Amit Gupta

List of Publications by Year
in descending order

104 papers	1,835 citations	430874 18 h-index	330143 37 g-index
104 all docs	104 docs citations	104 times ranked	2136 citing authors

#	Article	IF	Citations
1	Predicting cancer outcomes with radiomics and artificial intelligence in radiology. Nature Reviews Clinical Oncology, 2022, 19, 132-146.	27.6	221
2	Changes in CT Radiomic Features Associated with Lymphocyte Distribution Predict Overall Survival and Response to Immunotherapy in Non–Small Cell Lung Cancer. Cancer Immunology Research, 2020, 8, 108-119.	3.4	187
3	Radiogenomic analysis of hypoxia pathway is predictive of overall survival in Glioblastoma. Scientific Reports, 2018, 8, 7.	3.3	113
4	Immune Checkpoint Inhibitor Therapy–related Pneumonitis: Patterns and Management. Radiographics, 2019, 39, 1923-1937.	3.3	109
5	Computer-Extracted Texture Features to Distinguish Cerebral Radionecrosis from Recurrent Brain Tumors on Multiparametric MRI: A Feasibility Study. American Journal of Neuroradiology, 2016, 37, 2231-2236.	2.4	95
6	CT derived radiomic score for predicting the added benefit of adjuvant chemotherapy following surgery in stage I, II resectable non-small cell lung cancer: a retrospective multicohort study for outcome prediction. The Lancet Digital Health, 2020, 2, e116-e128.	12.3	85
7	Individualism–collectivism orientation and employee attitudes: A comparison of employees from the high-technology sector in India and Ireland. Journal of International Management, 2007, 13, 187-203.	4.2	70
8	Novel, non-invasive imaging approach to identify patients with advanced non-small cell lung cancer at risk of hyperprogressive disease with immune checkpoint blockade. , 2020, 8, e001343.		64
9	Safety climate: Systematic literature network analysis of 38 years (1980-2018) of research. Accident Analysis and Prevention, 2020, 135, 105387.	5.7	62
10	Individualism/collectivism and attitudes towards human resource systems: a comparative study of American, Irish and Indian MBA students. International Journal of Human Resource Management, 2005, 16, 852-869.	5.3	51
11	Severe acute respiratory syndrome (SARS), Middle East respiratory syndrome (MERS), influenza, and COVID-19, beyond the lungs: a review article. Radiologia Medica, 2021, 126, 561-569.	7.7	42
12	Visceral Adiposity Predicts Severity of Acute Pancreatitis. Pancreas, 2017, 46, 776-781.	1.1	39
13	Sustainable Primary Aluminium Production: Technology Status and Future Opportunities. Transactions of the Indian Institute of Metals, 2019, 72, 2135-2150.	1.5	35
14	Identifying Cross-Scale Associations between Radiomic and Pathomic Signatures of Non-Small Cell Lung Cancer Subtypes: Preliminary Results. Cancers, 2020, 12, 3663.	3.7	33
15	Predicting Mechanical Ventilation and Mortality in COVID-19 Using Radiomics and Deep Learning on Chest Radiographs: A Multi-Institutional Study. Diagnostics, 2021, 11, 1812.	2.6	26
16	Novel imaging biomarkers predict outcomes in stage III unresectable non-small cell lung cancer treated with chemoradiation and durvalumab. , 2022, 10, e003778.		26
17	Effect of Virtual Monoenergetic Images From Spectral Detector Computed Tomography on Coronary Calcium Blooming. Journal of Computer Assisted Tomography, 2018, 42, 912-918.	0.9	25
18	Bilateral Sequential Cochlear Implantation in Patients With Enlarged Vestibular Aqueduct (EVA) Syndrome. Otology and Neurotology, 2016, 37, e96-e103.	1.3	22

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19	Virtual non-contrast for evaluation of liver parenchyma and vessels: results from 25 patients using multi-phase spectral-detector CT. Acta Radiologica, 2020, 61, 1143-1152.	1.1	21
20	Vestibular Aqueduct Midpoint Width and Hearing Loss in Patients With an Enlarged Vestibular Aqueduct. JAMA Otolaryngology - Head and Neck Surgery, 2017, 143, 601.	2.2	20
