

# Rajiv Gupta

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,796  
citations

361296

20  
h-index

276775

41  
g-index

55  
all docs

55  
docs citations

55  
times ranked

2536  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Dual-Energy CT for Differentiating Intracerebral Hemorrhage from Iodinated Contrast Material Staining. <i>Radiology</i> , 2010, 257, 205-211.	3.6	205
2	Ultra-high resolution flat-panel volume CT: fundamental principles, design architecture, and system characterization. <i>European Radiology</i> , 2006, 16, 1191-1205.	2.3	186
3	Flat-Panel Volume CT: Fundamental Principles, Technology, and Applications. <i>Radiographics</i> , 2008, 28, 2009-2022.	1.4	185
4	Use of brain diffusion tensor imaging for the prediction of long-term neurological outcomes in patients after cardiac arrest: a multicentre, international, prospective, observational, cohort study. <i>Lancet Neurology</i> , The, 2018, 17, 317-326.	4.9	126
5	Dual-Energy Computed Tomography. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 371-384.	0.5	97
6	Experimental flat-panel high-spatial-resolution volume CT of the temporal bone. <i>American Journal of Neuroradiology</i> , 2004, 25, 1417-24.	1.2	89
7	Standardization and Optimization of CT Protocols to Achieve Low Dose. <i>Journal of the American College of Radiology</i> , 2014, 11, 271-278.	0.9	83
8	A Patient-Mounted, Telerobotic Tool for CT-Guided Percutaneous Interventions. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2008, 2, .	0.4	79
9	Imaging of venous compression syndromes. <i>Cardiovascular Diagnosis and Therapy</i> , 2016, 6, 519-532.	0.7	76
10	Dual-Energy Computed Tomography. <i>Neuroimaging Clinics of North America</i> , 2017, 27, 385-400.	0.5	67
11	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.	1.7	46
12	Dual-Energy Head CT Enables Accurate Distinction of Intraparenchymal Hemorrhage from Calcification in Emergency Department Patients. <i>Radiology</i> , 2016, 280, 177-183.	3.6	46
13	Effect of Transcranial Low-Level Light Therapy vs Sham Therapy Among Patients With Moderate Traumatic Brain Injury. <i>JAMA Network Open</i> , 2020, 3, e2017337.	2.8	36
14	Analysis of SteraMist ionized hydrogen peroxide technology in the sterilization of N95 respirators and other PPE. <i>Scientific Reports</i> , 2021, 11, 2051.	1.6	34
15	Physics-informed Deep Learning for Dual-Energy Computed Tomography Image Processing. <i>Scientific Reports</i> , 2019, 9, 17709.	1.6	27
16	Spot and Diffuse Signs: Quantitative Markers of Intracranial Hematoma Expansion at Dual-Energy CT. <i>Radiology</i> , 2019, 290, 179-186.	3.6	27
17	Imaging of head trauma. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2016, 135, 447-477.	1.0	25
18	Assessment of the Qualitative Fit Test and Quantitative Single-Pass Filtration Efficiency of Disposable N95 Masks Following Gamma Irradiation. <i>JAMA Network Open</i> , 2020, 3, e209961.	2.8	25

