

Javier M Romero

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128
papers

3,482
citations

34
h-index

55
g-index

133
ext. papers

4,056
ext. citations

8.2
avg, IF

4.9
L-index

#	Paper	IF	Citations
128	Predicting hematoma expansion after primary intracerebral hemorrhage. <i>JAMA Neurology</i> , 2014 , 71, 158-64	17.2	196
127	Systematic characterization of the computed tomography angiography spot sign in primary intracerebral hemorrhage identifies patients at highest risk for hematoma expansion: the spot sign score. <i>Stroke</i> , 2009 , 40, 2994-3000	6.7	185
126	An explainable deep-learning algorithm for the detection of acute intracranial haemorrhage from small datasets. <i>Nature Biomedical Engineering</i> , 2019 , 3, 173-182	19	180
125	The spot sign score in primary intracerebral hemorrhage identifies patients at highest risk of in-hospital mortality and poor outcome among survivors. <i>Stroke</i> , 2010 , 41, 54-60	6.7	157
124	Dramatic Response of BRAF V600E Mutant Papillary Craniopharyngioma to Targeted Therapy. <i>Journal of the National Cancer Institute</i> , 2016 , 108,	9.7	144
123	APOE genotype and extent of bleeding and outcome in lobar intracerebral haemorrhage: a genetic association study. <i>Lancet Neurology</i> , 2011 , 10, 702-9	24.1	141
122	Imaging of the carotid arteries: the role of duplex ultrasonography, magnetic resonance arteriography, and computerized tomographic arteriography. <i>Vascular Medicine</i> , 2008 , 13, 281-92	3.3	110
121	Blood pressure reduction and noncontrast CT markers of intracerebral hemorrhage expansion. <i>Neurology</i> , 2017 , 89, 548-554	6.5	97
120	Diagnostic accuracy and yield of multidetector CT angiography in the evaluation of spontaneous intraparenchymal cerebral hemorrhage. <i>American Journal of Neuroradiology</i> , 2009 , 30, 1213-21	4.4	83
119	Clinical applications of the computed tomography angiography spot sign in acute intracerebral hemorrhage: a review. <i>Stroke</i> , 2012 , 43, 3427-32	6.7	76
118	Predicting Intracerebral Hemorrhage Growth With the Spot Sign: The Effect of Onset-to-Scan Time. <i>Stroke</i> , 2016 , 47, 695-700	6.7	75
117	Prevalence of traumatic dural venous sinus thrombosis in high-risk acute blunt head trauma patients evaluated with multidetector CT venography. <i>Radiology</i> , 2010 , 255, 570-7	20.5	72
116	Intensive Blood Pressure Reduction and Spot Sign in Intracerebral Hemorrhage: A Secondary Analysis of a Randomized Clinical Trial. <i>JAMA Neurology</i> , 2017 , 74, 950-960	17.2	67
115	CTA spot sign predicts hematoma expansion in patients with delayed presentation after intracerebral hemorrhage. <i>Neurocritical Care</i> , 2012 , 17, 421-8	3.3	67
114	CT angiography for intracerebral hemorrhage does not increase risk of acute nephropathy. <i>Stroke</i> , 2009 , 40, 2393-7	6.7	67
113	Predicting Intracerebral Hemorrhage Expansion With Noncontrast Computed Tomography: The BAT Score. <i>Stroke</i> , 2018 , 49, 1163-1169	6.7	66
112	Unruptured intracranial aneurysms conservatively followed with serial CT angiography: could morphology and growth predict rupture?. <i>Journal of NeuroInterventional Surgery</i> , 2014 , 6, 761-6	7.8	63

