

# Karen Buch

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2193413/publications.pdf>

Version: 2024-02-01

82  
papers

1,330  
citations

430874

18  
h-index

414414

32  
g-index

83  
all docs

83  
docs citations

83  
times ranked

2117  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Global Reading Room: Imaging of Posttraumatic Headache. American Journal of Roentgenology, 2022, 218, 382-383.	2.2	1
2	Clinical utility of arterial spin labeling perfusion images in the emergency department for the work-up of stroke-like symptoms. Neuroradiology, 2022, 64, 925-934.	2.2	6
3	Association Between Antemortem FLAIR White Matter Hyperintensities and Neuropathology in Brain Donors Exposed to Repetitive Head Impacts. Neurology, 2022, 98, .	1.1	14
4	eP175: Recurrent SMAD4 gain-of-function pathogenic variants cause brain and spine abnormalities in 40 patients followed in the MGH Myhre Syndrome Clinic. Genetics in Medicine, 2022, 24, S106-S107.	2.4	0
5	When real life conditions do not follow textbook diagnosis: A diagnostic challenge from a neuropsychiatric clinic. International Journal of Psychiatry in Medicine, 2021, 56, 459-469.	1.8	0
6	CT-based assessment of laryngeal fracture patterns and associated soft tissue abnormality. European Radiology, 2021, 31, 5212-5221.	4.5	7
7	Neuropsychiatry, Palliative Care, and Culture. primary care companion for CNS disorders, The, 2021, 23, .	0.6	0
8	Severity of Chest Imaging is Correlated with Risk of Acute Neuroimaging Findings among Patients with COVID-19. American Journal of Neuroradiology, 2021, 42, 831-837.	2.4	10
9	Wellness Program Implementation in an Academic Radiology Department: Determination of Need, Organizational Buy-in, and Outcomes. Journal of the American College of Radiology, 2021, 18, 663-668.	1.8	12
10	Invited Commentary: Differential Diagnosis for Radiopaque Jaw Lesions—An Algorithmic Approach. Radiographics, 2021, 41, 210034.	3.3	0
11	Editorial Comment: Crucial Role of the Radiologist in the Preoperative Evaluation of Patients Undergoing Facial Feminization Surgery. American Journal of Roentgenology, 2021, 217, 717-717.	2.2	1
12	Comparison between computed tomography and ultrasound for presurgical evaluation of oral tongue squamous cell carcinoma tumor thickness. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2021, 42, 103089.	1.3	5
13	Analysis of Stroke Detection during the COVID-19 Pandemic Using Natural Language Processing of Radiology Reports. American Journal of Neuroradiology, 2021, 42, 429-434.	2.4	30
14	Spinal Vascular Shunts: A Patterned Approach. American Journal of Neuroradiology, 2021, 42, 2110-2118.	2.4	5
15	Long-term neuroimaging follow-up of COVID-19-related leukoencephalopathy. Neuroradiology, 2021, 63, 2153-2156.	2.2	6
16	Cases of Neuroinfectious Disease Highlighting Frontotemporal Neurocircuitry in Cognitive and Affective Processing. primary care companion for CNS disorders, The, 2021, 23, .	0.6	0
17	Structural MRI profiles and tau correlates of atrophy in autopsy-confirmed CTE. Alzheimer's Research and Therapy, 2021, 13, 193.	6.2	22
18	Peering Into Peer Review: <i>AJR</i> Neuroradiology Reviewers Discuss Their Approaches to Assessing a Manuscript. American Journal of Roentgenology, 2020, 214, 45-49.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Risk of Acute Cerebrovascular Events in Patients with COVID-19 Infection. American Journal of Neuroradiology, 2020, 41, E92-E93.	2.4	10
20	Lung apical findings in coronavirus disease (COVID-19) infection on neck and cervical spine CT. Emergency Radiology, 2020, 27, 731-735.	1.8	5
21	Paraspinal Myositis in Patients with COVID-19 Infection. American Journal of Neuroradiology, 2020, 41, 1949-1952.	2.4	45
22	Chest CT Scanning in Suspected Stroke: Not Always Worth the Extra Mile. American Journal of Neuroradiology, 2020, 41, E86-E87.	2.4	0
23	Clinical and Neuroimaging Correlation in Patients with COVID-19. American Journal of Neuroradiology, 2020, 41, 1791-1796.	2.4	29
24	Balanced Steady-State Free Precession Techniques Improve Detection of Residual Germ Cell Tumor for Treatment Planning. American Journal of Neuroradiology, 2020, 41, 898-903.	2.4	7
25	Invited Commentary: A Framework for the Differential Diagnosis of Benign and Malignant Intramedullary Tumors. Radiographics, 2020, 40, 1146-1147.	3.3	0
26	Leukoencephalopathy Associated with Severe COVID-19 Infection: Sequela of Hypoxemia?. American Journal of Neuroradiology, 2020, 41, 1641-1645.	2.4	52
27	Imaging manifestations of immune-related adverse effects in checkpoint inhibitor therapies: A primer for the radiologist. Clinical Imaging, 2020, 63, 35-49.	1.5	3
28	Case 4-2020: A 52-Year-Old Woman with Seizure Disorder and Wide-Complex Tachycardia. New England Journal of Medicine, 2020, 382, 457-467.	27.0	3
29	Regional differences in temporomandibular joint inflammation in patients with juvenile idiopathic arthritis: a dynamic post-contrast magnetic resonance imaging study. International Journal of Oral and Maxillofacial Surgery, 2020, 49, 1210-1216.	1.5	6
30	Dementia Unspecified. primary care companion for CNS disorders, The, 2020, 22, .	0.6	0
31	Noncontrast vestibular schwannoma surveillance imaging including an MR cisternographic sequence: is there a need for postcontrast imaging?. Journal of Neurosurgery, 2019, 131, 549-554.	1.6	13
32	Longitudinal MRI findings in patient with <i>SLC25A12</i> pathogenic variants inform disease progression and classification. American Journal of Medical Genetics, Part A, 2019, 179, 2284-2291.	1.2	14
33	Prolapse of Orbital Fat through the Inferior Orbital Fissure: Description, Prevalence, and Assessment of Possible Pathologic Associations. American Journal of Neuroradiology, 2019, 40, 1388-1391.	2.4	9
34	Case 31-2019: A 45-Year-Old Woman with Headache and Somnolence. New England Journal of Medicine, 2019, 381, 1459-1470.	27.0	5
35	<i>Reply:</i> . American Journal of Neuroradiology, 2019, 40, E21-E21.	2.4	0
36	Using texture analysis of head CT images to differentiate osteoporosis from normal bone density. European Journal of Radiology, 2019, 116, 212-218.	2.6	26

