Rajiv Gupta

List of Publications by Year in descending order

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52	1,796	361296	276775
papers	citations	20 h-index	41 g-index

55	55	55	2536
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clazosentan for Improvement of Time to Peak Perfusion in Patients with Angiographically Confirmed Severe Vasospasm. Neurocritical Care, 2022, 36, 240-247.	1.2	4
2	Determinants of intracranial aneurysm retreatment following embolization with a single flow-diverting stent. Neuroradiology Journal, 2022, 35, 461-467.	0.6	4
3	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
4	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
5	Clinical, Imaging, and Lab Correlates of Severe COVID-19 Leukoencephalopathy. American Journal of Neuroradiology, 2021, 42, 632-638.	1.2	16
6	Analysis of SteraMist ionized hydrogen peroxide technology in the sterilization of N95 respirators and other PPE. Scientific Reports, 2021, 11, 2051.	1.6	34
7	A rapid genotyping panel for detection of primary central nervous system lymphoma. Blood, 2021, 138, 382-386.	0.6	13
8	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
9	Dynamic X-ray elastography using a pulsed photocathode source. Scientific Reports, 2021, 11, 24128.	1.6	1
10	An East Coast Perspective on Artificial Intelligence and Machine Learning: Part 1. Neuroimaging Clinics of North America, 2020, 30, 459-466.	0.5	11
11	Universal Shelter-in-Place Versus Advanced Automated Contact Tracing and Targeted Isolation. Mayo Clinic Proceedings, 2020, 95, 1898-1905.	1.4	16
12	An East Coast Perspective on Artificial Intelligence and Machine Learning. Neuroimaging Clinics of North America, 2020, 30, 467-478.	0.5	12
13	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
14	Effect of Transcranial Low-Level Light Therapy vs Sham Therapy Among Patients With Moderate Traumatic Brain Injury. JAMA Network Open, 2020, 3, e2017337.	2.8	36
15	Assessment of the Qualitative Fit Test and Quantitative Single-Pass Filtration Efficiency of Disposable N95 Masks Following Gamma Irradiation. JAMA Network Open, 2020, 3, e209961.	2.8	25
16	Dual energy CT: a step ahead in brain and spine imaging. British Journal of Radiology, 2020, 93, 20190872.	1.0	8
17	Reversal of Vasospasm with Clazosentan After Aneurysmal Subarachnoid Hemorrhage: A Pilot Study. World Neurosurgery, 2019, 128, e639-e648.	0.7	9
18	Physics-informed Deep Learning for Dual-Energy Computed Tomography Image Processing. Scientific Reports, 2019, 9, 17709.	1.6	27

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19	Spot and Diffuse Signs: Quantitative Markers of Intracranial Hematoma Expansion at Dual-Energy CT. Radiology, 2019, 290, 179-186.	3.6	27
20	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. Lancet Neurology, The, 2018, 17, 317-326.	4.9	126
21	Case 37-2018: A 23-Year-Old Woman with Vision Loss. New England Journal of Medicine, 2018, 379, 2152-2159.	13.9	0
22	Stationary Computed Tomography for Space and other Resource-constrained Environments. Scientific Reports, 2018, 8, 14195.	1.6	22
23	Dual-Energy Computed Tomography. Neuroimaging Clinics of North America, 2017, 27, 385-400.	0.5	67
24	Dual-Energy Computed Tomography. Neuroimaging Clinics of North America, 2017, 27, 371-384.	0.5	97
25	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
26	Lesions in deep gray nuclei after severe traumatic brain injury predict neurologic outcome. PLoS ONE, 2017, 12, e0186641.	1.1	12
27	Phase-contrast imaging with a compact x-ray light source: system design. Journal of Medical Imaging, 2017, 4, 1.	0.8	1
28	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
29	Imaging of venous compression syndromes. Cardiovascular Diagnosis and Therapy, 2016, 6, 519-532.	0.7	76
30	Imaging of head trauma. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 135, 447-477.	1.0	25
31	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
32	An Electrocorticography 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
33	Dual-Energy Head CT Enables Accurate Distinction of Intraparenchymal Hemorrhage from Calcification in Emergency Department Patients. Radiology, 2016, 280, 177-183.	3.6	46
34	Reply:. American Journal of Neuroradiology, 2016, 37, E64-E64.	1.2	0
35	Clinical applications of dual-energy CT in head and neck imaging. European Archives of Oto-Rhino-Laryngology, 2016, 273, 547-553.	0.8	16
36	Multiparametric Evaluation of Head and Neck Squamous Cell Carcinoma Using a Single-Source Dual-Energy CT with Fast kVp Switching: State of the Art. Cancers, 2015, 7, 2201-2216.	1.7	46

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37	Optimal Brain MRI Protocol for New Neurological Complaint. PLoS ONE, 2014, 9, e110803.	1.1	20
38	Compact Robotically Steerable Image-Guided Instrument for Multi-Adjacent-Point (MAP) Targeting. IEEE Transactions on Robotics, 2014, 30, 802-815.	7.3	20
39	Standardization and Optimization of CT Protocols to Achieve LowÂDose. Journal of the American College of Radiology, 2014, 11, 271-278.	0.9	83
40	CT-Compatible Medical Drilling Stylet. Journal of Medical Devices, Transactions of the ASME, 2012, 6, .	0.4	1
41	Towards a compact robotically steerable thermal ablation probe. , 2012, , .		10
42	Characterization of Precurved Needles for Use in Distal Tip Manipulation Mechanisms. Journal of Medical Devices, Transactions of the ASME, 2010, 4, .	0.4	3
43	Evaluation of Dual-Energy CT for Differentiating Intracerebral Hemorrhage from Iodinated Contrast Material Staining. Radiology, 2010, 257, 205-211.	3.6	205
44	Multi-turn, tension-stiffening catheter navigation system. , 2010, , .		18
45	Flat-Panel Volume CT: Fundamental Principles, Technology, and Applications. Radiographics, 2008, 28, 2009-2022.	1.4	185
46	A Patient-Mounted, Telerobotic Tool for CT-Guided Percutaneous Interventions. Journal of Medical Devices, Transactions of the ASME, 2008, 2, .	0.4	79
47	Evaluation of a Patient-Mounted, Remote Needle Guidance and Insertion System for CT-Guided, Percutaneous Lung Biopsies. , 2007, , .		6
48	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
49	Ultra-high resolution flat-panel volume CT: fundamental principles, design architecture, and system characterization. European Radiology, 2006, 16, 1191-1205.	2.3	186
50	A Remote Needle Guidance System for Percutaneous Biopsies. , 2005, , 481.		7
51	Experimental flat-panel high-spatial-resolution volume CT of the temporal bone. American Journal of Neuroradiology, 2004, 25, 1417-24.	1.2	89
52	A Study of Hostility, Career Choice and Job Satisfaction Among Surgeons. Medical Journal Armed Forces India, 2002, 58, 210-213.	0.3	1