111	The Massachusetts General Hospital acute stroke imaging algorithm: an experience and evidence based approach. <i>Journal of NeuroInterventional Surgery</i> , 2013 , 5 Suppl 1, i7-12	7.8	63
110	Apolipoprotein E genotype predicts hematoma expansion in lobar intracerebral hemorrhage. <i>Stroke</i> , 2012 , 43, 1490-5	6.7	63
109	Prospective validation of the computed tomographic angiography spot sign score for intracerebral hemorrhage. <i>Stroke</i> , 2013 , 44, 3097-102	6.7	53
108	CT angiography spot sign in intracerebral hemorrhage predicts active bleeding during surgery. <i>Neurology</i> , 2014 , 83, 883-9	6.5	46
107	Total occlusion versus hairline residual lumen of the internal carotid arteries: accuracy of single section helical CT angiography. <i>American Journal of Neuroradiology</i> , 2003 , 24, 1123-9	4.4	46
106	Association Between Serum Calcium Level and Extent of Bleeding in Patients With Intracerebral Hemorrhage. <i>JAMA Neurology</i> , 2016 , 73, 1285-1290	17.2	45
105	CT angiography-source image hypoattenuation predicts clinical outcome in posterior circulation strokes treated with intra-arterial therapy. <i>Stroke</i> , 2008 , 39, 3107-9	6.7	43
104	Practical scoring system for the identification of patients with intracerebral hemorrhage at highest risk of harboring an underlying vascular etiology: the Secondary Intracerebral Hemorrhage Score. <i>American Journal of Neuroradiology</i> , 2010 , 31, 1653-60	4.4	40
103	Arterial wall enhancement overlying carotid plaque on CT angiography correlates with symptoms in patients with high grade stenosis. <i>Stroke</i> , 2009 , 40, 1894-6	6.7	40
102	Accuracy of CT angiography for the diagnosis of vascular abnormalities causing intraparenchymal hemorrhage in young patients. <i>Emergency Radiology</i> , 2009 , 16, 195-201	3	40
101	Contrast-enhanced MR angiography is not more accurate than unenhanced 2D time-of-flight MR angiography for determining > or = 70% internal carotid artery stenosis. <i>American Journal of Neuroradiology</i> , 2009 , 30, 761-8	4.4	39
100	Desmoteplase 3 to 9 Hours After Major Artery Occlusion Stroke: The DIAS-4 Trial (Efficacy and Safety Study of Desmoteplase to Treat Acute Ischemic Stroke). <i>Stroke</i> , 2016 , 47, 2880-2887	6.7	38
99	Spot sign on 90-second delayed computed tomography angiography improves sensitivity for hematoma expansion and mortality: prospective study. <i>Stroke</i> , 2014 , 45, 3293-7	6.7	38
98	Clinical and radiographic response following targeting of BCAN-NTRK1 fusion in glioneuronal tumor. <i>Npj Precision Oncology</i> , 2017 , 1, 5	9.8	37
97	Comparison of hematoma shape and volume estimates in warfarin versus non-warfarin-related intracerebral hemorrhage. <i>Neurocritical Care</i> , 2010 , 12, 30-4	3.3	37
96	Effect of IV glyburide on adjudicated edema endpoints in the GAMES-RP Trial. <i>Neurology</i> , 2018 , 91, e2168-2169	3.2	35
95	Apolipoprotein E genotype is associated with CT angiography spot sign in lobar intracerebral hemorrhage. <i>Stroke</i> , 2012 , 43, 2120-5	6.7	34
94	Multidetector CT angiography in the evaluation of acute blunt head and neck trauma: a proposed acute craniocervical trauma scoring system. <i>Radiology</i> , 2010 , 254, 236-44	20.5	32

