Nicoletta Anzalone

List of Publications by Year
in descending order

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82 papers	2,685 citations	172457 29 h-index	197818 49 g-index
84 all docs	84 docs citations	84 times ranked	3642 citing authors

#	Article	IF	Citations
1	Perfusion MRI: The Five Most Frequently Asked Technical Questions. American Journal of Roentgenology, 2013, 200, 24-34.	2.2	296
2	Perfusion MRI: The Five Most Frequently Asked Clinical Questions. American Journal of Roentgenology, 2013, 201, W495-W510.	2.2	181
3	Carotid Artery Stenosis: Intraindividual Correlations of 3D Time-of-Flight MR Angiography, Contrast-enhanced MR Angiography, Conventional DSA, and Rotational Angiography for Detection and Grading. Radiology, 2005, 236, 204-213.	7.3	132
4	Principles of T₂*â€weighted dynamic susceptibility contrast MRI technique in brain tumor imaging. Journal of Magnetic Resonance Imaging, 2015, 41, 296-313.	3.4	112
5	MR Imaging in Multiple Sclerosis: Review and Recommendations for Current Practice. American Journal of Neuroradiology, 2010, 31, 983-989.	2.4	91
6	MR Imaging of Neoplastic Central Nervous System Lesions: Review and Recommendations for Current Practice. American Journal of Neuroradiology, 2012, 33, 803-817.	2.4	87
7	Contrast Enhancement of Central Nervous System Lesions: Multicenter Intraindividual Crossover Comparative Study of Two MR Contrast Agents. Radiology, 2006, 240, 389-400.	7.3	83
8	Three-dimensional time-of-flight MR angiography in the evaluation of intracranial aneurysms treated with Guglielmi detachable coils. American Journal of Neuroradiology, 2000, 21, 746-52.	2.4	81
9	Dynamic contrast-enhanced and dynamic susceptibility contrast perfusion MR imaging for glioma grading: Preliminary comparison of vessel compartment and permeability parameters using hotspot and histogram analysis. European Journal of Radiology, 2016, 85, 1147-1156.	2.6	76
10	Brain Gliomas: Multicenter Standardized Assessment of Dynamic Contrast-enhanced and Dynamic Susceptibility Contrast MR Images. Radiology, 2018, 287, 933-943.	7.3	70
11	Consensus recommendations for MRI and PET imaging of primary central nervous system lymphoma: guideline statement from the International Primary CNS Lymphoma Collaborative Group (IPCG). Neuro-Oncology, 2021, 23, 1056-1071.	1.2	68
12	Follow-Up of Coiled Cerebral Aneurysms at 3T: Comparison of 3D Time-of-Flight MR Angiography and Contrast-Enhanced MR Angiography. American Journal of Neuroradiology, 2008, 29, 1530-1536.	2.4	64
13	Specific Patterns of White Matter Alterations Help Distinguishing Alzheimer's and Vascular Dementia. Frontiers in Neuroscience, 2018, 12, 274.	2.8	59
14	Carotid atherosclerosis, silent ischemic brain damage and brain atrophy: A systematic review and meta-analysis. International Journal of Cardiology, 2016, 223, 681-687.	1.7	58
15	Comparison of 3D TOF-MRA and 3D CE-MRA at 3T for imaging of intracranial aneurysms. European Journal of Radiology, 2013, 82, e853-e859.	2.6	53
16	Acute subarachnoid Haemorrhage: 3D time-of-flight MR angiography versus intra-arterial digital angiography. Neuroradiology, 1995, 37, 257-261.	2.2	49
17	Detection of cerebral metastases on magnetic resonance imaging: intraindividual comparison of gadobutrol with gadopentetate dimeglumine. Acta Radiologica, 2009, 50, 933-940.	1.1	47
18	Wake-up Stroke Within 3 Hours of Symptom Awareness: Imaging and Clinical Features Compared to Standard Recombinant Tissue Plasminogen Activator Treated Stroke. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, 703-708.	1.6	47