#	ARTICLE	IF	CITATIONS
37	MR Imaging Evaluation of Pediatric Neck Masses:. Magnetic Resonance Imaging Clinics of North America, 2019, 27, 173-199.	1.1	8
38	Case 8-2019: A 58-Year-Old Woman with Vision Loss, Headaches, and Oral Ulcers. New England Journal of Medicine, 2019, 380, 1062-1071.	27.0	5
39	Etiology-Specific Mineralization Patterns in Patients with Labyrinthitis Ossificans. American Journal of Neuroradiology, 2019, 40, 551-557.	2.4	10
40	Emergent spinal MRI in IVDU patients presenting with back pain: do we need an MRI in every case?. Emergency Radiology, 2018, 25, 247-256.	1.8	14
41	Using CT texture analysis to differentiate between nasopharyngeal carcinoma and age-matched adenoid controls. European Journal of Radiology, 2018, 108, 208-214.	2.6	10
42	Friction-lowering capabilities and human subject preferences for a hydrophilic surface coating on latex substrates: implications for increasing condom usage. Royal Society Open Science, 2018, 5, 180291.	2.4	4
43	Quantitative variations in texture analysis features dependent on <scp>MRI</scp> scanning parameters: A phantom model. Journal of Applied Clinical Medical Physics, 2018, 19, 253-264.	1.9	60
44	Balanced Steady-State Free Precession Sequence (CISS/FIESTA/3D Driven Equilibrium Radiofrequency) Tj ETQq0 0 0 rgBT /Overlock 10 Tf American Journal of Neuroradiology, 2018, 39, 1355-1361.	2.4	20
45	Quantitative Analysis of Extracranial Arterial Tortuosity in Patients with Sickle Cell Disease. Journal of Neuroimaging, 2017, 27, 421-427.	2.0	13
46	Quantitative MR imaging of intra-orbital structures: Tissue-specific measurements and age dependency compared to extra-orbital structures using multispectral quantitative MR imaging. Orbit, 2017, 36, 189-196.	0.8	6
47	Clinical Significance of Incidentally Detected Torus Tubarius Calcification. Journal of Computer Assisted Tomography, 2017, 41, 828-832.	0.9	4
48	Stereotactic core needle breast biopsy marker migration: An analysis of factors contributing to immediate marker migration. European Radiology, 2017, 27, 4797-4803.	4.5	15
49	Quantitative Assessment of Variation in CT Parameters on Texture Features: Pilot Study Using a Nonanatomic Phantom. American Journal of Neuroradiology, 2017, 38, 981-985.	2.4	46
50	Magnetization Transfer Imaging in Treatment-resistant Depression: Structural Evidence of a Functional Derangement That Might Help Guide Therapy?. Radiology, 2017, 284, 313-315.	7.3	0
51	Optimization of Quantitative Dynamic Postgadolinium MRI Technique Using Normalized Ratios for the Evaluation of Temporomandibular Joint Synovitis in Patients with Juvenile Idiopathic Arthritis. American Journal of Neuroradiology, 2017, 38, 2344-2350.	2.4	11
52	Global and Regional Brain Assessment with Quantitative MR Imaging in Patients with Prior Exposure to Linear Gadolinium-based Contrast Agents. Radiology, 2017, 283, 195-204.	7.3	40
53	Value of additional axial imaging in magnetic resonance imaging of the temporomandibular joint to identify extra-articular diseases. Oral Radiology, 2017, 33, 140-146.	1.9	0
54	Difference Between HPV-Positive and HPV-Negative Non-Oropharyngeal Head and Neck Cancer. Journal of Computer Assisted Tomography, 2016, 40, 43-47.	0.9	88

