

# Roy Riascos

## List of Publications by Citations

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77  
papers

1,387  
citations

23  
h-index

34  
g-index

83  
ext. papers

1,779  
ext. citations

3.6  
avg, IF

4.52  
L-index

#	Paper	IF	Citations
77	NIMG-22MORPHOLOGICAL RECONSTRUCTION BASED AUTOMATED SEGMENTATION OF GLIOBLASTOMA TUMOR VOLUME ON MULTI-MODAL MRI IMAGES. <i>Neuro-Oncology</i> , <b>2015</b> , 17, v158.2-v158	15.8	78
76	Optic disc edema in an astronaut after repeat long-duration space flight. <i>Journal of Neuro-Ophthalmology</i> , <b>2013</b> , 33, 249-55	2.6	74
75	Spaceflight-Associated Brain White Matter Microstructural Changes and Intracranial Fluid Redistribution. <i>JAMA Neurology</i> , <b>2019</b> , 76, 412-419	17.2	65
74	Outcomes of Endovascular Thrombectomy vs Medical Management Alone in Patients With Large Ischemic Cores: A Secondary Analysis of the Optimizing Patient Selection for Endovascular Treatment in Acute Ischemic Stroke (SELECT) Study. <i>JAMA Neurology</i> , <b>2019</b> , 76, 1147-1156	17.2	64
73	Imaging of Atlanto-Occipital and Atlantoaxial Traumatic Injuries: What the Radiologist Needs to Know. <i>Radiographics</i> , <b>2015</b> , 35, 2121-34	5.4	62
72	Neuroimaging in drug and substance abuse part II: opioids and solvents. <i>Topics in Magnetic Resonance Imaging</i> , <b>2005</b> , 16, 239-45	2.3	61
71	Diffusion tensor imaging of the human cerebellar pathways and their interplay with cerebral macrostructure. <i>Frontiers in Neuroanatomy</i> , <b>2015</b> , 9, 41	3.6	51
70	Imaging of oncologic emergencies: what every radiologist should know. <i>Radiographics</i> , <b>2013</b> , 33, 1533-534	5.4	50
69	Brain plasticity and sensorimotor deterioration as a function of 70 days head down tilt bed rest. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182236	3.7	47
68	The neuroimaging of Leigh syndrome: case series and review of the literature. <i>Pediatric Radiology</i> , <b>2016</b> , 46, 443-51	2.8	45
67	Comprehensive review of the anatomy, function, and imaging of the popliteus and associated pathologic conditions. <i>Radiographics</i> , <b>2014</b> , 34, 496-513	5.4	43
66	Revealing the ventral amygdalofugal pathway of the human limbic system using high spatial resolution diffusion tensor tractography. <i>Brain Structure and Function</i> , <b>2016</b> , 221, 3561-9	4	39
65	Effects of a spaceflight analog environment on brain connectivity and behavior. <i>NeuroImage</i> , <b>2016</b> , 141, 18-30	7.9	39
64	Nonvascular, nontraumatic mediastinal emergencies in adults: a comprehensive review of imaging findings. <i>Radiographics</i> , <b>2011</b> , 31, 1141-60	5.4	39
63	Intracranial Effects of Microgravity: A Prospective Longitudinal MRI Study. <i>Radiology</i> , <b>2020</b> , 295, 640-648	20.5	34
62	Increased Brain Activation for Dual Tasking with 70-Days Head-Down Bed Rest. <i>Frontiers in Systems Neuroscience</i> , <b>2016</b> , 10, 71	3.5	31
61	Cerebral Radiation Necrosis: Incidence, Pathogenesis, Diagnostic Challenges, and Future Opportunities. <i>Current Oncology Reports</i> , <b>2019</b> , 21, 66	6.3	29

