

# Tobias Knopp

## 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.

141  
papers

2,801  
citations

31  
h-index

49  
g-index

166  
ext. papers

3,431  
ext. citations

4.2  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
141	Modeling the magnetization dynamics for large ensembles of immobilized magnetic nanoparticles in multi-dimensional magnetic particle imaging. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 543, 168534	2.8	2
140	Simulating magnetization dynamics of large ensembles of single domain nanoparticles: Numerical study of Brown/NBL dynamics and parameter identification problems in magnetic particle imaging. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 541, 168508	2.8	0
139	Magnetic particle imaging for assessment of cerebral perfusion and ischemia. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2021</b> , e1757	9.2	2
138	MRIReco.jl: An MRI reconstruction framework written in Julia. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 1633-1646	4.4	4
137	Simultaneous imaging of widely differing particle concentrations in MPI: problem statement and algorithmic proposal for improvement. <i>Physics in Medicine and Biology</i> , <b>2021</b> , 66,	3.8	5
136	Experimental analysis of the log law at adverse pressure gradient. <i>Journal of Fluid Mechanics</i> , <b>2021</b> , 918,	3.7	4
135	A wavelet-based sparse row-action method for image reconstruction in magnetic particle imaging. <i>Medical Physics</i> , <b>2021</b> , 48, 3893-3903	4.4	4
134	Smart chest X-ray worklist prioritization using artificial intelligence: a clinical workflow simulation. <i>European Radiology</i> , <b>2021</b> , 31, 3837-3845	8	7
133	Efficient Joint Estimation of Tracer Distribution and Background Signals in Magnetic Particle Imaging Using a Dictionary Approach. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 3568-3579	11.7	1
132	Visualization of spatial and temporal temperature distributions with magnetic particle imaging for liver tumor ablation therapy. <i>Scientific Reports</i> , <b>2020</b> , 10, 7480	4.9	20
131	Suppression of Motion Artifacts Caused by Temporally Recurring Tracer Distributions in Multi-Patch Magnetic Particle Imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2020</b> , 39, 3548-3558	11.7	2
130	Development of long circulating magnetic particle imaging tracers: use of novel magnetic nanoparticles and entrapment into human erythrocytes. <i>Nanomedicine</i> , <b>2020</b> , 15, 739-753	5.6	14
129	Design of a head coil for high resolution mouse brain perfusion imaging using magnetic particle imaging. <i>Physics in Medicine and Biology</i> , <b>2020</b> , 65, 235007	3.8	6
128	3d-SMRnet: Achieving a New Quality of MPI System Matrix Recovery by Deep Learning. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 74-82	0.9	3
127	OpenMPIData: An initiative for freely accessible magnetic particle imaging data. <i>Data in Brief</i> , <b>2020</b> , 28, 104971	1.2	6
126	Simultaneous Magnetic Particle Imaging and Navigation of large superparamagnetic nanoparticles in bifurcation flow experiments. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2020</b> , 498, 166206	2.8	23
125	Monitoring Intracranial Cerebral Hemorrhage Using Multicontrast Real-Time Magnetic Particle Imaging. <i>ACS Nano</i> , <b>2020</b> , 14, 13913-13923	16.7	18

