

The 20 most important publications
IF values year 2016, WOS citations June 8, 2018

Aronen, HJ

1. **Aronen HJ**, Gazit IE, Louis DN, Buchbinder BR, Pardo FS, Weisskoff RM, Harsh GR, CosGrove GR, Hochberg FH, Rosen BR. Cerebral blood volume maps of gliomas: Comparison with tumor grade and histologic findings. *Radiology* 1994;191:41-51
IF: 7.296 Ranking 2/127 Radiology, Nuclear Medicine **Cited: 692**
2. **Aronen HJ**, Glass J, Pardo FS, Belliveau JW, Gazit IE, Buchbinder BR, Gruber ML, Linggood RM, Fischman AJ, Rosen BR, Hochberg FH. Echo-planar MRI cerebral blood volume mapping of gliomas: Clinical utility. *Acta Radiol* 1995;36:520-528. PMID: 7640098.
IF: 7.296 Ranking 60/127 Radiology, Nuclear Medicine **Cited: 96**
3. Lauerma K, Virtanen K, Sipilä L, Hekali P, **Aronen HJ**. Multislice MRI in assessment of myocardial perfusion in patients with single-vessel proximal left anterior descending coronary artery disease before and after revascularization. *Circulation* 1997;96:2859-2867. PMID: 9386150
IF: 19.309 Ranking 3/373 Cardiac & Cardiovascular syst. **Cited: 119**
4. Carlson S, Martinkauppi S, Rämä P, Salli E, Korvenoja A, **Aronen HJ**. Distribution of cortical activation during visuospatial N-back task as revealed by functional magnetic resonance imaging. *Cerebral Cortex* 1998;8:743-752
IF: 6.559 Ranking 21/259 Neuroscience **Cited: 189**
5. **Aronen HJ**, Abo Ramadan U, Peltonen TK, Markkola AT, Tanttu JI, Jääskeläinen J, Häkkinen A-M, Sepponen R. 3D spin-lock imaging of human gliomas. *Magn Reson Imaging* 1999;17:1001-1010
IF: 2.225 Ranking 50/127 Radiology, Nuclear Medicine **Cited: 41**
6. Karonen JO, Vanninen RL, Liu Y, Østergaard L, Kuikka JT, Nuutinen J, Vanninen EJ, Partanen K, Vainio PA, Korhonen K, Perkiö JP, Roivainen R, Sivenius J, **Aronen HJ**. Combined diffusion and perfusion MRI with correlation to single-photon emission CT in acute ischemic stroke - Ischemic penumbra predicts infarct growth. *Stroke* 1999;30:1583-1590. PMID: 10512906.
IF: 6.032 Ranking 17/194 Clinical Neurology **Cited: 142**
7. Pihlajamäki M, Tanila H, Hänninen T, Könönen M, Laakso M, Partanen K, Soinen H, **Aronen HJ**. Verbal fluency activates the left medial temporal lobe: an fMRI study. *Ann Neurol* 2000;47:470-476
IF: 9.890 Ranking 14/259 Neuroscience **Cited: 158**
8. Lauerma K, Niemi P, Hänninen H, Janatuinen T, Voipio-Pulkki L-M, Knuuti J, Toivonen L, Mäkelä T, **Aronen HJ**. Multimodality MRI assessment of myocardial viability: Combination of first pass and late contrast enhancement to wall motion dynamics and comparison to PET FDG - Initial experience. *Radiology* 2000;217:729-736. .
IF: 7.296 Ranking 2/127 Radiology, Nuclear Medicine **Cited: 63**
9. Karonen JO, Liu Y, Vanninen RL, Østergaard L, Partanen K, Vainio PA, Vanninen EJ, Nuutinen J, Roivainen R, Soimakallio S, Kuikka JT, **Aronen HJ**. Combined perfusion- and diffusion-weighted MR imaging in acute ischemic stroke during the 1st week: a longitudinal study. *Radiology* 2000;217:886-894. PMID: 11110958