21	Utility of virtual monoenergetic images from spectral detector computed tomography in improving image segmentation for purposes of 3D printing and modeling. 3D Printing in Medicine, 2019, 5, 1.	3.1	20
22	PET/MR Imaging in Cancers of the Gastrointestinal Tract. PET Clinics, 2016, 11, 403-423.	3.0	18
23	Distinguishing granulomas from adenocarcinomas by integrating stable and discriminating radiomic features on non-contrast computed tomography scans. European Journal of Cancer, 2021, 148, 146-158.	2.8	18
24	Dual energy imaging in cardiothoracic pathologies: A primer for radiologists and clinicians. European Journal of Radiology Open, 2021, 8, 100324.	1.6	18
25	Hearing loss in enlarged vestibular aqueduct and incomplete partition type II. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2017, 38, 692-697.	1.3	17
26	Hearing loss in unilateral and bilateral enlarged vestibular aqueduct syndrome. International Journal of Pediatric Otorhinolaryngology, 2019, 118, 147-151.	1.0	17
27	Seamless Integration of Artificial Intelligence Into the Clinical Environment: Our Experience With a Novel Pneumothorax Detection Artificial Intelligence Algorithm. Journal of the American College of Radiology, 2021, 18, 1497-1505.	1.8	17
28	Spectral Detector Computed Tomography Pulmonary Angiography: Improved Diagnostic Assessment and Automated Estimation of Window Settings Angiography of Pulmonary Arteries From Novel Spectral Detector Computed Tomography Provides Improved Image Quality if Settings are Adjusted. Journal of Computer Assisted Tomography, 2018, 42, 850-857.	0.9	15
29	Novel Non-Invasive Radiomic Signature on CT Scans Predicts Response to Platinum-Based Chemotherapy and Is Prognostic of Overall Survival in Small Cell Lung Cancer. Frontiers in Oncology, 2021, 11, 744724.	2.8	15
30	Cultural Metaphors as Frames of Reference for Nations: A Six-Country Study. International Studies of Management and Organization, 2005, 35, 37-47.	0.6	14
31	Morphology and cochlear implantation in enlarged vestibular aqueduct. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2018, 39, 657-663.	1.3	13
32	Sarcoid- like Phenomenon - ustekinumab induced granulomatous reaction mimicking diffuse metastatic disease: a case report and review of the literature. Journal of Medical Case Reports, 2019, 13, 257.	0.8	13
33	Reduction of CT artifacts from cardiac implantable electronic devices using a combination of virtual monoenergetic images and post-processing algorithms. European Radiology, 2021, 31, 7151-7161.	4.5	13
34	Coronary Artery Calcium Scoring: Current Status and Future Directions. Radiographics, 2022, 42, 947-967.	3.3	13
35	Comparison of ISS, NISS, and RTS score as predictor of mortality in pediatric fall. Burns and Trauma, 2017, 5, 25.	4.9	12
36	Individualism–collectivism and tenure intent among knowledge workers in India and Bulgaria: Moderating effects of equity perceptions and task interdependence. Journal of High Technology Management Research, 2014, 25, 201-209.	4.9	11

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37	Sex-specific enlarged vestibular aqueduct morphology and audiometry. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2019, 40, 473-477.	1.3	11
38	Evaluation of the liver with virtual non-contrast: single institution study in 149 patients undergoing TAVR planning. British Journal of Radiology, 2020, 93, 20190701.	2.2	11
39	Virtual Noncontrast Images From Portal Venous Phase Spectral-Detector CT Acquisitions for Adrenal Lesion Characterization. Journal of Computer Assisted Tomography, 2021, 45, 24-28.	0.9	11