93	Ultrasound findings in Plasmodium falciparum malaria: a pilot study. <i>Pediatric Critical Care Medicine</i> , 2011 , 12, e58-63	3	30
92	CT angiography spot sign predicts in-hospital mortality in patients with secondary intracerebral hemorrhage. <i>Journal of NeuroInterventional Surgery</i> , 2012 , 4, 442-7	7.8	30
91	Rate of Contrast Extravasation on Computed Tomographic Angiography Predicts Hematoma Expansion and Mortality in Primary Intracerebral Hemorrhage. <i>Stroke</i> , 2015 , 46, 2498-503	6.7	28
90	Noninvasive evaluation of carotid artery stenosis: indications, strategies, and accuracy. <i>Neuroimaging Clinics of North America</i> , 2005 , 15, 351-65, xi	3	28
89	US of neurovascular occlusive disease: interpretive pearls and pitfalls. <i>Radiographics</i> , 2002 , 22, 1165-76	5.4	27
88	CT Angiography Spot Sign, Hematoma Expansion, and Outcome in Primary Pontine Intracerebral Hemorrhage. <i>Neurocritical Care</i> , 2016 , 25, 79-85	3.3	26
87	Computed tomography angiography of the carotid and cerebral circulation. <i>Radiologic Clinics of North America</i> , 2010 , 48, 265-81, vii-viii	2.3	26
86	Spot sign score predicts rapid bleeding in spontaneous intracerebral hemorrhage. <i>Emergency Radiology</i> , 2012 , 19, 195-202	3	25
85	Anatomic pattern of intracerebral hemorrhage expansion: relation to CT angiography spot sign and hematoma center. <i>Stroke</i> , 2014 , 45, 1154-6	6.7	24
84	Basilar and middle cerebral artery reserve: a comparative study using transcranial Doppler and breath-holding techniques. <i>Stroke</i> , 2001 , 32, 2793-6	6.7	24
83	Risk factors for computed tomography angiography spot sign in deep and lobar intracerebral hemorrhage are shared. <i>Stroke</i> , 2014 , 45, 1833-5	6.7	23
82	Detection of common carotid artery stenosis using duplex ultrasonography: a validation study with computed tomographic angiography. <i>Journal of Vascular Surgery</i> , 2010 , 51, 65-70	3.5	23
81	Vasa vasorum enhancement on computerized tomographic angiography correlates with symptomatic patients with 50% to 70% carotid artery stenosis. <i>Stroke</i> , 2013 , 44, 3344-9	6.7	22
80	Imaging challenges of carotid artery in-stent restenosis. <i>Journal of NeuroInterventional Surgery</i> , 2014 , 6, 32-41	7.8	21
79	Predictors of functional outcome vary by the hemisphere of involvement in major ischemic stroke treated with intra-arterial therapy: a retrospective cohort study. <i>BMC Neurology</i> , 2010 , 10, 25	3.1	21
78	Diffusion MR imaging of acute ischemic stroke. <i>Neuroimaging Clinics of North America</i> , 2002 , 12, 35-53	3	20
77	Imaging of the brain in patients with human immunodeficiency virus infection. <i>Topics in Magnetic Resonance Imaging</i> , 2014 , 23, 275-91	2.3	19
76	Advanced CT imaging in the evaluation of hemorrhagic stroke. <i>Neuroimaging Clinics of North America</i> , 2011 , 21, 197-213, ix	3	19

