tissues and Head and Neck Cancer Using Dual-Energy CT. <i>American Journal of Neuroradiology</i> , 2015, 36, 1518-1524.	2.4	85
65	Imaging evaluation of lymphadenopathy and patterns of lymph node spread in head and neck cancer. <i>Expert Review of Anticancer Therapy</i> , 2015, 15, 207-224.	2.4	37
66	Radiological Prediction of Skull Base Meningioma Consistency for Endoscopic Resection. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2015, 76, .	0.8	0
67	CRISPS: A Pictorial Essay of an Acronym to Interpreting Metastatic Head and Neck Lymphadenopathy. <i>Canadian Association of Radiologists Journal</i> , 2014, 65, 232-241.	2.0	6
68	Analysis of Potential Determinants of a Reduced Intercarotid Distance in Patients Undergoing Endoscopic Transsphenoidal Surgery. <i>Otolaryngology - Head and Neck Surgery</i> , 2014, 151, P111-P111.	1.9	1
69	CRISPS – An Easy Acronym to Interpreting Metastatic Neck Lymphadenopathy. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2014, 75, .	0.8	0
70	Angiotensin II Drives the Production of Tumor-Promoting Macrophages. <i>Immunity</i> , 2013, 38, 296-308.	14.8	157
71	Measuring Myeloperoxidase Activity in Biological Samples. <i>PLoS ONE</i> , 2013, 8, e67976.	2.5	265
72	Demyelinating Diseases: Myeloperoxidase as an Imaging Biomarker and Therapeutic Target. <i>Radiology</i> , 2012, 263, 451-460.	7.3	81

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73	Origins of tumor-associated macrophages and neutrophils. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2491-2496.	7.1	547
74	Ligation of the Jugular Veins Does Not Result in Brain Inflammation or Demyelination in Mice. PLoS ONE, 2012, 7, e33671.	2.5	18
75	Novel Diagnostic Approaches in Bing-Neel Syndrome. Clinical Lymphoma, Myeloma and Leukemia, 2011, 11, 180-183.	0.4	31
76	Clinical Applications of Diffusion. , 2011, , 13-52.		1
77	Pathology of the Oral Region. , 2011, , 1643-1748.		5
78	Ocular Adnexal Lymphoma: Diffusion-weighted MR Imaging for Differential Diagnosis and Therapeutic Monitoring. Radiology, 2010, 256, 565-574.	7.3	100
79	Bing-Neel Syndrome Revisited. Clinical Lymphoma and Myeloma, 2009, 9, 104-106.	1.4	42
80	Fourth Ventricle Epidermoid Tumor: Radiologic, Intraoperative, and Pathologic Findings. Radiographics, 2007, 27, 1489-1494.	3.3	22
81	Functional Organization of a Schwann Cell Enhancer. Journal of Neuroscience, 2005, 25, 11210-11217.	3.6	39
82	A Combinatorial Network of Evolutionarily Conserved Myelin Basic Protein Regulatory Sequences Confers Distinct Glial-Specific Phenotypes. Journal of Neuroscience, 2003, 23, 10214-10223.	3.6	77
83	Automatic "pipeline" analysis of 3-D MRI data for clinical trials: application to multiple sclerosis. IEEE Transactions on Medical Imaging, 2002, 21, 1280-1291.	8.9	679
84	A Distal Upstream Enhancer from the Myelin Basic Protein Gene Regulates Expression in Myelin-Forming Schwann Cells. Journal of Neuroscience, 2001, 21, 3780-3787.	3.6	51
85	MBP-lacZ Transgene Expression in Juvenile and Adult Trembler-J Mice. Annals of the New York Academy of Sciences, 1999, 883, 538-539.	3.8	3
86	Automatic quantification of MS lesions in 3D MRI brain data sets: Validation of INSECT. Lecture Notes in Computer Science, 1998, , 439-448.	1.3	88
87	Adenosine antagonists have differential effects on induction of long-term potentiation in hippocampal slices. Hippocampus, 1995, 5, 71-77.	1.9	37