40	Disorder in Pixel-Level Edge Directions on T1WI Is Associated with the Degree of Radiation Necrosis in Primary and Metastatic Brain Tumors: Preliminary Findings. American Journal of Neuroradiology, 2019, 40, 412-417.	2.4	10
41	Utility of Iodine Density Perfusion Maps From Dual-Energy Spectral Detector CT in Evaluating Cardiothoracic Conditions: A Primer for the Radiologist. American Journal of Roentgenology, 2020, 214, 775-785.	2.2	10
42	Primary Mediastinal Large B-Cell Lymphoma: A Review for Radiologists. American Journal of Roentgenology, 2019, 213, W194-W210.	2.2	9
43	Rectal carcinoid tumor metastasis to a skull base meningioma. Neuroradiology Journal, 2016, 29, 49-51.	1.2	8
44	Role of spectral-detector CT in reduction of artifacts from contrast media in axillary and subclavian veins: single institution study in 50 patients. Acta Radiologica, 2020, 61, 450-460.	1.1	8
45	COVID-19 or non-COVID viral pneumonia: How to differentiate based on the radiologic findings?. World Journal of Radiology, 2020, 12, 289-301.	1.1	8
46	Enhanced coronary calcium visualization and detection from dual energy chest x-rays with sliding organ registration. Computerized Medical Imaging and Graphics, 2018, 64, 12-21.	5.8	7
47	CT artifacts after contrast media injection in chest imaging: evaluation of post-processing algorithms, virtual monoenergetic images and their combination for artifact reduction. Quantitative Imaging in Medicine and Surgery, 2021, 11, 226-239.	2.0	7
48	Right atrial cardiac angiosarcoma treated with concurrent proton beam therapy and paclitaxel: A novel approach to a rare disease. Thoracic Cancer, 2021, 12, 1131-1133.	1.9	7
49	A Radiologist's Guide to the Changing Treatment Paradigm of Advanced Non–Small Cell Lung Cancer: The ASCO 2018 Molecular Testing Guidelines and Targeted Therapies. American Journal of Roentgenology, 2019, 213, 1047-1058.	2.2	6
50	Diabetes and respiratory system including tuberculosis - challenges. Indian Journal of Tuberculosis, 2019, 66, 533-538.	0.7	6
51	Suspicious Right Heart Mass. JACC: Case Reports, 2020, 2, 51-54.	0.6	6
52	Abdominal vessel depiction on virtual triphasic spectral detector CT: initial clinical experience. Abdominal Radiology, 2021, 46, 3501-3511.	2.1	6
53	COVID-19 pandemic revisited: lessons the radiology community has learned a year later. Emergency Radiology, 2021, 28, 1083-1086.	1.8	6
54	Effect of No-Charge Coronary Artery Calcium Scoring on Cardiovascular Prevention. American Journal of Cardiology, 2022, 174, 40-47.	1.6	6

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55	Novel Radiomic Measurements of Tumor-Associated Vasculature Morphology on Clinical Imaging as a Biomarker of Treatment Response in Multiple Cancers. Clinical Cancer Research, 2022, 28, 4410-4424.	7.0	6
56	Emic and Etic: Different Lenses for Research in Culture. Management and Labour Studies, 2012, 37, 45-60.	1.6	5
57	To Bribe or Not to Bribe? Determinants in the <scp>I</scp>ndian Context. European Management Review, 2015, 12, 247-259.	3.7	5
58	Novel topological phase due to coexistence of superconductivity and spin-density wave: Application to high Tc superconductors. Solid State Communications, 2015, 203, 41-45.	1.9	5
59	Stratification of Pulmonary Nodules Using Quantitative Iodine Maps from Dual-Energy Computed Tomography. American Journal of Respiratory and Critical Care Medicine, 2019, 199, e3-e4.	5.6	5
60	Conventional Computed Tomographic Calcium Scoring vs full chest CTCS for lung cancer screening: a cost-effectiveness analysis. BMC Pulmonary Medicine, 2020, 20, 187.	2.0	5
61	Metal artifacts from sternal wires: evaluation of virtual monoenergetic images from spectral-detector CT for artifact reduction. Clinical Imaging, 2020, 60, 249-256.	1.5	5
