

# Pejman Ghanouni

## List of Publications by Year in Descending Order

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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	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> , <b>2022</b> , 151, 2159	2.2	0
64	Current management and recent progress in desmoid tumors.. <i>Cancer Treatment and Research Communications</i> , <b>2022</b> , 31, 100562	2	0
63	A Review of Imaging Methods to Assess Ultrasound-Mediated Ablation. <i>BME Frontiers</i> , <b>2022</b> , 2022, 1-17	4.4	0
62	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> , <b>2021</b> , 75, 102288	15.4	3
61	MRI-Guided Focused Ultrasound of Osseous Metastases: Treatment Parameters Associated With Successful Pain Reduction. <i>Investigative Radiology</i> , <b>2021</b> , 56, 141-146	10.1	3
60	Transcranial focused ultrasound phase correction using the hybrid angular spectrum method. <i>Scientific Reports</i> , <b>2021</b> , 11, 6532	4.9	4
59	3D Registration of pre-surgical prostate MRI and histopathology images via super-resolution volume reconstruction. <i>Medical Image Analysis</i> , <b>2021</b> , 69, 101957	15.4	11
58	Automated detection of aggressive and indolent prostate cancer on magnetic resonance imaging. <i>Medical Physics</i> , <b>2021</b> , 48, 2960-2972	4.4	9
57	AAPM Task Group 241: A medical physicist's guide to MRI-guided focused ultrasound body systems. <i>Medical Physics</i> , <b>2021</b> , 48, e772-e806	4.4	2
56	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> , <b>2021</b> , 39, 831.e19-831.e27	2.8	2
55	ProsRegNet: A deep learning framework for registration of MRI and histopathology images of the prostate. <i>Medical Image Analysis</i> , <b>2021</b> , 68, 101919	15.4	19
54	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> , <b>2021</b> , 88, 487-496	3.2	4
53	Evaluation of an MRI receive head coil for use in transcranial MR guided focused ultrasound for functional neurosurgery. <i>International Journal of Hyperthermia</i> , <b>2021</b> , 38, 22-29	3.7	2
52	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> , <b>2021</b> , 38, 679-690	3.7	1
51	Registration of presurgical MRI and histopathology images from radical prostatectomy via RAPSODI. <i>Medical Physics</i> , <b>2020</b> , 47, 4177-4188	4.4	11
50	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> , <b>2020</b> , 14, 191	3.3	4
49	Improved Vim targeting for focused ultrasound ablation treatment of essential tremor: A probabilistic and patient-specific approach. <i>Human Brain Mapping</i> , <b>2020</b> , 41, 4769-4788	5.9	6

48	How Often is the Dynamic Contrast Enhanced Score Needed in PI-RADS Version 2?. <i>Current Problems in Diagnostic Radiology</i> , <b>2020</b> , 49, 173-176	1.6	5
47	Magnetic-resonance-guided focused ultrasound treatment of non-spinal osteoid osteoma in children: multicentre experience. <i>Pediatric Radiology</i> , <b>2019</b> , 49, 1209-1216	2.8	27
46	Applying the PRECISION approach in biopsy naïve and previously negative prostate biopsy patients. <i>Urologic Oncology: Seminars and Original Investigations</i> , <b>2019</b> , 37, 530.e19-530.e24	2.8	2
45	Teaching Urologists "How to Read Multi-Parametric Prostate MRIs Using PIRADSV2": Results of an iBook Pilot Study. <i>Urology</i> , <b>2019</b> , 131, 40-45	1.6	4
44	A rapid beam simulation framework for transcranial focused ultrasound. <i>Scientific Reports</i> , <b>2019</b> , 9, 79654.9	4.9	17
43	Prolonged heating in nontargeted tissue during MR-guided focused ultrasound of bone tumors. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 50, 1526-1533	5.6	5
42	MR-Guided Focused Ultrasound Versus Radiofrequency Capsulotomy for Treatment-Refractory Obsessive-Compulsive Disorder: A Cost-Effectiveness Threshold Analysis. <i>Frontiers in Neuroscience</i> , <b>2019</b> , 13, 66	5.1	11
41	Impact of skull density ratio on efficacy and safety of magnetic resonance-guided focused ultrasound treatment of essential tremor. <i>Journal of Neurosurgery</i> , <b>2019</b> , 132, 1392-1397	3.2	29
40	Three-year follow-up of prospective trial of focused ultrasound thalamotomy for essential tremor. <i>Neurology</i> , <b>2019</b> , 93, e2284-e2293	6.5	33
39	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> , <b>2019</b> , 49, e271-e281	5.6	4
38	Prostate Magnetic Resonance Imaging Interpretation Varies Substantially Across Radiologists. <i>European Urology Focus</i> , <b>2019</b> , 5, 592-599	5.1	107
37	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> , <b>2018</b> , 8, 3409	4.9	9
36	High-Intensity Focused Ultrasound for Pain Management in Patients with Cancer. <i>Radiographics</i> , <b>2018</b> , 38, 603-623	5.4	25
35	MRI monitoring of focused ultrasound sonications near metallic hardware. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 259-271	4.4	2
34	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> , <b>2018</b> , 83, 107-114	9.4	83
33	Neurological adverse event profile of magnetic resonance imaging-guided focused ultrasound thalamotomy for essential tremor. <i>Movement Disorders</i> , <b>2018</b> , 33, 843-847	7	52
32	Thermal diffusivity and perfusion constants from in vivo MR-guided focussed ultrasound treatments: a feasibility study. <i>International Journal of Hyperthermia</i> , <b>2018</b> , 34, 352-362	3.7	5
31	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> , <b>2018</b> , 48, 58-65	5.6	33