124	Using Low-Rank Tensors for the Recovery of MPI System Matrices. <i>IEEE Transactions on Computational Imaging</i> , <b>2020</b> , 6, 1389-1402	4.5	6
123	Combining Direct 3D Volume Rendering and Magnetic Particle Imaging to Advance Radiation-Free Real-Time 3D Guidance of Vascular Interventions. <i>CardioVascular and Interventional Radiology</i> , <b>2020</b> , 43, 322-330	2.7	5
122	In-Vitro MPI-guided IVOCT catheter tracking in real time for motion artifact compensation. <i>PLoS ONE</i> , <b>2020</b> , 15, e0230821	3.7	4
121	In-Vitro MPI-guided IVOCT catheter tracking in real time for motion artifact compensation <b>2020</b> , 15, e0230821		
120	In-Vitro MPI-guided IVOCT catheter tracking in real time for motion artifact compensation <b>2020</b> , 15, e0230821		
119	In-Vitro MPI-guided IVOCT catheter tracking in real time for motion artifact compensation <b>2020</b> , 15, e0230821		
118	In-Vitro MPI-guided IVOCT catheter tracking in real time for motion artifact compensation <b>2020</b> , 15, e0230821		
117	When Does Bone Suppression And Lung Field Segmentation Improve Chest X-Ray Disease Classification? <b>2019</b> ,		6
116	Bimodal intravascular volumetric imaging combining OCT and MPI. <i>Medical Physics</i> , <b>2019</b> , 46, 1371-1383	4.4	3
115	Correction of linear system drifts in magnetic particle imaging. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 125013	3.8	6
114	Comparison of Deep Learning Approaches for Multi-Label Chest X-Ray Classification. <i>Scientific Reports</i> , <b>2019</b> , 9, 6381	4.9	146
113	Human-sized magnetic particle imaging for brain applications. <i>Nature Communications</i> , <b>2019</b> , 10, 1936	17.4	96
112	Discriminating nanoparticle core size using multi-contrast MPI. <i>Physics in Medicine and Biology</i> , <b>2019</b> , 64, 074001	3.8	9
111	First magnetic particle imaging angiography in human-sized organs by employing a multimodal ex vivo pig kidney perfusion system. <i>Physiological Measurement</i> , <b>2019</b> , 40, 105002	2.9	12
110	Towards accurate modeling of the multidimensional magnetic particle imaging physics. <i>New Journal of Physics</i> , <b>2019</b> , 21, 103032	2.9	8
109	Toward employing the full potential of magnetic particle imaging: exploring visualization techniques and clinical use cases for real-time 3D vascular imaging <b>2019</b> ,		2
108	MPIFiles.jl: A Julia Package for Magnetic Particle Imaging Files. <i>Journal of Open Source Software</i> , <b>2019</b> , 4, 1331	5.2	4
107	3D Printed Anatomical Model of a Rat for Medical Imaging. <i>Current Directions in Biomedical Engineering</i> , <b>2019</b> , 5, 187-190	0.5	2

106	A Wind Tunnel Experiment for Symmetric Wakes in Adverse Pressure Gradients <b>2019</b> ,		2
105	Efficient Joint Image Reconstruction of Multi-Patch Data Reusing a Single System Matrix in Magnetic Particle Imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 932-944	11.7	13
104	Magnetic particle imaging for in vivo blood flow velocity measurements in mice. <i>Physics in Medicine and Biology</i> , <b>2018</b> , 63, 064001	3.8	27
103	Influence of deformable image registration on 4D dose simulation for extracranial SBRT: A multi-registration framework study. <i>Radiotherapy and Oncology</i> , <b>2018</b> , 127, 225-232	5.3	11
102	Viscosity quantification using multi-contrast magnetic particle imaging. <i>New Journal of Physics</i> , <b>2018</b> , 20, 083001	2.9	23
101	Analysis of the influence of imaging-related uncertainties on cerebral aneurysm deformation quantification using a no-deformation physical flow phantom. <i>Scientific Reports</i> , <b>2018</b> , 8, 11004	4.9	4
100	Imaging and moving magnetic beads with magnetic particle imaging for targeted drug delivery <b>2018</b> ,		3
99	Moving table magnetic particle imaging: a stepwise approach preserving high spatio-temporal resolution. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 046002	2.6	4
98	Towards bimodal intravascular OCT MPI volumetric imaging <b>2018</b> ,		1
97	Magnetic-Particle-Imaging mit mehreren Gradientenstäben. <i>Informatik Aktuell</i> , <b>2018</b> , 373-373	0.3	
96	Enlarging the field of view in magnetic particle imaging using a moving table approach <b>2018</b> ,		1
95	A new cerebral vessel benchmark dataset (CAPUT) for validation of image-based aneurysm deformation estimation algorithms. <i>Scientific Reports</i> , <b>2018</b> , 8, 15999	4.9	1
94	Mathematical analysis of the 1D model and reconstruction schemes for magnetic particle imaging. <i>Inverse Problems</i> , <b>2018</b> , 34, 055012	2.3	6
93	In vitro and in vivo comparison of a tailored magnetic particle imaging blood pool tracer with Resovist. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3454-3469	3.8	31
92	In vivo liver visualizations with magnetic particle imaging based on the calibration measurement approach. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3470-3482	3.8	14
91	Detection and Compensation of Periodic Motion in Magnetic Particle Imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 1511-1521	11.7	7
90	Magnetic particle imaging: from proof of principle to preclinical applications. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, R124-R178	3.8	93
89	Direct Image Reconstruction of Lissajous-Type Magnetic Particle Imaging Data Using Chebyshev-Based Matrix Compression. <i>IEEE Transactions on Computational Imaging</i> , <b>2017</b> , 3, 671-681	4.5	11