62	â€œThe Perio-Diabetes Symposiumâ€. Consensus Report of the Indian Society of Periodontology and Research Society for the Study of Diabetes in India - A joint event on Periodontitis and Diabetes. Journal of Indian Society of Periodontology, 2019, 23, 593.	0.7	5
63	Synchronized navigation of current and prior studies using image registration improves radiologistâ€™s efficiency. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 431-438.	2.8	4
64	A Novel Nodule Edge Sharpness Radiomic Biomarker Improves Performance of Lung-RADS for Distinguishing Adenocarcinomas from Granulomas on Non-Contrast CT Scans. Cancers, 2021, 13, 2781.	3.7	4
65	â€œMultimodality imaging of the extrapleural space lesionsâ€. Clinical Imaging, 2021, 79, 64-84.	1.5	4
66	Non Traumatic Spinal Epidural Haematoma in a Woman with HELLP Syndrome: A Case Report. Journal of Clinical and Diagnostic Research JCDR, 2014, 8, RD06-7.	0.8	3
67	Metal Artifact Reduction in Routine Chest and Abdominal Examinations Using Virtual Monoenergetic Images From Spectral Detector Computed Tomography. Journal of Computer Assisted Tomography, 2019, 43, 713-717.	0.9	3
68	CT Coronary Angiography Fractional Flow Reserve: New Advances in the Diagnosis and Treatment of Coronary Artery Disease. Current Problems in Diagnostic Radiology, 2021, 50, 925-936.	1.4	3
69	Chemotherapy-associated nonbacterial thrombotic endocarditis: A radiological mimicker of cardiac amyloidosis requiring histopathologic examination for definitive diagnosis. Cardiovascular Pathology, 2020, 47, 107210.	1.6	3
70	Evaluation of equivocal small cystic pancreatic lesions with spectral-detector computed tomography. Acta Radiologica, 2021, 62, 172-181.	1.1	3
71	IMPACT OF COVID 19 PANDEMIC ON BLOOD PRESSURE OF HEALTHCARE PROFESSIONALS DURING LOCKDOWN - AN INDIAN STUDY. Journal of Hypertension, 2021, 39, e203.	0.5	3
72	Evaluation of lung transplant perfusion using iodine maps from novel spectral detector computed tomography. Indian Journal of Radiology and Imaging, 2018, 28, 436-438.	0.8	3

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73	Effect of service climate on service quality: an integrative model. International Journal of Services, Technology and Management, 2007, 8, 174.	0.1	2
74	An Examination of Attributions, Performance Rating and Reward Allocation Patterns: A Comparative Study of China, India, Tanzania and the United States. South Asian Journal of Human Resources Management, 2019, 6, 202-221.	1.3	2
75	Primary cardiac epithelioid angiosarcoma with frond-like features: a rare and ominous radiological mimicker of benign cardiac tumors. Cardiovascular Pathology, 2019, 41, 18-20.	1.6	2
76	Novel electric field effects on Landau levels in multi-Weyl semimetals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2339-2345.	2.1	2
77	May Measurement Month 2018: an analysis of blood pressure screening campaign results in India. European Heart Journal Supplements, 2020, 22, H62-H65.	0.1	2
78	Management of Complex Traumatic Renal Artery–Inferior Vena Cava Fistula: A Case Report and Review of the Literature. Vascular and Endovascular Surgery, 2020, 54, 449-454.	0.7	2
79	Hypoxic Vasoconstriction Depicted Using Iodine Density Maps Derived from Dual-Energy Computed Tomography. American Journal of Respiratory and Critical Care Medicine, 2020, 201, e22-e23.	5.6	2
80	Iodine accumulation of the liver in patients treated with amiodarone can be unmasked using material decomposition from multiphase spectral-detector CT. Scientific Reports, 2020, 10, 6994.	3.3	2
81	Early Surgery in Trauma Patients Is a Key Performance Indicator of Outcome—A Case Series Analysis. Indian Journal of Surgery, 2021, 83, 183-187.	0.3	2
82	Preoperative assessment of lung nodules and lobar function by spectral detector computed tomography. Radiology Case Reports, 2020, 15, 966-969.	0.6	1