30	Bowel endometriosis: diagnosis and management. <i>American Journal of Obstetrics and Gynecology</i> , <b>2018</b> , 218, 549-562	6.4	78
29	Tumor characterization by ultrasound-release of multiple protein and microRNA biomarkers, preclinical and clinical evidence. <i>PLoS ONE</i> , <b>2018</b> , 13, e0194268	3.7	8
28	Performance of multiparametric MRI appears better when measured in patients who undergo radical prostatectomy. <i>Research and Reports in Urology</i> , <b>2018</b> , 10, 233-235	1.3	5
27	Gallium 68 PSMA-11 PET/MR Imaging in Patients with Intermediate- or High-Risk Prostate Cancer. <i>Radiology</i> , <b>2018</b> , 288, 495-505	20.5	68
26	Diffusion MRI tractography for improved transcranial MRI-guided focused ultrasound thalamotomy targeting for essential tremor. <i>NeuroImage: Clinical</i> , <b>2018</b> , 19, 572-580	5.3	39
25	MR thermometry near metallic devices using multispectral imaging. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 1162-1169	4.4	12
24	Magnetic resonance-guided focused ultrasound treatment of extra-abdominal desmoid tumors: a retrospective multicenter study. <i>European Radiology</i> , <b>2017</b> , 27, 732-740	8	57
23	A meta-analysis of palliative treatment of pancreatic cancer with high intensity focused ultrasound. <i>Journal of Therapeutic Ultrasound</i> , <b>2017</b> , 5, 9		34
22	Noninvasive Therapy for Osteoid Osteoma: A Prospective Developmental Study with MR Imaging-guided High-Intensity Focused Ultrasound. <i>Radiology</i> , <b>2017</b> , 285, 186-196	20.5	39
21	Cost-effectiveness of focused ultrasound, radiosurgery, and DBS for essential tremor. <i>Movement Disorders</i> , <b>2017</b> , 32, 1165-1173	7	51
20	Concurrent Imatinib and Radiation Therapy for Unresectable and Symptomatic Desmoid Tumors. <i>Sarcoma</i> , <b>2017</b> , 2017, 2316839	3.1	5
19	Specialized volumetric thermometry for improved guidance of MRgFUS in brain. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 78, 508-517	4.4	18
18	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> , <b>2017</b> , 28, 1739-1744	2.4	8
17	A Randomized Trial of Focused Ultrasound Thalamotomy for Essential Tremor. <i>New England Journal of Medicine</i> , <b>2016</b> , 375, 730-9	59.2	522
16	Clinically Approved Nanoparticle Imaging Agents. <i>Journal of Nuclear Medicine</i> , <b>2016</b> , 57, 1833-1837	8.9	129
15	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> , <b>2016</b> , 4, 16		17
14	Correcting heat-induced chemical shift distortions in proton resonance frequency-shift thermometry. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 76, 172-82	4.4	15
13	Is MR-guided High-intensity Focused Ultrasound a Feasible Treatment Modality for Desmoid Tumors?. <i>Clinical Orthopaedics and Related Research</i> , <b>2016</b> , 474, 697-704	2.2	21

12	Predicting variation in subject thermal response during transcranial magnetic resonance guided focused ultrasound surgery: Comparison in seventeen subject datasets. <i>Medical Physics</i> , <b>2016</b> , 43, 5170	4.4	15
11	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> , <b>2016</b> , 43, 181-9	5.6	11
10	Transcranial MRI-Guided Focused Ultrasound: A Review of the Technologic and Neurologic Applications. <i>American Journal of Roentgenology</i> , <b>2015</b> , 205, 150-9	5.4	112
9	T2-based temperature monitoring in abdominal fat during MR-guided focused ultrasound treatment of patients with uterine fibroids. <i>Journal of Therapeutic Ultrasound</i> , <b>2015</b> , 3, 15		14
8	Optimization of white-matter-nulled magnetization prepared rapid gradient echo (MP-RAGE) imaging. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 1786-94	4.4	28
7	Magnetic resonance-guided focused ultrasound for patients with painful bone metastases: phase III trial results. <i>Journal of the National Cancer Institute</i> , <b>2014</b> , 106,	9.7	148
6	Rapid MR venography in children using a blood pool contrast agent and multi-station fat-water-separated volumetric imaging. <i>Pediatric Radiology</i> , <b>2012</b> , 42, 242-8	2.8	5
5	In vivo USPIO magnetic resonance imaging shows that minocycline mitigates macrophage recruitment to a peripheral nerve injury. <i>Molecular Pain</i> , <b>2012</b> , 8, 49	3.4	20
4	MR imaging-guided cryoablation for the treatment of benign prostatic hyperplasia. <i>Journal of Vascular and Interventional Radiology</i> , <b>2011</b> , 22, 1427-30	2.4	4
3	Magnetic resonance guided high-intensity focused ultrasound ablation of musculoskeletal tumors. <i>Current Orthopaedic Practice</i> , <b>2011</b> , 22, 303-308	0.4	4
2	Ductal pattern enhancement on magnetic resonance imaging of the breast due to ductal lavage. <i>Breast Journal</i> , <b>2007</b> , 13, 281-6	1.2	5
1	Characterization of ligand-induced conformational states in the beta 2 adrenergic receptor. <i>Journal of Receptor and Signal Transduction Research</i> , <b>1999</b> , 19, 293-300	2.6	6