

Pejman Ghanouni

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

2,032
citations

21
h-index

44
g-index

72
ext. papers

2,627
ext. citations

5.9
avg, IF

4.71
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 65 | A Randomized Trial of Focused Ultrasound Thalamotomy for Essential Tremor. <i>New England Journal of Medicine</i> , 2016 , 375, 730-9 | 59.2 | 522 |
| 64 | Magnetic resonance-guided focused ultrasound for patients with painful bone metastases: phase III trial results. <i>Journal of the National Cancer Institute</i> , 2014 , 106, | 9.7 | 148 |
| 63 | Clinically Approved Nanoparticle Imaging Agents. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 1833-1837 | 8.9 | 129 |
| 62 | Transcranial MRI-Guided Focused Ultrasound: A Review of the Technologic and Neurologic Applications. <i>American Journal of Roentgenology</i> , 2015 , 205, 150-9 | 5.4 | 112 |
| 61 | Prostate Magnetic Resonance Imaging Interpretation Varies Substantially Across Radiologists. <i>European Urology Focus</i> , 2019 , 5, 592-599 | 5.1 | 107 |
| 60 | A prospective trial of magnetic resonance-guided focused ultrasound thalamotomy for essential tremor: Results at the 2-year follow-up. <i>Annals of Neurology</i> , 2018 , 83, 107-114 | 9.4 | 83 |
| 59 | Bowel endometriosis: diagnosis and management. <i>American Journal of Obstetrics and Gynecology</i> , 2018 , 218, 549-562 | 6.4 | 78 |
| 58 | Gallium 68 PSMA-11 PET/MR Imaging in Patients with Intermediate- or High-Risk Prostate Cancer. <i>Radiology</i> , 2018 , 288, 495-505 | 20.5 | 68 |
| 57 | Magnetic resonance-guided focused ultrasound treatment of extra-abdominal desmoid tumors: a retrospective multicenter study. <i>European Radiology</i> , 2017 , 27, 732-740 | 8 | 57 |
| 56 | Neurological adverse event profile of magnetic resonance imaging-guided focused ultrasound thalamotomy for essential tremor. <i>Movement Disorders</i> , 2018 , 33, 843-847 | 7 | 52 |
| 55 | Cost-effectiveness of focused ultrasound, radiosurgery, and DBS for essential tremor. <i>Movement Disorders</i> , 2017 , 32, 1165-1173 | 7 | 51 |
| 54 | Noninvasive Therapy for Osteoid Osteoma: A Prospective Developmental Study with MR Imaging-guided High-Intensity Focused Ultrasound. <i>Radiology</i> , 2017 , 285, 186-196 | 20.5 | 39 |
| 53 | Diffusion MRI tractography for improved transcranial MRI-guided focused ultrasound thalamotomy targeting for essential tremor. <i>NeuroImage: Clinical</i> , 2018 , 19, 572-580 | 5.3 | 39 |
| 52 | A meta-analysis of palliative treatment of pancreatic cancer with high intensity focused ultrasound. <i>Journal of Therapeutic Ultrasound</i> , 2017 , 5, 9 | | 34 |
| 51 | Transcranial MRI-guided high-intensity focused ultrasound for treatment of essential tremor: A pilot study on the correlation between lesion size, lesion location, thermal dose, and clinical outcome. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 58-65 | 5.6 | 33 |
| 50 | Three-year follow-up of prospective trial of focused ultrasound thalamotomy for essential tremor. <i>Neurology</i> , 2019 , 93, e2284-e2293 | 6.5 | 33 |
| 49 | Impact of skull density ratio on efficacy and safety of magnetic resonance-guided focused ultrasound treatment of essential tremor. <i>Journal of Neurosurgery</i> , 2019 , 132, 1392-1397 | 3.2 | 29 |