#	ARTICLE	IF	CITATIONS
55	Diagnosing acute appendicitis using a nonoral contrast CT protocol in patients with a BMI of less than 25. Emergency Radiology, 2016, 23, 455-462.	1.8	14
56	Imaging characteristics of metastatic nodes and outcomes by <scp>HPV</scp> status in head and neck cancers. Laryngoscope, 2016, 126, 392-398.	2.0	18
57	Macromolecular photoinitiators enhance the hydrophilicity and lubricity of natural rubber. Journal of Applied Polymer Science, 2016, 133, .	2.6	14
58	The Value of Imaging Part II: Value beyond Image Interpretation. Academic Radiology, 2016, 23, 23-29.	2.5	22
59	Value of Imaging Part I:. Academic Radiology, 2016, 23, 18-22.	2.5	17
60	Using texture analyses of contrast enhanced CT to assess hepatic fibrosis. European Journal of Radiology, 2016, 85, 511-517.	2.6	89
61	Unifocal versus multifocal mandibular fractures and injury location. Emergency Radiology, 2016, 23, 161-167.	1.8	9
62	Variability in the Cross-Sectional Area and Narrowing of the Internal Jugular Vein in Patients Without Multiple Sclerosis. American Journal of Roentgenology, 2016, 206, 1082-1086.	2.2	16
63	Association between cervical spine and skull-base fractures and blunt cerebrovascular injury. European Radiology, 2016, 26, 524-531.	4.5	29
64	The Prevalence of High-Riding Jugular Bulb in Patients with Suspected Endolymphatic Hydrops. Journal of Neurological Surgery, Part B: Skull Base, 2015, 76, 471-474.	0.8	13
65	Utility of texture analysis for quantifying hepatic fibrosis on proton density MRI. Journal of Magnetic Resonance Imaging, 2015, 42, 1259-1265.	3.4	38
66	Clinical associations of incidentally detected parotid gland calcification on <scp>CT</scp>. Laryngoscope, 2015, 125, 1360-1365.	2.0	13
67	Visualization of the Peripheral Branches of the Mandibular Division of the Trigeminal Nerve on 3D Double-Echo Steady-State with Water Excitation Sequence. American Journal of Neuroradiology, 2015, 36, 1333-1337.	2.4	39
68	Head and neck injuries from the Boston Marathon bombing at four hospitals. Emergency Radiology, 2015, 22, 527-532.	1.8	12
69	Surveillance of Probably Benign (BI-RADS 3) Lesions in Mammography: What Is The Right Follow-Up Protocol?. Breast Journal, 2015, 21, 168-174.	1.0	11
70	Using Texture Analysis to Determine Human Papillomavirus Status of Oropharyngeal Squamous Cell Carcinomas on CT. American Journal of Neuroradiology, 2015, 36, 1343-1348.	2.4	122
71	MR relaxometry for the facial ageing assessment: the preliminary study of the age dependency in the MR relaxometry parameters within the facial soft tissue. Dentomaxillofacial Radiology, 2015, 44, 20150047.	2.7	8
72	Prevalence of Temporal Bone Fractures in Patients with Mandibular Fractures Using Multidetector-Row CT. Clinical Neuroradiology, 2015, 25, 137-141.	1.9	6