88	Hybrid system calibration for multidimensional magnetic particle imaging. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3392-3406	3.8	23
87	Magnetic Particle Imaging for Real-Time Perfusion Imaging in Acute Stroke. <i>ACS Nano</i> , <b>2017</b> , 11, 10480-10488	10.4	99
86	Fast multiresolution data acquisition for magnetic particle imaging using adaptive feature detection. <i>Medical Physics</i> , <b>2017</b> , 44, 6456-6460	4.4	8
85	First experimental comparison between the Cartesian and the Lissajous trajectory for magnetic particle imaging. <i>Physics in Medicine and Biology</i> , <b>2017</b> , 62, 3407-3421	3.8	16
84	Towards Picogram Detection of Superparamagnetic Iron-Oxide Particles Using a Gradiometric Receive Coil. <i>Scientific Reports</i> , <b>2017</b> , 7, 6872	4.9	70
83	Edge Preserving and Noise Reducing Reconstruction for Magnetic Particle Imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2017</b> , 36, 74-85	11.7	34
82	Hybrid RANS/LES Study of the Development of an Airfoil-Generated Vortex. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , <b>2016</b> , 41-54	0.3	2
81	Online reconstruction of 3D magnetic particle imaging data. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, N257-67	3.8	37
80	Using data redundancy gained by patch overlaps to reduce truncation artifacts in magnetic particle imaging. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 4583-4598	3.8	14
79	Sensitivity Enhancement in Magnetic Particle Imaging by Background Subtraction. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 893-900	11.7	41
78	Experimental Investigation of a Turbulent Boundary Layer Subject to an Adverse Pressure Gradient at $(Re_{\theta})$ up to 10000 Using Large-Scale and Long-Range Microscopic Particle Imaging. <i>ERCOFTAC Series</i> , <b>2016</b> , 271-281	0.1	1
77	Magnetic Particle / Magnetic Resonance Imaging: In-Vitro MPI-Guided Real Time Catheter Tracking and 4D Angioplasty Using a Road Map and Blood Pool Tracer Approach. <i>PLoS ONE</i> , <b>2016</b> , 11, e0156899	3.7	65
76	Magnetic Particle Imaging for High Temporal Resolution Assessment of Aneurysm Hemodynamics. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160097	3.7	41
75	Subpixelgenaue Positionsbestimmung in Magnetic-Particle-Imaging. <i>Informatik Aktuell</i> , <b>2016</b> , 20-25	0.3	0
74	Geometrieplanung und Bildregistrierung mittels bimodaler Fiducial-Marker für Magnetic Particle Imaging. <i>Informatik Aktuell</i> , <b>2016</b> , 128-133	0.3	
73	MPI as high temporal resolution imaging technique for in vivo bolus tracking of Ferucarbotran in mouse model <b>2016</b> ,		2
72	Artifact free reconstruction with the system matrix approach by overscanning the field-free-point trajectory in magnetic particle imaging. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 475-87	3.8	38
71	Non-Equispaced System Matrix Acquisition for Magnetic Particle Imaging Based on Lissajous Node Points. <i>IEEE Transactions on Medical Imaging</i> , <b>2016</b> , 35, 2476-2485	11.7	18