75	Independent validation of the secondary intracerebral hemorrhage score with catheter angiography and findings of emergent hematoma evacuation. <i>Neurosurgery</i> , 2012 , 70, 131-40; discussion 140	3.2	19
74	Effect of CTA Tube Current on Spot Sign Detection and Accuracy for Prediction of Intracerebral Hemorrhage Expansion. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1781-1786	4.4	19
73	Integration of Computed Tomographic Angiography Spot Sign and Noncontrast Computed Tomographic Hypodensities to Predict Hematoma Expansion. <i>Stroke</i> , 2018 , 49, 2067-2073	6.7	19
72	Contusion Contrast Extravasation Depicted on Multidetector Computed Tomography Angiography Predicts Growth and Mortality in Traumatic Brain Contusion. <i>Journal of Neurotrauma</i> , 2016 , 33, 1015-22	5.4	15
71	Contrast extravasation on CT angiography predicts hematoma expansion and mortality in acute traumatic subdural hemorrhage. <i>American Journal of Neuroradiology</i> , 2013 , 34, 1528-34	4.4	15
70	Central Nervous System Vasculopathies. <i>Radiologic Clinics of North America</i> , 2019 , 57, 1117-1131	2.3	15
69	Spot and Diffuse Signs: Quantitative Markers of Intracranial Hematoma Expansion at Dual-Energy CT. <i>Radiology</i> , 2019 , 290, 179-186	20.5	15
68	Incidental Statin Use and the Risk of Stroke or Transient Ischemic Attack after Radiotherapy for Head and Neck Cancer. <i>Journal of Stroke</i> , 2018 , 20, 71-79	5.6	15
67	Contrast-Enhanced Ultrasound. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2017 , 25, 725-736	1.6	14
66	Sensitivity of visual and quantitative detection of middle cerebral artery occlusion on non-contrast-enhanced computed tomography. <i>Neuroradiology</i> , 2014 , 56, 1063-8	3.2	14
65	Vessel wall MR imaging for the detection of intracranial inflammatory vasculopathies. <i>Cardiovascular Diagnosis and Therapy</i> , 2020 , 10, 1108-1119	2.6	13
64	Cerebral Microbleeds and the Effect of Intensive Blood Pressure Reduction on Hematoma Expansion and Functional Outcomes: A Secondary Analysis of the ATACH-2 Randomized Clinical Trial. <i>JAMA Neurology</i> , 2018 , 75, 850-859	17.2	12
63	Comparative effectiveness research. <i>American Journal of Neuroradiology</i> , 2014 , 35, 1677-80	4.4	12
62	Case records of the Massachusetts General Hospital. Case 21-2010. A request for retrieval of oocytes from a 36-year-old woman with anoxic brain injury. <i>New England Journal of Medicine</i> , 2010 , 363, 276-83	59.2	12
61	Case records of the Massachusetts General Hospital. Case 14-2007. A 59-year-old man with fever and pain and swelling of both eyes and the right ear. <i>New England Journal of Medicine</i> , 2007 , 356, 1980-8	59.2	12
60	White Matter Hyperintensities and Blood Pressure Lowering in Acute Intracerebral Hemorrhage: A Secondary Analysis of the ATACH-2 Trial. <i>Neurocritical Care</i> , 2020 , 32, 180-186	3.3	12
59	Presence, Characteristics, and Prognostic Associations of Carotid Plaque Among People Living With HIV. <i>Circulation: Cardiovascular Imaging</i> , 2017 , 10,	3.9	11
58	Acoustic shadowing impairs accurate characterization of stenosis in carotid ultrasound examinations. <i>Journal of Vascular Surgery</i> , 2015 , 62, 1236-44	3.5	10

57	Detection and characterization of intracranial aneurysms: a 10-year multidetector CT angiography experience in a large center. <i>Journal of NeuroInterventional Surgery</i> , 2016 , 8, 1168-1172	7.8	10
56	Spatial Distribution of Intracranial Vessel Wall Enhancement in Hypertension and Primary Angiitis of the CNS. <i>Scientific Reports</i> , 2019 , 9, 19270	4.9	9
55	Optimal brain MRI protocol for new neurological complaint. <i>PLoS ONE</i> , 2014 , 9, e110803	3.7	8
54	Case records of the Massachusetts General Hospital. Case 17-2009. A 30-year-old man with progressive neurologic deficits. <i>New England Journal of Medicine</i> , 2009 , 360, 2341-51	59.2	8
53	Sensitivity of Hyperdense Basilar Artery Sign on Non-Enhanced Computed Tomography. <i>PLoS ONE</i> , 2015 , 10, e0141096	3.7	8
52	Hemorrhagic cerebrovascular disease. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2016 , 135, 351-364	3	8
51	Vessel Wall MRI Added to MR Angiography in the Evaluation of Suspected Vasculopathies. <i>Journal of Neuroimaging</i> , 2019 , 29, 454-457	2.8	8
50	Computed tomography angiography spot sign does not predict case fatality in aneurysmal subarachnoid hemorrhage with intraparenchymal extension. <i>Stroke</i> , 2013 , 44, 1590-4	6.7	7
49	CT angiography source image evaluation for stroke. <i>Seminars in Ultrasound, CT and MRI</i> , 2005 , 26, 387-93	1.7	7
48	Practical noninvasive neurovascular imaging of the neck arteries in patients with stroke, transient ischemic attack, and suspected arterial disease that may lead to ischemia, infarction, or flow abnormalities. <i>Seminars in Ultrasound, CT and MRI</i> , 2006 , 27, 177-93	1.7	7
47	Quantitative Evaluation of Performance in Interventional Neuroradiology: An Integrated Curriculum Featuring Theoretical and Practical Challenges. <i>PLoS ONE</i> , 2016 , 11, e0148694	3.7	7
46	Deep vein thrombosis protocol optimization to minimize healthcare worker exposure in coronavirus disease-2019. <i>Journal of Vascular Surgery: Venous and Lymphatic Disorders</i> , 2021 , 9, 299-306	3.2	7
45	Clinical, Imaging, and Lab Correlates of Severe COVID-19 Leukoencephalopathy. <i>American Journal of Neuroradiology</i> , 2021 , 42, 632-638	4.4	7
44	Case records of the Massachusetts General Hospital. Case 34-2008. A 58-year-old woman with neck pain and fever. <i>New England Journal of Medicine</i> , 2008 , 359, 1942-9	59.2	6
43	Frequency of adequate contrast opacification of the major intracranial venous structures with CT angiography in the setting of intracerebral hemorrhage: comparison of 16- and 64-section CT angiography techniques. <i>American Journal of Neuroradiology</i> , 2011 , 32, 839-45	4.4	5
42	Perfusion magnetic resonance imaging of acute ischemic stroke. <i>Seminars in Roentgenology</i> , 2002 , 37, 230-6	0.8	5
41	High resolution vessel wall MRI and vasculopathy related to herpes zoster ophthalmicus. <i>Clinical Imaging</i> , 2018 , 50, 336-339	2.7	5
40	Isolated intraventricular haemorrhage in adults. <i>British Journal of Radiology</i> , 2017 , 90, 20160779	3.4	4