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| 48 | Optimization of white-matter-nulled magnetization prepared rapid gradient echo (MP-RAGE) imaging. <i>Magnetic Resonance in Medicine</i> , 2015 , 73, 1786-94 | 4.4 | 28 |
| 47 | Magnetic-resonance-guided focused ultrasound treatment of non-spinal osteoid osteoma in children: multicentre experience. <i>Pediatric Radiology</i> , 2019 , 49, 1209-1216 | 2.8 | 27 |
| 46 | High-Intensity Focused Ultrasound for Pain Management in Patients with Cancer. <i>Radiographics</i> , 2018 , 38, 603-623 | 5.4 | 25 |
| 45 | Is MR-guided High-intensity Focused Ultrasound a Feasible Treatment Modality for Desmoid Tumors?. <i>Clinical Orthopaedics and Related Research</i> , 2016 , 474, 697-704 | 2.2 | 21 |
| 44 | In vivo USPIO magnetic resonance imaging shows that minocycline mitigates macrophage recruitment to a peripheral nerve injury. <i>Molecular Pain</i> , 2012 , 8, 49 | 3.4 | 20 |
| 43 | ProsRegNet: A deep learning framework for registration of MRI and histopathology images of the prostate. <i>Medical Image Analysis</i> , 2021 , 68, 101919 | 15.4 | 19 |
| 42 | Specialized volumetric thermometry for improved guidance of MRgFUS in brain. <i>Magnetic Resonance in Medicine</i> , 2017 , 78, 508-517 | 4.4 | 18 |
| 41 | A rapid beam simulation framework for transcranial focused ultrasound. <i>Scientific Reports</i> , 2019 , 9, 79654.9 | 4.9 | 17 |
| 40 | Establishing a clinical service for the treatment of osteoid osteoma using magnetic resonance-guided focused ultrasound: overview and guidelines. <i>Journal of Therapeutic Ultrasound</i> , 2016 , 4, 16 | | 17 |
| 39 | Correcting heat-induced chemical shift distortions in proton resonance frequency-shift thermometry. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 172-82 | 4.4 | 15 |
| 38 | Predicting variation in subject thermal response during transcranial magnetic resonance guided focused ultrasound surgery: Comparison in seventeen subject datasets. <i>Medical Physics</i> , 2016 , 43, 5170 | 4.4 | 15 |
| 37 | T2-based temperature monitoring in abdominal fat during MR-guided focused ultrasound treatment of patients with uterine fibroids. <i>Journal of Therapeutic Ultrasound</i> , 2015 , 3, 15 | | 14 |
| 36 | MR thermometry near metallic devices using multispectral imaging. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 1162-1169 | 4.4 | 12 |
| 35 | MR-Guided Focused Ultrasound Versus Radiofrequency Capsulotomy for Treatment-Refractory Obsessive-Compulsive Disorder: A Cost-Effectiveness Threshold Analysis. <i>Frontiers in Neuroscience</i> , 2019 , 13, 66 | 5.1 | 11 |
| 34 | Registration of presurgical MRI and histopathology images from radical prostatectomy via RAPSODI. <i>Medical Physics</i> , 2020 , 47, 4177-4188 | 4.4 | 11 |
| 33 | 3D Registration of pre-surgical prostate MRI and histopathology images via super-resolution volume reconstruction. <i>Medical Image Analysis</i> , 2021 , 69, 101957 | 15.4 | 11 |
| 32 | Improving thermal dose accuracy in magnetic resonance-guided focused ultrasound surgery: Long-term thermometry using a prior baseline as a reference. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 43, 181-9 | 5.6 | 11 |
| 31 | The impact of computed high b-value images on the diagnostic accuracy of DWI for prostate cancer: A receiver operating characteristics analysis. <i>Scientific Reports</i> , 2018 , 8, 3409 | 4.9 | 9 |