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19	Cerebral neoplastic enhancing lesions: Multicenter, randomized, crossover intraindividual comparison between gadobutrol (1.0M) and gadoterate meglumine (0.5M) at 0.1mmolGd/kg body weight in a clinical setting. European Journal of Radiology, 2013, 82, 139-145.	2.6	43
20	R-CHOP preceded by blood-brain barrier permeabilization with engineered tumor necrosis factor-Î± in primary CNS lymphoma. Blood, 2019, 134, 252-262.	1.4	43
21	Cerebrospinal Fluid Analysis in Immunoglobulin G4-related Hypertrophic Pachymeningitis. Journal of Rheumatology, 2013, 40, 1927-1929.	2.0	42
22	MYD88 L265P mutation and interleukinâ€10 detection in cerebrospinal fluid are highly specific discriminating markers in patients with primary central nervous system lymphoma: results from a prospective study. British Journal of Haematology, 2021, 193, 497-505.	2.5	41
23	Evaluation of intraaxial enhancing brain tumors on magnetic resonance imaging: intraindividual crossover comparison of gadobenate dimeglumine and gadopentetate dimeglumine for visualization and assessment, and implications for surgical intervention. Journal of Neurosurgery, 2007, 106, 557-566.	1.6	40
24	Intracranial vascular malformations. European Radiology, 1998, 8, 685-690.	4.5	39
25	Primary brain CD30+ ALK1+ anaplastic large cell lymphoma (â€˜ALKomaâ€™): the first case with a combination of â€˜not commonâ€™ variants. Annals of Oncology, 2002, 13, 1827-1832.	1.2	39
26	Neuroradiologic differential diagnosis of cerebral intraparenchymal hemorrhage. Neurological Sciences, 2004, 25, s3-s5.	1.9	38
27	Machine learning assisted DSC-MRI radiomics as a tool for glioma classification by grade and mutation status. BMC Medical Informatics and Decision Making, 2020, 20, 149.	3.0	38
28	Multifocal laminar cortical brain lesions: a consistent MRI finding in neuro-COVID-19 patients. Journal of Neurology, 2020, 267, 2806-2809.	3.6	35
29	A case-control study of transient global amnesia.. Journal of Neurology, Neurosurgery and Psychiatry, 1989, 52, 320-323.	1.9	33
30	Does Higher Gadolinium Concentration Play a Role in the Morphologic Assessment of Brain Tumors? Results of a Multicenter Intraindividual Crossover Comparison of Gadobutrol versus Gadobenate Dimeglumine (the MERIT Study). American Journal of Neuroradiology, 2012, 33, 1050-1058.	2.4	33
31	Follow-up of Coiled Cerebral Aneurysms: Comparison of Three-Dimensional Time-of-Flight Magnetic Resonance Angiography at 3 Tesla With Three-Dimensional Time-of-Flight Magnetic Resonance Angiography and Contrast-Enhanced Magnetic Resonance Angiography at 1.5 Tesla. Investigative Radiology, 2008, 43, 559-567.	6.2	30
32	P2X7 receptor is expressed in human vessels and might play a role in atherosclerosis. International Journal of Cardiology, 2013, 168, 2863-2866.	1.7	30
33	Dose Finding Study of Gadopiclenol, a New Macrocyclic Contrast Agent, in MRI of Central Nervous System. Investigative Radiology, 2020, 55, 129-137.	6.2	27
34	Optimizing Contrast-Enhanced Magnetic Resonance Imaging Characterization of Brain Metastases. Neurosurgery, 2013, 72, 691-701.	1.1	26
35	Early Prognosis After Severe Traumatic Brain Injury With Minor or Absent Computed Tomography Scan Lesions. Journal of Trauma, 2011, 70, 447-451.	2.3	25
36	Variable angiographic findings in patients with stroke and neurosyphilis.. Stroke, 1990, 21, 333-338.	2.0	24