39	Negative spot sign in primary intracerebral hemorrhage: potential impact in reducing imaging. <i>Emergency Radiology</i> , 2017 , 24, 1-6	3	4
38	Susceptibility Etching on MRI in Patients with Microangiopathy. <i>Journal of Neuroimaging</i> , 2017 , 27, 43-49.8		3
37	Temporal evolution of intraparenchymal hyperdensity after intra-arterial therapy in patients with ischemic stroke: optimal discrimination between hemorrhage and iodinated contrast. <i>Clinical Neuroradiology</i> , 2014 , 24, 365-71	2.7	3
36	Nontraumatic acute intraparenchymal hemorrhage: algorithm for workup and differential diagnosis. <i>Seminars in Roentgenology</i> , 2014 , 49, 112-26	0.8	3
35	Case records of the Massachusetts General Hospital. Case 1-2014. A 32-year-old man with loss of vision and a rash. <i>New England Journal of Medicine</i> , 2014 , 370, 159-66	59.2	3
34	Time efficiency and diagnostic agreement of 2-D versus 3-D ultrasound acquisition of the neonatal brain. <i>Ultrasound in Medicine and Biology</i> , 2014 , 40, 1804-9	3.5	3
33	Diffusion magnetic resonance imaging of acute ischemic stroke. <i>Seminars in Roentgenology</i> , 2002 , 37, 219-29	0.8	3
32	Spot Sign in Secondary Intraventricular Hemorrhage Predicts Early Neurological Decline. <i>Clinical Neuroradiology</i> , 2020 , 30, 761-768	2.7	3
31	CASE RECORDS of the MASSACHUSETTS GENERAL HOSPITAL. Case 10-2016. A 22-Year-Old Man with Sickle Cell Disease, Headache, and Difficulty Speaking. <i>New England Journal of Medicine</i> , 2016 , 374, 1265-75	59.2	3
30	High resolution vessel wall MR imaging in prestenotic intracranial atherosclerotic disease. <i>Journal of Clinical Neuroscience</i> , 2019 , 63, 278-280	2.2	2
29	Osmotherapy for malignant cerebral edema in a phase 2 prospective, double blind, randomized, placebo-controlled study of IV glibenclamide. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2020 , 29, 104916	2.8	2
28	Multivariable analysis on factors associated with aneurysm rupture in patients with multiple intracranial aneurysms. <i>Emergency Radiology</i> , 2020 , 27, 487-494	3	2
27	Aortopathy in bicuspid aortic valve disease: is it really congenital?. <i>Radiology</i> , 2010 , 256, 1015-6; author reply 1016	20.5	2
26	Intensive Blood Pressure Lowering and DWI Lesions in Intracerebral Hemorrhage: Exploratory Analysis of the ATACH-2 Randomized Trial. <i>Neurocritical Care</i> , 2021 , 1	3.3	2
25	Are You Puzzled When Credentialing Entities Ask You for Criteria for External Carotid Artery Stenosis? A Study Correlating Peak Systolic Velocities and Degree of External Carotid Artery Stenosis Based on CT Angiography. <i>Journal for Vascular Ultrasound</i> , 2018 , 42, 155-161	0.1	2
24	Accuracy of MRI T2*-weighted sequences (GRE-EPI) compared to CTA for detection of anterior circulation large vessel thrombus. <i>Emergency Radiology</i> , 2020 , 27, 269-275	3	1
23	Emergency department CT screening of patients with nontraumatic neurological symptoms referred to the posterior fossa: comparison of thin versus thick slice images. <i>Emergency Radiology</i> , 2014 , 21, 251-6	3	1
22	Role of cardiac and extracranial vascular CT in the evaluation/management of cerebral ischemia and stroke. <i>Emergency Radiology</i> , 2013 , 20, 417-28	3	1