70	Increasing the sensitivity for stem cell monitoring in system-function based magnetic particle imaging. <i>Physics in Medicine and Biology</i> , <b>2016</b> , 61, 3279-90	3.8	40
69	Geometry planning and image registration in magnetic particle imaging using bimodal fiducial markers. <i>Medical Physics</i> , <b>2016</b> , 43, 2884-2893	4.4	14
68	Investigation of the Law-of-the-Wall for a Turbulent Boundary Layer Flow Subject to an Adverse Pressure Gradient Using Particle Imaging. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , <b>2016</b> , 177-187	0.3	
67	Symmetries of the 2D magnetic particle imaging system matrix. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, 4033-44	3.8	7
66	Investigation of scaling laws in a turbulent boundary layer flow with adverse pressure gradient using PIV. <i>Journal of Turbulence</i> , <b>2015</b> , 16, 250-272	2.1	22
65	Joint reconstruction of non-overlapping magnetic particle imaging focus-field data. <i>Physics in Medicine and Biology</i> , <b>2015</b> , 60, L15-21	3.8	39
64	Compressed Sensing of the System Matrix and Sparse Reconstruction of the Particle Concentration in Magnetic Particle Imaging. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	5
63	Combined Preclinical Magnetic Particle Imaging and Magnetic Resonance Imaging: Initial Results in Mice. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , <b>2015</b> , 187, 347-52	2.3	33
62	Reconstruction of the Magnetic Particle Imaging System Matrix Using Symmetries and Compressed Sensing. <i>Advances in Mathematical Physics</i> , <b>2015</b> , 2015, 1-9	1.1	9
61	Local System Matrix Compression for Efficient Reconstruction in Magnetic Particle Imaging. <i>Advances in Mathematical Physics</i> , <b>2015</b> , 2015, 1-7	1.1	14
60	MPI focus field experiments using non-overlapping focus-field patches <b>2015</b> ,		1
59	Multithreading-Support für die Programmiersprache Julia. <i>Informatik Aktuell</i> , <b>2015</b> , 383-388	0.3	
58	Efficient gradient field generation providing a multi-dimensional arbitrary shifted field-free point for magnetic particle imaging. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 044910	2.5	9
57	Experimental Investigation of the Log-Law for an Adverse Pressure Gradient Turbulent Boundary Layer Flow at $Re_{\tau} = 10000$ . <i>Flow, Turbulence and Combustion</i> , <b>2014</b> , 92, 451-471	2.5	24
56	Toward cardiovascular interventions guided by magnetic particle imaging: first instrument characterization. <i>Magnetic Resonance in Medicine</i> , <b>2013</b> , 69, 1761-7	4.4	32
55	Recovery of the magnetic particle imaging system matrix using compressed sensing reconstruction <b>2013</b> ,		2
54	Sparse reconstruction of the magnetic particle imaging system matrix. <i>IEEE Transactions on Medical Imaging</i> , <b>2013</b> , 32, 1473-80	11.7	31
53	Analog receive signal processing for magnetic particle imaging. <i>Medical Physics</i> , <b>2013</b> , 40, 042303	4.4	39