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37	Safety and Efficacy of Gadobutrol for Contrast-enhanced Magnetic Resonance Imaging of the Central Nervous System: Results from a Multicenter, Double-blind, Randomized, Comparator Study. Magnetic Resonance Insights, 2015, 8, MRI.S19794.	2.5	24
38	Improving the antitumor activity of R-CHOP with NGR-hTNF in primary CNS lymphoma: final results of a phase 2 trial. Blood Advances, 2020, 4, 3648-3658.	5.2	24
39	Reproducibility of dynamic contrast-enhanced MRI and dynamic susceptibility contrast MRI in the study of brain gliomas: a comparison of data obtained using different commercial software. Radiologia Medica, 2017, 122, 294-302.	7.7	23
40	Comparison of T1 mapping and fixed T1 method for dynamic contrast-enhanced MRI perfusion in brain gliomas. European Radiology, 2019, 29, 3467-3479.	4.5	22
41	Relation between characteristics of carotid atherosclerotic plaques and brain white matter hyperintensities in asymptomatic patients. Scientific Reports, 2017, 7, 10559.	3.3	21
42	Non ischaemic causes of lacunar syndromes: prevalence and clinical findings.. Journal of Neurology, Neurosurgery and Psychiatry, 1989, 52, 1188-1190.	1.9	20
43	Unsuspected Involvement of Spinal Cord in Alzheimer Disease. Frontiers in Cellular Neuroscience, 2020, 14, 6.	3.7	19
44	Three dimensional time-of-flight magnetic resonance angiography in carotid artery surgery: A comparison with digital subtraction angiography. European Journal of Vascular Surgery, 1993, 7, 171-176.	0.9	18
45	Contribution of magnetic resonance imaging to the diagnosis and monitoring of multiple sclerosis. Radiologia Medica, 2013, 118, 251-264.	7.7	18
46	Substantia Nigra Volumetry with 3-T MRI in De Novo and Advanced Parkinson Disease. Radiology, 2020, 296, 401-410.	7.3	18
47	Are sensorimotor strokes lacunar strokes? A case-control study of lacunar and non-lacunar infarcts.. Journal of Neurology, Neurosurgery and Psychiatry, 1991, 54, 1063-1068.	1.9	17
48	Progression of brain white matter hyperintensities in asymptomatic patients with carotid atherosclerotic plaques and no indication for revascularization. Atherosclerosis, 2019, 287, 171-178.	0.8	14
49	Neuroimaging in patients with COVID-19: a neuroradiology expert group consensus. European Radiology, 2022, 32, 3716-3725.	4.5	14
50	18F-FAZA PET/CT Hypoxia Imaging of High-Grade Glioma Before and After Radiotherapy. Clinical Nuclear Medicine, 2017, 42, e525-e526.	1.3	13
51	MR angiography of the carotid arteries and intracranial circulation: advantage of a high relaxivity contrast agent. Neuroradiology, 2006, 48, 9-17.	2.2	12
52	Quantitative muscle mass biomarkers are independent prognosis factors in primary central nervous system lymphoma: The role of L3-skeletal muscle index and temporal muscle thickness. European Journal of Radiology, 2021, 143, 109945.	2.6	12
53	CT scan evidence of postero-latero thalamic infarction in pure sensory stroke.. Journal of Neurology, Neurosurgery and Psychiatry, 1984, 47, 570-571.	1.9	11
54	Contrast-enhanced MRA of intracranial vessels. European Radiology, Supplement, 2005, 15, e3-e10.	1.4	11