21	Neurological Applications. <i>Medical Radiology</i> , 2011 , 127-142	0.2	1
20	Extended analysis of the spot sign score performance. <i>Nature Reviews Neurology</i> , 2010 , 6, 352-352	15	1
19	Imaging Features of Vulnerable Carotid Atherosclerotic Plaque and the Associated Clinical Implications. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2020 , 22, 1	2.1	1
18	A rapid genotyping panel for detection of primary central nervous system lymphoma. <i>Blood</i> , 2021 , 138, 382-386	2.2	1
17	Neurosonology and noninvasive imaging of the carotid arteries. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2016 , 135, 165-191	3	1
16	Preoperative antithrombotic treatment in acutely symptomatic carotid artery stenosis.. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022 , 31, 106396	2.8	1
15	Phantom-based standardization of CT angiography images for spot sign detection. <i>Neuroradiology</i> , 2017 , 59, 839-844	3.2	0
14	Pineal Dysgerminoma: A Misleading Clinical Course With Potential Life-Threatening Consequences. <i>Cureus</i> , 2020 , 12, e9365	1.2	0
13	Case 6-2021: A 65-Year-Old Man with Eye Pain and Decreased Vision. <i>New England Journal of Medicine</i> , 2021 , 384, 745-753	59.2	0
12	Imaging of nonatheromatous carotid artery disease. <i>Clinical and Translational Neuroscience</i> , 2021 , 5, 25141-183X2110145	1.8	0
11	Cardiovascular Risk Factors Affect Specific Segments of the Intracranial Vasculature in High-Resolution (HR) Vessel Wall Imaging (VWI). <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021 , 30, 106026	2.8	0
10	An Inconvenient Truth: The Added Value of Transvaginal Imaging of the Internal Iliac and Adnexal Veins for Pelvic Congestion Syndrome. <i>Journal for Vascular Ultrasound</i> , 2019 , 43, 113-115	0.1	0
9	Neurovascular Imaging (CTA and MRA) 2014 , 1-25		
8	Neurovascular Imaging: Computed Tomography and Magnetic Resonance Imaging 2015 , 1259-1278		
7	Imaging of Acute Ischemic Stroke: Stroke CT Angiography (CTA) 2011 , 57-82		
6	Conventional magnetic resonance imaging of acute stroke. <i>Seminars in Roentgenology</i> , 2002 , 37, 206-11	0.8	0
5	BIOM-54. A RAPID GENOTYPING PANEL FOR SENSITIVE AND SPECIFIC SEGREGATION OF CNS PATHOLOGIES. <i>Neuro-Oncology</i> , 2020 , 22, ii13-ii13	1	0
4	Commentary on Systematic CT perfusion acquisition in acute stroke increases vascular occlusion detection and thrombectomy rates <i>Journal of NeuroInterventional Surgery</i> , 2022 ,	7.8	0

- 3 . *American Journal of Neuroradiology*, **2016**, 37, E64 4.4
- 2 Clinico-radiologic factors in paraclinoid aneurysms associated with aneurysm rupture: A CTA study.
Clinical Imaging, **2019**, 53, 225-229 2.7
- 1 Noninvasive imaging evaluation of carotid artery occlusive disease 16-24