60	Assessment of Glioblastoma Response in the Era of Bevacizumab: Longstanding and Emergent Challenges in the Imaging Evaluation of Pseudoresponse. <i>Frontiers in Neurology</i> , <b>2019</b> , 10, 460	4.1	28
59	Mapping the trajectory of the stria terminalis of the human limbic system using high spatial resolution diffusion tensor tractography. <i>Neuroscience Letters</i> , <b>2015</b> , 608, 45-50	3.3	27
58	Congenital basis of posterior fossa anomalies. <i>Neuroradiology Journal</i> , <b>2015</b> , 28, 238-53	2	26
57	Vestibular brain changes within 70 days of head down bed rest. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 2753-2763	5.3	26
56	Longitudinal Analysis of Quantitative Brain MRI in Astronauts Following Microgravity Exposure. <i>Journal of Neuroimaging</i> , <b>2019</b> , 29, 323-330	2.8	23
55	Analysis of cerebrospinal fluid metabolites in patients with primary or metastatic central nervous system tumors. <i>Acta Neuropathologica Communications</i> , <b>2018</b> , 6, 85	7.3	23
54	Diffusion tensor tractography of the mammillothalamic tract in the human brain using a high spatial resolution DTI technique. <i>Scientific Reports</i> , <b>2018</b> , 8, 5229	4.9	22
53	Central nervous system tuberculosis. <i>Topics in Magnetic Resonance Imaging</i> , <b>2014</b> , 23, 173-89	2.3	20
52	Fatal methadone intoxication in a child. <i>Emergency Radiology</i> , <b>2008</b> , 15, 67-70	3	20
51	Neuroimaging in drug and substance abuse part I: cocaine, cannabis, and ecstasy. <i>Topics in Magnetic Resonance Imaging</i> , <b>2005</b> , 16, 231-8	2.3	20
50	Imaging of the brain in patients with human immunodeficiency virus infection. <i>Topics in Magnetic Resonance Imaging</i> , <b>2014</b> , 23, 275-91	2.3	19
49	Neural predictors of sensorimotor adaptation rate and savings. <i>Human Brain Mapping</i> , <b>2018</b> , 39, 1516-1530	5.0	18
48	MR-derived cerebral spinal fluid hydrodynamics as a marker and a risk factor for intracranial hypertension in astronauts exposed to microgravity. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 42, 1560-71	5.6	18
47	Intracranial Fluid Redistribution But No White Matter Microstructural Changes During a Spaceflight Analog. <i>Scientific Reports</i> , <b>2017</b> , 7, 3154	4.9	17
46	Cardiovascular complications of cocaine: imaging findings. <i>Emergency Radiology</i> , <b>2009</b> , 16, 11-9	3	17
45	Change of cortical foot activation following 70 days of head-down bed rest. <i>Journal of Neurophysiology</i> , <b>2018</b> , 119, 2145-2152	3.2	14
44	Musculoskeletal infection imaging: past, present, and future. <i>Current Infectious Disease Reports</i> , <b>2005</b> , 7, 365-72	3.9	14
43	Neurofibromatosis type 1: spinal manifestations of a systemic disease. <i>Journal of Computer Assisted Tomography</i> , <b>2005</b> , 29, 532-9	2.2	13

42	A novel use of a landmark to avoid injury of the anterior ethmoidal artery during endoscopic sinus surgery. <i>American Journal of Rhinology and Allergy</i> , <b>2011</b> , 25, 54-7	2.4	12
41	Preflight, In-Flight, and Postflight Imaging of the Cervical and Lumbar Spine in Astronauts. <i>Aerospace Medicine and Human Performance</i> , <b>2018</b> , 89, 32-40	1.1	12
40	Treatment of Disfiguring Cutaneous Lesions in Neurofibromatosis-1 with Everolimus: A Phase II, Open-Label, Single-Arm Trial. <i>Drugs in R and D</i> , <b>2018</b> , 18, 295-302	3.4	11
39	PET and SPECT in drug and substance abuse. <i>Topics in Magnetic Resonance Imaging</i> , <b>2005</b> , 16, 253-6	2.3	9
38	Standardizing Magnetic Resonance Imaging Protocols, Requisitions, and Reports in Multiple Sclerosis: An Update for Radiologist Based on 2017 Magnetic Resonance Imaging in Multiple Sclerosis and 2018 Consortium of Multiple Sclerosis Centers Consensus Guidelines. <i>Journal of Computer Assisted Tomography</i> , <b>2019</b> , 43, 1-12	2.2	8
37	Revealing the cerebello-ponto-hypothalamic pathway in the human brain. <i>Neuroscience Letters</i> , <b>2018</b> , 677, 1-5	3.3	8
36	Fluciclovine, Anti-1-Amino-3-[F]-Fluorocyclobutane-1-Carboxylic Acid: A Novel Radiotracer for Meningioma. <i>World Neurosurgery</i> , <b>2018</b> , 119, 132-136	2.1	8
35	Paragangliomas of the head and neck: imaging assessment. <i>Ear, Nose and Throat Journal</i> , <b>2014</b> , 93, E22-4	4	8
34	An unusual case of isolated hypoglossal nerve palsy secondary to osteophytic projection from the atlanto-occipital joint. <i>Neuroradiology Journal</i> , <b>2014</b> , 27, 361-4	2	8
33	Imaging of Chronic Concussion. <i>Neuroimaging Clinics of North America</i> , <b>2018</b> , 28, 127-135	3	7
32	Incidence of cervical spine fractures on CT: a study in a large level I trauma center. <i>Emergency Radiology</i> , <b>2020</b> , 27, 1-8	3	7
31	Novel finding of optic nerve central T2 hypointensity utilizing 3 Tesla MR imaging. <i>Neuroradiology Journal</i> , <b>2015</b> , 28, 133-6	2	6
30	Imaging manifestations of tropical parasitic infections. <i>Seminars in Roentgenology</i> , <b>2007</b> , 42, 37-48	0.8	6
29	MRI Compatibility: Automatic Brain Shunt Valve Recognition using Feature Engineering and Deep Convolutional Neural Networks. <i>Scientific Reports</i> , <b>2018</b> , 8, 16052	4.9	6
28	Brain Quantitative MRI Metrics in Astronauts as a Unique Professional Group. <i>Journal of Neuroimaging</i> , <b>2018</b> , 28, 256-268	2.8	5
27	Mapping the trajectory of the amygdalothalamic tract in the human brain. <i>Journal of Neuroscience Research</i> , <b>2018</b> , 96, 1176-1185	4.4	5
26	Facial vein thrombophlebitis: an uncommon complication of sinusitis. <i>Pediatric Radiology</i> , <b>2015</b> , 45, 1244-8	2.8	5
25	Imaging and Anatomic Features of Juvenile Angiofibroma. <i>Neurographics</i> , <b>2011</b> , 1, 84-89	0.4	5