#	ARTICLE	IF	CITATIONS
19	Stationary Computed Tomography for Space and other Resource-constrained Environments. Scientific Reports, 2018, 8, 14195.	1.6	22
20	Optimal Brain MRI Protocol for New Neurological Complaint. PLoS ONE, 2014, 9, e110803.	1.1	20
21	Compact Robotically Steerable Image-Guided Instrument for Multi-Adjacent-Point (MAP) Targeting. IEEE Transactions on Robotics, 2014, 30, 802-815.	7.3	20
22	Effect of CTA Tube Current on Spot Sign Detection and Accuracy for Prediction of Intracerebral Hemorrhage Expansion. American Journal of Neuroradiology, 2016, 37, 1781-1786.	1.2	20
23	Dual-Energy Computed Tomographic Applications for Differentiation of Intracranial Hemorrhage, Calcium, and Iodine. Neuroimaging Clinics of North America, 2017, 27, 401-409.	0.5	19
24	Multi-turn, tension-stiffening catheter navigation system. , 2010, , .		18
25	Clinical applications of dual-energy CT in head and neck imaging. European Archives of Oto-Rhino-Laryngology, 2016, 273, 547-553.	0.8	16
26	Universal Shelter-in-Place Versus Advanced Automated Contact Tracing and Targeted Isolation. Mayo Clinic Proceedings, 2020, 95, 1898-1905.	1.4	16
27	Clinical, Imaging, and Lab Correlates of Severe COVID-19 Leukoencephalopathy. American Journal of Neuroradiology, 2021, 42, 632-638.	1.2	16
28	A rapid genotyping panel for detection of primary central nervous system lymphoma. Blood, 2021, 138, 382-386.	0.6	13
29	Lesions in deep gray nuclei after severe traumatic brain injury predict neurologic outcome. PLoS ONE, 2017, 12, e0186641.	1.1	12
30	An East Coast Perspective on Artificial Intelligence and Machine Learning. Neuroimaging Clinics of North America, 2020, 30, 467-478.	0.5	12
31	An Electroencephalography Grid with Conductive Nanoparticles in a Polymer Thick Film on an Organic Substrate Improves CT and MR Imaging. Radiology, 2016, 280, 595-601.	3.6	11
32	An East Coast Perspective on Artificial Intelligence and Machine Learning: Part 1. Neuroimaging Clinics of North America, 2020, 30, 459-466.	0.5	11
33	Towards a compact robotically steerable thermal ablation probe. , 2012, , .		10
34	Reversal of Vasospasm with Clazosentan After Aneurysmal Subarachnoid Hemorrhage: A Pilot Study. World Neurosurgery, 2019, 128, e639-e648.	0.7	9
35	Sequential Therapy With Recombinant Human IGF-1 Followed by Risedronate Increases Spine Bone Mineral Density in Women With Anorexia Nervosa: A Randomized, Placebo-Controlled Trial. Journal of Bone and Mineral Research, 2021, 36, 2116-2126.	3.1	9
36	Dual energy CT: a step ahead in brain and spine imaging. British Journal of Radiology, 2020, 93, 20190872.	1.0	8

#	ARTICLE	IF	CITATIONS
37	A Remote Needle Guidance System for Percutaneous Biopsies. , 2005, , 481.		7
38	Computed Tomographic Angiography in Stroke Imaging: Fundamental Principles, Pathologic Findings, and Common Pitfalls. Seminars in Ultrasound, CT and MRI, 2006, 27, 221-242.	0.7	7
39	Evaluation of a Patient-Mounted, Remote Needle Guidance and Insertion System for CT-Guided, Percutaneous Lung Biopsies. , 2007, , .		6
40	Temporal evolution of vasospasm and clinical outcome after intra-arterial vasodilator therapy in patients with aneurysmal subarachnoid hemorrhage. PLoS ONE, 2017, 12, e0174676.	1.1	5
41	Clazosentan for Improvement of Time to Peak Perfusion in Patients with Angiographically Confirmed Severe Vasospasm. Neurocritical Care, 2022, 36, 240-247.	1.2	4
42	Determinants of intracranial aneurysm retreatment following embolization with a single flow-diverting stent. Neuroradiology Journal, 2022, 35, 461-467.	0.6	4
43	Clinical and neuroradiologic characteristics in varicella zoster virus reactivation with central nervous system involvement. Journal of the Neurological Sciences, 2022, 437, 120262.	0.3	4
44	Characterization of Precurved Needles for Use in Distal Tip Manipulation Mechanisms. Journal of Medical Devices, Transactions of the ASME, 2010, 4, .	0.4	3
45	Wave optics simulation of gratingâ€based Xâ€ray phaseâ€contrast imaging using 4D Mouse Whole Body (MOBY) phantom. Medical Physics, 2020, 47, 5761-5771.	1.6	3
46	A Study of Hostility, Career Choice and Job Satisfaction Among Surgeons. Medical Journal Armed Forces India, 2002, 58, 210-213.	0.3	1
47	CT-Compatible Medical Drilling Stylet. Journal of Medical Devices, Transactions of the ASME, 2012, 6, .	0.4	1
48	Phase-contrast imaging with a compact x-ray light source: system design. Journal of Medical Imaging, 2017, 4, 1.	0.8	1
49	Synergistic Role of Quantitative Diffusion Magnetic Resonance Imaging and Structural Magnetic Resonance Imaging in Predicting Outcomes After Traumatic Brain Injury. Journal of Computer Assisted Tomography, 2022, 46, 236-243.	0.5	1
50	Dynamic X-ray elastography using a pulsed photocathode source. Scientific Reports, 2021, 11, 24128.	1.6	1
51	Reply:. American Journal of Neuroradiology, 2016, 37, E64-E64.	1.2	0
52	Case 37-2018: A 23-Year-Old Woman with Vision Loss. New England Journal of Medicine, 2018, 379, 2152-2159.	13.9	0