- IF: 7.296 Ranking 2/127 Radiology **Cited: 72**
10. **Aronen HJ**, Pardo FS, Kennedy DN, Belliveau JW, Packard SD, Shu D, Hochberg FH, Fischman AJ, Rosen BR. High microvascular blood volume is associated with high glucose uptake and tumor angiogenesis in human gliomas. *Clinical Cancer Research* 2000;6:2189-2200.
IF: 9.619 Ranking 13/331 Oncology **Cited: 120**
11. Laakso M, Frisoni GB, Könönen M, Mikkonen M, Beltramello A, Geroldi C, Bianchetti A, Trabucchi M, Soininen H, **Aronen HJ**. Hippocampus and entorhinal cortex in frontotemporal dementia and Alzheimer's disease: a morphometric MRI study. *Biol Psychiat* 2000;47:1056-106. PMID: 10862805.
IF: 11.412 Ranking 10/280 Psychiatry **Cited: 119**
12. Sipola P, Lauerma K, Husso-Saastamoinen M, Kuikka J, Vanninen EJ, Laitinen T, Manninen H, Niemi P, Peuhkurinen K, Jääskeläinen P, Laakso M, Kuusisto J, **Aronen HJ**. First pass MR imaging in the assessment of perfusion impairment in patients with hypertrophic cardiomyopathy and the Asp175Asn mutation of the α -Tropomyosin gene. *Radiology* 2003;226:129-137. PMID: 12511681.
IF: 7.296 Ranking 2/127 Radiology, Nuclear Medicine **Cited: 44**
13. Liu Y, Karonen JO, Vanninen RL, Nuutinen J, Koskela A, Soimakallio S, **Aronen HJ**. Acute ischemic stroke: Predictive value of 2D phase-contrast MR angiography - Serial study with combined diffusion and perfusion MR imaging. *Radiology* 2004;231:517-527. PMID: 15044743.
IF: 7.296 Ranking 2/127 Radiology, Nuclear Medicine **Cited: 29**
14. Pihlajamäki M, Tanila H, Könönen M, Hänninen T, Hämäläinen A, Soininen H, **Aronen HJ**. Visual presentation of novel objects and new spatial arrangements of objects differentially activates the medial temporal lobe subareas in humans. *Eur J Neuroscience* 2004;19:1939-1949. PMID:15078568.
IF: 2.941 Ranking 127/259 Neuroscience **Cited: 119**
15. Perkiö J, Soinne L, Østergaard L, Helenius J, Kangasmäki A, Martinkauppi S, Salonen O, Savolainen S, Kaste M, Tatlisumak T, **Aronen HJ**. Abnormal intravoxel cerebral blood flow heterogeneity in human ischemic stroke determined by dynamic susceptibility contrast magnetic resonance imaging. *Stroke* 2005;36:44-49. PMID: 15576655.
IF: 6.032 Ranking 17/194 Clinical Neurology **Cited: 15**
16. Tillikainen L, Salli E, Korvenoja A, **Aronen HJ**. A cluster mass permutation test with contextual enhancement for fMRI activation detection. *NeuroImage* 2006;32:654-664. PMID: 16769226.
IF: 5.835 Ranking 1/14 Neuroimaging **Cited: 6**
17. Korvenoja A, Kirveskari E, **Aronen HJ**, Asikainen S, Brander A, Huttunen J, Ilmoniemi R, Jääskeläinen J, Seppä M. Sensorimotor cortex localization: comparison of magnetoencephalography, functional MR imaging and intraoperative cortical mapping. *Radiology* 2006;241:213-222
IF: 7.296 Ranking 2/127 Radiology **Cited: 69**

18. Jambor I, Kähkönen E, Taimen P, Merisaari H, Saunavaara J, Alanen K, Obsitnik B, Minn H, Lehotska V, **Aronen HJ**. Pre-biopsy multiparametric 3T prostate MRI in patients with elevated PSA, normal digital rectal examination and no previous biopsy. *J Magn Reson Imaging* 2015;41:1116-1124
IF: 3.083 Ranking 29/83 Radiology, Nuclear Medicine **Cited: 16**
19. Jambor I, Merisaari H, Taimen P, Saunavaara J, Alanen K, Boström, Minn H, Pesola M, **Aronen HJ**. Evaluation of different mathematical models for diffusion weighted MR imaging of normal prostate and prostate cancer using high b-values: repeatability study. *Magn Reson Med* 2015;73:1988-1998
IF: 3.924 Ranking 19/83 Radiology, Nuclear Medicine **Cited: 31**
20. Jambor I, Boström PJ, Taimen P, Syvänen K, Kähkönen E, Kallajoki M, T, Perez IM, Kauko T, Matomäki O, Ettala O, Merisaari H, Kiviniemi A, Dean PB, **Aronen HJ**. Novel biparametric MRI and targeted biopsy improves risk stratification in men with a clinical suspicion of prostate cancer (IMROD Trial). *J Magn Reson Imaging* 2017;46:1089-1095
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