83	Role of Empowerment and Interpersonal Relations in Reducing Cynicism and Politics Among Indian IT Workers. Vision, 2024, 28, 67-75.	2.4	1
84	COVID-19 infection complicated by acute ST-elevation myocardial infarction. Clinical Imaging, 2021, 78, 117-120.	1.5	1
85	Dancing sternal wires: A radiologic sign of sternal dehiscence. Cleveland Clinic Journal of Medicine, 2019, 86, 87-88.	1.3	1
86	The role of imaging techniques in understanding and evaluating the long-term pulmonary effects of COVID-19. Expert Review of Respiratory Medicine, 2021, 15, 1525-1537.	2.5	1
87	Pulmonary Embolism Versus Mimics on Dual-energy Spectral Computed Tomography: An Algorithmic Approach. Journal of Computer Assisted Tomography, 2020, 44, 833-840.	0.9	1
88	Factors Associated with Inability to Perform Delayed Primary Fascial Closure of Open Abdomen in Trauma Patients: a Retrospective Observational Study. Indian Journal of Surgery, 2022, 84, 983-989.	0.3	1
89	Assessing the clinical utility of volumetric HRCT in pediatric enlarged vestibular aqueduct related hearing loss. International Journal of Pediatric Otorhinolaryngology, 2022, 155, 111067.	1.0	1
90	Novel Imaging Biomarkers to Assess Oncologic Treatment–Related Changes. American Society of Clinical Oncology Educational Book / ASCO American Society of Clinical Oncology Meeting, 2022, , 687-699.	3.8	1

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91	Imaging of the Left Atrial Appendage Before Occluder Device Placement: Evaluation of Virtual Monoenergetic Images in a Single-Bolus Dual-Phase Protocol. Journal of Computer Assisted Tomography, 0, Publish Ahead of Print, .	0.9	1
92	Images in Medicine: Giant Cell Tumour of the Talus in a 7-Year-old Boy. Journal of Clinical and Diagnostic Research JCDR, 2014, 8, RJ03.	0.8	0
93	NIMG-69. DISTINGUISHING RADIATION NECROSIS FROM BRAIN TUMOR RECURRENCE ON ROUTINE MRI: AÂPRELIMINARY HUMAN-MACHINE READER COMPARISON STUDY. Neuro-Oncology, 2016, 18, vi139-vi140.	1.2	0
94	Indeterminate pulmonary nodule in lung allograft characterized using dual-energy computed tomography. Radiology Case Reports, 2021, 16, 132-135.	0.6	0
95	Traumatic Arterio-Enteric Fistulaâ€"A Report of 2 Cases With Review of Literature. Vascular and Endovascular Surgery, 2021, 55, 631-637.	0.7	0
96	Magnitude and outcomes of complex perineal injury â€" A retrospective analysis of five yearsâ€™ data from a Level 1 trauma centre. Tropical Doctor, 2021, 51, 344-349.	0.5	0
97	LOWERING CUTOFF FOR HYPERTENSION IS RAISING THREE TIMES HEALTH EXPENDITURE IN INDIA. Journal of Hypertension, 2021, 39, e272.	0.5	0
98	Computational Fluid Dynamics in Cardiovascular Imaging. Advances in Clinical Radiology, 2021, 3, 153-168.	0.2	0
99	Improved characterization of focal airway lesions using spectral detector dual energy CT. Clinical Imaging, 2021, 79, 326-329.	1.5	0
100	Cross-sectional imaging utilization for EGFR, EML/ALK, and KRAS mutant non-small cell lung cancer.. Journal of Clinical Oncology, 2019, 37, e20663-e20663.	1.6	0
101	Multidisciplinary approach to immune related adverse events as a potential biomarker: Single institution experience in non-small cell lung cancer.. Journal of Clinical Oncology, 2019, 37, e14124-e14124.	1.6	0
102	Intra and perinodular CT delta radiomic features associated with early response to predict overall survival (OS) in immunotherapy-treated non-small cell lung cancer (NSCLC): A multisite multi-agent study.. Journal of Clinical Oncology, 2019, 37, 2588-2588.	1.6	0
103	CT findings in renovascular injuries following abdominal trauma: a pictorial review. Emergency Radiology, 2022, , 1.	1.8	0
104	Incidental Finding of Secondary Tumoral Calcinosis Following Cardiothoracic Surgery: The Role of Multimodality Imaging Including Spectral Detector Computed Tomography. Cureus, 2022, , .	0.5	0