52	Simulation of Wing Stall <b>2013</b> ,		4
51	On the formulation of the image reconstruction problem in magnetic particle imaging. <i>Biomedizinische Technik</i> , <b>2013</b> , 58, 583-91	1.3	38
50	From Data to Images: Reconstruction <b>2012</b> , 127-148		
49	Magnetic Particle Imaging <b>2012</b> ,		65
48	Chimera technique for transporting disturbances. <i>International Journal for Numerical Methods in Fluids</i> , <b>2012</b> , 70, 1558-1572	1.9	3
47	How Magnetic Particle Imaging Works <b>2012</b> , 11-70		
46	Prior to Reconstruction The System Function <b>2012</b> , 97-125		1
45	How to Build an MPI Scanner <b>2012</b> , 71-95		1
44	Efficient Magnetic Gradient Field Generation With Arbitrary Axial Displacement for Magnetic Particle Imaging. <i>IEEE Magnetics Letters</i> , <b>2012</b> , 3, 6500104-6500104	1.6	11
43	Single-sided magnetic particle imaging device for the sentinel lymph node biopsy scenario <b>2012</b> ,		3
42	Enhancing the efficiency of a field free line scanning device for magnetic particle imaging <b>2012</b> ,		3
41	Influence of Magnetic Field Optimization on Image Quality Achieved for Efficient Radon-Based Reconstruction in Field Free Line Imaging in MPI. <i>Springer Proceedings in Physics</i> , <b>2012</b> , 225-229	0.2	2
40	Special System Topologies <b>2012</b> , 149-170		
39	Efficient Positioning of the Field-Free Point in Magnetic Particle Imaging. <i>Springer Proceedings in Physics</i> , <b>2012</b> , 161-165	0.2	
38	Prediction of the spatial resolution of magnetic particle imaging using the modulation transfer function of the imaging process. <i>IEEE Transactions on Medical Imaging</i> , <b>2011</b> , 30, 1284-92	11.7	61
37	A Fourier slice theorem for magnetic particle imaging using a field-free line. <i>Inverse Problems</i> , <b>2011</b> , 27, 095004	2.3	26
36	1D-image reconstruction for magnetic particle imaging using a hybrid system function <b>2011</b> ,		9
35	Novel hardware developments in magnetic particle imaging <b>2011</b> ,		1

34	Experimental generation of an arbitrarily rotated field-free line for the use in magnetic particle imaging. <i>Medical Physics</i> , <b>2011</b> , 38, 5200-7	4.4	30
33	Effiziente Rekonstruktion und alternative Spulentopologien für Magnetic-Particle-Imaging <b>2011</b> ,		5
32	Optimierung einer Permanentmagnetgeometrie zur Generierung eines Selektionsfeldes für Magnetic-Particle-Imaging. <i>Informatik Aktuell</i> , <b>2011</b> , 419-423	0.3	
31	Über das Auflösungsvermögen von Magnetic-Particle-Imaging. <i>Informatik Aktuell</i> , <b>2011</b> , 329-333	0.3	
30	Experimentelle Validierung des Konzeptes einer feldfreie Linie für Magnetic-Particle-Imaging anhand von Magnetfeldmessungen. <i>Informatik Aktuell</i> , <b>2011</b> , 334-338	0.3	
29	Efficient generation of a magnetic field-free line. <i>Medical Physics</i> , <b>2010</b> , 37, 3538-40	4.4	34
28	Limitations of measurement-based system functions in magnetic particle imaging <b>2010</b> ,		3
27	Weighted iterative reconstruction for magnetic particle imaging. <i>Physics in Medicine and Biology</i> , <b>2010</b> , 55, 1577-89	3.8	106
26	Generation of a static magnetic field-free line using two Maxwell coil pairs. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 092505	3.4	23
25	Field-free line formation in a magnetic field. <i>Journal of Physics A: Mathematical and Theoretical</i> , <b>2010</b> , 43, 012002	2	32
24	2D model-based reconstruction for magnetic particle imaging. <i>Medical Physics</i> , <b>2010</b> , 37, 485-91	4.4	61
23	SUPERPARAMAGNETIC IRON OXIDE NANOPARTICLES FOR MAGNETIC PARTICLE IMAGING <b>2010</b> ,		1
22	SENTINEL LYMPHNODE DETECTION IN BREAST CANCER BY MAGNETIC PARTICLE IMAGING USING SUPERPARAMAGNETIC NANOPARTICLES <b>2010</b> ,		3
21	A SPECTROMETER TO MEASURE THE USABILITY OF NANOPARTICLES FOR MAGNETIC PARTICLE IMAGING <b>2010</b> ,		3
20	Model-based reconstruction for magnetic particle imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2010</b> , 29, 12-8	11.7	95
19	RESOLUTION DISTRIBUTION IN SINGLE-SIDED MAGNETIC PARTICLE IMAGING <b>2010</b> ,		3
18	Application of a New Roughness Extension for $k-\epsilon$ Turbulence Models. <i>Notes on Numerical Fluid Mechanics and Multidisciplinary Design</i> , <b>2010</b> , 43-50	0.3	
17	Iterative off-resonance and signal decay estimation and correction for multi-echo MRI. <i>IEEE Transactions on Medical Imaging</i> , <b>2009</b> , 28, 394-404	11.7	19