#	ARTICLE	IF	CITATIONS
73	Changes in the Jugular Bulb Associated With Sacrifice of the Internal Jugular Vein. <i>Otology and Neurotology</i> , 2015, 36, 146-150.	1.3	3
74	Improved dosimetry in prostate brachytherapy using high resolution contrast enhanced magnetic resonance imaging: a feasibility study. <i>Journal of Contemporary Brachytherapy</i> , 2014, 4, 337-343.	0.9	7
75	Clinical Significance of Trochlear Calcifications in the Orbit. <i>American Journal of Neuroradiology</i> , 2014, 35, 573-577.	2.4	10
76	Quantifying liver fibrosis through the application of texture analysis to diffusion weighted imaging. <i>Magnetic Resonance Imaging</i> , 2014, 32, 84-90.	1.8	59
77	Assessment of Relationships Between Implant Insertion Torque and Cortical Shape of the Mandible Using Panoramic Radiography: Preliminary Study. <i>International Journal of Oral and Maxillofacial Implants</i> , 2014, 29, 622-626.	1.4	7
78	Quantitative Magnetic Resonance Imaging Analysis of the Lacrimal Gland in Sickle Cell Disease. <i>Journal of Computer Assisted Tomography</i> , 2014, 38, 674-680.	0.9	8
79	Nasopharyngeal Cystic Lesions. <i>Journal of Computer Assisted Tomography</i> , 2014, 38, 9-13.	0.9	21
80	The Prevalence of High-Riding Jugular Bulb in Patients with Endolymphatic Hydrops. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2014, 75, .	0.8	0
81	Extramedullary duodenal plasmacytoma presenting with gastric outlet obstruction and painless jaundice. <i>Journal of Radiology Case Reports</i> , 2010, 4, 22-8.	0.4	5
82	Evaluating the accuracy of perfusion/metabolism (SPET/PET) ratio in seizure localization. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 579-588.	6.4	18