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55	Comparative Studies of Different Gadolinium Agents in Brain Tumors: Differences between Gadolinium Chelates and Their Possible Influence on Imaging Features. American Journal of Neuroradiology, 2010, 31, 981-982.	2.4	11
56	High relaxivity contrast agents in MR angiography of the carotid arteries. European Radiology, Supplement, 2006, 16, M27-M34.	1.4	8
57	Post-Traumatic Interpeduncular Cistern Hemorrhage as a Marker for Brainstem Lesions. Journal of Neurotrauma, 2010, 27, 509-514.	3.4	8
58	MR Evaluation of Post-Surgical Changes in Trasphenoidal Surgery for Pituitary Adenomas. The Neuroradiology Journal, 1991, 4, 57-61.	0.1	6
59	Cerebral Fat Embolism, Brain Swelling, and Severe Intracranial Hypertension. Journal of Trauma, 2008, 65, E46-E48.	2.3	6
60	18F-FAZA PET/CT in pretreatment assessment of hypoxic status in high-grade glioma: correlation with hypoxia immunohistochemical biomarkers. Nuclear Medicine Communications, 2021, 42, 763-771.	1.1	6
61	Analysis of diagnostic procedure costs for cerebrovascular disease admission to a highly specialized hospital. Italian Journal of Neurological Sciences, 1991, 12, 397-405.	0.1	5
62	Base Deficit: A Better Indicator for Diagnosis and Treatment of Shock in Trauma Patients. Journal of Trauma, 2011, 70, 1580-1581.	2.3	5
63	Are All Gadolinium-based Contrast Agents Similar? The Importance of High Stability, High Relaxivity and High Concentration. European Neurological Review, 2009, 4, 98.	0.5	5
64	Decoding the Heterogeneity of Malignant Gliomas by PET and MRI for Spatial Habitat Analysis of Hypoxia, Perfusion, and Diffusion Imaging: A Preliminary Study. Frontiers in Neuroscience, 0, 16, .	2.8	5
65	Lacunar infarction in a puerpera with mitral valve prolapse. Italian Journal of Neurological Sciences, 1988, 9, 515-517.	0.1	4
66	Lacunar Infarctions: Preliminary Data on Clinical Features and Natural History. European Neurology, 1989, 29, 8-9.	1.4	4
67	Vertebral Artery Dissection: Looking for the Ideal Study Protocol. American Journal of Neuroradiology, 2011, 32, E91-E91.	2.4	4
68	Extent and characteristics of carotid plaques and brain parenchymal loss in asymptomatic patients with no indication for revascularization. IJC Heart and Vasculature, 2020, 30, 100619.	1.1	4
69	Pathological brain CT scans in severe COVID-19 ICU patients. Intensive Care Medicine, 2020, 46, 2102-2104.	8.2	4
70	Radiation and Chemotherapy Induced Injury. , 2019, , 1431-1458.		2
71	Intracranial MR Angiography. , 2005, , 103-138.		1
72	MR Angiography Follow-Up of Aneurysms Treated with Coils: Is There a Need for the Use of Gadolinium?. American Journal of Neuroradiology, 2009, 30, 1531-1531.	2.4	1

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73	Gadobutrol in Indiaâ€"A Comprehensive Review of Safety and Efficacy. Magnetic Resonance Insights, 2017, 10, 1178623X1773004.	2.5	1
74	Hypoxia and Amino Acid Imaging of High-Grade Glioma. Clinical Nuclear Medicine, 2020, 45, e290-e293.	1.3	1
75	The role of CE-MRA of the supraortic vessels in the detection of associated intracranial pathology. Neurological Sciences, 2021, 42, 5131-5137.	1.9	1
76	MATTERS ARISING: Drs Landi and Anzalone reply:. Journal of Neurology, Neurosurgery and Psychiatry, 1990, 53, 819-819.	1.9	0
77	Applied MR Neuro-Angiography: A CD-ROM Tutorial. The Neuroradiology Journal, 1999, 12, 221-222.	0.1	0
78	In Vivo Magnetic Resonance Imaging of Intravenously Injected Neural Stem Cells in a Mouse Model of Multiple Sclerosis. Neuroradiology Journal, 2006, 19, 635-636.	1.2	0
79	Re: Cerebral neoplastic enhancing lesions: Multicenter, randomized, crossover intraindividual comparison between gadobutrol (1.0M) and gadoterate meglumine. European Journal of Radiology, 2012, 81, 2925-2926.	2.6	0
80	Longitudinal follow up of coiled intracranial aneurysms: the impact of contrast enhanced MRA in comparison to 3DTOF MRA at 3T. Neurovascular Imaging, 2015, 1, .	2.4	0
81	Radiation and Chemotherapy Induced Injury. , 2019, , 1-29.		0
82	Diagnostic efficacy and safety of gadoteridol compared to gadobutrol and gadoteric acid in a large sample of CNS MRI studies at 1.5 T. Journal of Neuroradiology, 2020, 49, 73-73.	1.1	0