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| 30 | Automated detection of aggressive and indolent prostate cancer on magnetic resonance imaging. <i>Medical Physics</i> , 2021 , 48, 2960-2972 | 4.4 | 9 |
| 29 | Treatment of Low-Flow Vascular Malformations of the Extremities Using MR-Guided High Intensity Focused Ultrasound: Preliminary Experience. <i>Journal of Vascular and Interventional Radiology</i> , 2017 , 28, 1739-1744 | 2.4 | 8 |
| 28 | Tumor characterization by ultrasound-release of multiple protein and microRNA biomarkers, preclinical and clinical evidence. <i>PLoS ONE</i> , 2018 , 13, e0194268 | 3.7 | 8 |
| 27 | Characterization of ligand-induced conformational states in the beta 2 adrenergic receptor. <i>Journal of Receptor and Signal Transduction Research</i> , 1999 , 19, 293-300 | 2.6 | 6 |
| 26 | Improved Vim targeting for focused ultrasound ablation treatment of essential tremor: A probabilistic and patient-specific approach. <i>Human Brain Mapping</i> , 2020 , 41, 4769-4788 | 5.9 | 6 |
| 25 | Prolonged heating in nontargeted tissue during MR-guided focused ultrasound of bone tumors. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 50, 1526-1533 | 5.6 | 5 |
| 24 | Concurrent Imatinib and Radiation Therapy for Unresectable and Symptomatic Desmoid Tumors. <i>Sarcoma</i> , 2017 , 2017, 2316839 | 3.1 | 5 |
| 23 | Thermal diffusivity and perfusion constants from in vivo MR-guided focussed ultrasound treatments: a feasibility study. <i>International Journal of Hyperthermia</i> , 2018 , 34, 352-362 | 3.7 | 5 |
| 22 | Rapid MR venography in children using a blood pool contrast agent and multi-station fat-water-separated volumetric imaging. <i>Pediatric Radiology</i> , 2012 , 42, 242-8 | 2.8 | 5 |
| 21 | Ductal pattern enhancement on magnetic resonance imaging of the breast due to ductal lavage. <i>Breast Journal</i> , 2007 , 13, 281-6 | 1.2 | 5 |
| 20 | How Often is the Dynamic Contrast Enhanced Score Needed in PI-RADS Version 2?. <i>Current Problems in Diagnostic Radiology</i> , 2020 , 49, 173-176 | 1.6 | 5 |
| 19 | Performance of multiparametric MRI appears better when measured in patients who undergo radical prostatectomy. <i>Research and Reports in Urology</i> , 2018 , 10, 233-235 | 1.3 | 5 |
| 18 | Teaching Urologists "How to Read Multi-Parametric Prostate MRIs Using PIRADSV2": Results of an iBook Pilot Study. <i>Urology</i> , 2019 , 131, 40-45 | 1.6 | 4 |
| 17 | Case Report on Deep Brain Stimulation Rescue After Suboptimal MR-Guided Focused Ultrasound Thalamotomy for Essential Tremor: A Tractography-Based Investigation. <i>Frontiers in Human Neuroscience</i> , 2020 , 14, 191 | 3.3 | 4 |
| 16 | MR imaging-guided cryoablation for the treatment of benign prostatic hyperplasia. <i>Journal of Vascular and Interventional Radiology</i> , 2011 , 22, 1427-30 | 2.4 | 4 |
| 15 | Magnetic resonance guided high-intensity focused ultrasound ablation of musculoskeletal tumors. <i>Current Orthopaedic Practice</i> , 2011 , 22, 303-308 | 0.4 | 4 |
| 14 | Transcranial focused ultrasound phase correction using the hybrid angular spectrum method. <i>Scientific Reports</i> , 2021 , 11, 6532 | 4.9 | 4 |
| 13 | Evaluation of the routine use of pelvic MRI in women presenting with symptomatic uterine fibroids: When is pelvic MRI useful?. <i>Journal of Magnetic Resonance Imaging</i> , 2019 , 49, e271-e281 | 5.6 | 4 |

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| 12 | Bilateral Deep Brain Stimulation is the Procedure to Beat for Advanced Parkinson Disease: A Meta-Analytic, Cost-Effective Threshold Analysis for Focused Ultrasound. <i>Neurosurgery</i> , 2021 , 88, 487-496 | 3.2 | 4 |
| 11 | Selective identification and localization of indolent and aggressive prostate cancers via CorrSigNIA: an MRI-pathology correlation and deep learning framework. <i>Medical Image Analysis</i> , 2021 , 75, 102288 | 15.4 | 3 |
| 10 | MRI-Guided Focused Ultrasound of Osseous Metastases: Treatment Parameters Associated With Successful Pain Reduction. <i>Investigative Radiology</i> , 2021 , 56, 141-146 | 10.1 | 3 |
| 9 | Applying the PRECISION approach in biopsy naïve and previously negative prostate biopsy patients. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2019 , 37, 530.e19-530.e24 | 2.8 | 2 |
| 8 | MRI monitoring of focused ultrasound sonications near metallic hardware. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 259-271 | 4.4 | 2 |
| 7 | AAPM Task Group 241: A medical physicist's guide to MRI-guided focused ultrasound body systems. <i>Medical Physics</i> , 2021 , 48, e772-e806 | 4.4 | 2 |
| 6 | The stanford prostate cancer calculator: Development and external validation of online nomograms incorporating PIRADS scores to predict clinically significant prostate cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2021 , 39, 831.e19-831.e27 | 2.8 | 2 |
| 5 | Evaluation of an MRI receive head coil for use in transcranial MR guided focused ultrasound for functional neurosurgery. <i>International Journal of Hyperthermia</i> , 2021 , 38, 22-29 | 3.7 | 2 |
| 4 | Design and evaluation of an open-source, conformable skin-cooling system for body magnetic resonance guided focused ultrasound treatments. <i>International Journal of Hyperthermia</i> , 2021 , 38, 679-690 | 3.7 | 1 |
| 3 | Increasing the transmission efficiency of transcranial ultrasound using a dual-mode conversion technique based on Lamb waves.. <i>Journal of the Acoustical Society of America</i> , 2022 , 151, 2159 | 2.2 | 0 |
| 2 | Current management and recent progress in desmoid tumors.. <i>Cancer Treatment and Research Communications</i> , 2022 , 31, 100562 | 2 | 0 |
| 1 | A Review of Imaging Methods to Assess Ultrasound-Mediated Ablation. <i>BME Frontiers</i> , 2022 , 2022, 1-17 | 4.4 | 0 |