16	A new extension for k $\epsilon$ turbulence models to account for wall roughness. <i>International Journal of Heat and Fluid Flow</i> , <b>2009</b> , 30, 54-65	2.4	61
15	Preparation and Characterization of Dextran-Covered Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Magnetic Particle Imaging. <i>IFMBE Proceedings</i> , <b>2009</b> , 2343-2346	0.2	6
14	Estimation of Magnetic Nanoparticle Diameter with a Magnetic Particle Spectrometer. <i>IFMBE Proceedings</i> , <b>2009</b> , 61-64	0.2	1
13	Single-sided device for magnetic particle imaging. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 022001	3	86
12	Trajectory analysis for magnetic particle imaging. <i>Physics in Medicine and Biology</i> , <b>2009</b> , 54, 385-97	3.8	120
11	Magnetization response spectroscopy of superparamagnetic nanoparticles for magnetic particle imaging. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 205007	3	162
10	A Spectrometer for Magnetic Particle Imaging. <i>IFMBE Proceedings</i> , <b>2009</b> , 2313-2316	0.2	10
9	Particle-Size Distribution of Dextran- and Carboxydextran-Coated Superparamagnetic Nanoparticles for Magnetic Particle Imaging. <i>IFMBE Proceedings</i> , <b>2009</b> , 226-229	0.2	6
8	Magnetic Particle Imaging durch Superparamagnetische Nanopartikel zur Sentinellymphknotendetektion beim Mammakarzinom. <i>Geburtshilfe Und Frauenheilkunde</i> , <b>2009</b> , 69,	2	10
7	Trajektorien-dichte bei Magnetic Particle Imaging. <i>Informatik Aktuell</i> , <b>2009</b> , 71-75	0.3	
6	CT-MAR Reconstruction Using Non-Uniform Fourier Transform. <i>IFMBE Proceedings</i> , <b>2009</b> , 861-865	0.2	
5	Evaluation of surrogate data quality in sinogram-based CT metal-artifact reduction <b>2008</b> ,		6
4	Singular value analysis for Magnetic Particle Imaging <b>2008</b> ,		15
3	A note on the iterative MRI reconstruction from nonuniform k-space data. <i>International Journal of Biomedical Imaging</i> , <b>2007</b> , 2007, 24727	5.2	52
2	Field inhomogeneity correction based on gridding reconstruction for magnetic resonance imaging. <i>IEEE Transactions on Medical Imaging</i> , <b>2007</b> , 26, 374-84	11.7	31
1	A grid and flow adaptive wall-function method for RANS turbulence modelling. <i>Journal of Computational Physics</i> , <b>2006</b> , 220, 19-40	4.1	60