24	Persistent Globe Flattening in Astronauts following Long-Duration Spaceflight. <i>Neuro-Ophthalmology</i> , <b>2021</b> , 45, 29-35	0.9	5
23	Exercise effects on bed rest-induced brain changes. <i>PLoS ONE</i> , <b>2018</b> , 13, e0205515	3.7	5
22	Imaging of isolated cerebral mucormycosis. A report of three cases. <i>Neuroradiology Journal</i> , <b>2007</b> , 20, 525-30	2	4
21	Spindle cell hemangioma reoccurrence in the hand: case report. <i>Hand</i> , <b>2012</b> , 7, 194-9	1.4	3
20	CT evaluation of caudal versus lumbar access to the intradural space. <i>Neurological Research</i> , <b>2011</b> , 33, 1094-8	2.7	3
19	Indentation and Transverse Diameter of the Meckel Cave: Imaging Markers to Diagnose Idiopathic Intracranial Hypertension. <i>American Journal of Neuroradiology</i> , <b>2020</b> , 41, 1487-1494	4.4	3
18	Subarachnoid and basal cistern navigation through the sacral hiatus with guide wire assistance. <i>Neurological Research</i> , <b>2011</b> , 33, 633-7	2.7	2
17	Longitudinal connectome-based predictive modeling for REM sleep behavior disorder from structural brain connectivity <b>2018</b> ,		2
16	Orbital and nasal meningoencephaloceles secondary to chronic hydrocephalus: A rare cause of bilateral proptosis. <i>Neuroradiology Journal</i> , <b>2018</b> , 31, 420-425	2	1
15	Patient-specific 3D FLAIR for enhanced visualization of brain white matter lesions in multiple sclerosis. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 46, 557-564	5.6	1
14	Suspected liposarcoma of the hip by magnetic resonance imaging 3 years after large-volume fat grafting for buttock augmentation. <i>Aesthetic Surgery Journal</i> , <b>2014</b> , 34, NP66-9	2.4	1
13	A nasal mass. Nasal dermoid ND cyst. <i>JAMA Otolaryngology - Head and Neck Surgery</i> , <b>2013</b> , 139, 745-6	3.9	1
12	Atlanto-occipital distraction injuries in survivors: craniometrics and associated ligamentous, spinal cord, and blunt cerebrovascular injury. <i>Emergency Radiology</i> , <b>2021</b> , 28, 83-92	3	1
11	Deep learning enabled brain shunt valve identification using mobile phones. <i>Computer Methods and Programs in Biomedicine</i> , <b>2021</b> , 210, 106356	6.9	1
10	Retropharyngeal masses in neurofibromatosis type 1: Imaging findings in 2 cases. <i>Ear, Nose and Throat Journal</i> , <b>2014</b> , 93, E35-7	1	1
9	The Variable Appearance of Third Ventricular Colloid Cysts: Correlation with Histopathology and the Risk of Obstructive Ventriculomegaly. <i>American Journal of Neuroradiology</i> , <b>2020</b> , 41, 1833-1840	4.4	0
8	Development of a Standardized Grading Scale for Atherosclerotic Disease of the Head and Neck. <i>Journal of Computer Assisted Tomography</i> , <b>2019</b> , 43, 533-538	2.2	0
7	Imágenes del depósito de gadolinio en el sistema nervioso central. <i>Revista Chilena De Radiología</i> , <b>2017</b> , 23, 59-65	0	

6 Radiological Imaging of Spine Infection **2013**, 54-74

5 The Many Guises of Mitochondrial Disease. *Neurographics*, **2013**, 3, 2-10

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4 Pitfalls in the Detection of Intracranial Aneurysms With 3-Dimensional 64-Multidetector CT Angiography. *Contemporary Diagnostic Radiology*, **2012**, 35, 1-6

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3 NIMG-59. EVALUATION OF GLCM FEATURES BASED CLASSIFIERS IN DIFFERENTIATING TUMOR GRADES ON MULTI-MODAL MR IMAGES. *Neuro-Oncology*, **2020**, 22, ii161-ii161

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2 Metástasis durales: una forma infrecuente de recurrencia en tumores nasosinuales malignos. *Revista Chilena De Radiología*, **2016**, 22, 164-170

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1 Recommendations for Neuroradiology Training during Radiology Residency by the American Society of Neuroradiology Section Chiefs Leadership Group. *American Journal of Neuroradiology*, **2021**, 42, E7-E9

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