

Sebastian Ley

List of Publications by Year in descending order

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147
papers

4,989
citations

61984

43
h-index

106344

65
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156
all docs

156
docs citations

156
times ranked

4253
citing authors

#	ARTICLE	IF	CITATIONS
1	Fully Automated Segmentation of Pulmonary Fibrosis Using Different Software Tools. <i>Respiration</i> , 2021, 100, 580-587.	2.6	4
2	Basics and Clinical Application of MR Assessment of Pulmonary Hemodynamics and Blood Flow. <i>Medical Radiology</i> , 2021, , 47-57.	0.1	0
3	Structured Reporting in Cross-Sectional Imaging of the Heart: Reporting Templates for CMR Imaging of Cardiomyopathies (Myocarditis, Dilated Cardiomyopathy, Hypertrophic Cardiomyopathy,) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> <i>Der Röntgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020, 192, 27-37.	1.3	19
4	Advanced Temperature Dielectric Spectroscopy Of Muscle Phantom At Microwave Frequencies. , 2020, , .		0
5	Recommendations of the Thoracic Imaging Section of the German Radiological Society for clinical application of chest imaging and structured CT reporting in the COVID-19 pandemic. <i>RoFo Fortschritte Auf Dem Gebiet Der Röntgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020, 192, 633-640.	1.3	30
6	Temperature dependent dielectric spectroscopy of muscle tissue phantom. <i>International Journal of Microwave and Wireless Technologies</i> , 2020, 12, 885-891.	1.9	2
7	Comment on: Diagnostic Reference Levels for Diagnostic and Interventional X-Ray Procedures in Germany: Update and Handling/Diagnostische Referenzwerte für diagnostische und interventionelle Röntgenanwendungen in Deutschland: Aktualisierung und Handhabung (Alexander Schegerer,) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10</i> <i>Und Der Bildgebenden Verfahren</i> , 2020, 192, 82-82.	1.3	19
8	GOLD stage predicts thoracic aortic calcifications in patients with COPD. <i>Experimental and Therapeutic Medicine</i> , 2019, 17, 967-973.	1.8	2
9	Aortic Coarctation a Systemic Vessel Disease—Insights from Magnetic Resonance Imaging. <i>Thoracic and Cardiovascular Surgeon</i> , 2019, 67, e1-e10.	1.0	5
10	Thoracic imaging: course report. <i>Breathe</i> , 2019, 15, 4-6.	1.3	0
11	Towards quantitative perfusion MRI of the lung in COPD: The problem of short-term repeatability. <i>PLoS ONE</i> , 2018, 13, e0208587.	2.5	9
12	Changes of Emphysema Parameters over the Respiratory Cycle During Free Breathing: Preliminary Results Using Respiratory Gated 4D-CT. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2017, 14, 597-602.	1.6	5
13	Pulmonary Hypertension and Thromboembolic Disease. <i>Medical Radiology</i> , 2017, , 185-200.	0.1	0
14	Reproducibility and comparison of oxygen-enhanced T1 quantification in COPD and asthma patients. <i>PLoS ONE</i> , 2017, 12, e0172479.	2.5	18
15	Automated 3D Volumetry of the Pulmonary Arteries based on Magnetic Resonance Angiography Has Potential for Predicting Pulmonary Hypertension. <i>PLoS ONE</i> , 2016, 11, e0162516.	2.5	15
16	Thoracic imaging: course report. <i>Breathe</i> , 2016, 12, 9-10.	1.3	0
17	Effects of slice orientation on reproducibility of sequential assessment of right ventricular volumes and ejection fraction: short-axis vs transverse SSFP cine cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 60.	3.3	11
18	Imaging in vascular diseases of the lung. <i>Current Opinion in Pulmonary Medicine</i> , 2016, 22, 522-526.	2.6	0

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19	MR imaging of lung parenchymal changes in sarcoidosis. , 2016, , .		1
20	Functional Lung MRI in Chronic Obstructive Pulmonary Disease: Comparison of T1 Mapping, Oxygen-Enhanced T1 Mapping and Dynamic Contrast Enhanced Perfusion. PLoS ONE, 2015, 10, e0121520.	2.5	49
21	Morpho-Functional 1H-MRI of the Lung in COPD: Short-Term Test-Retest Reliability. PLoS ONE, 2015, 10, e0137282.	2.5	15
22	Non-invasive pulmonary blood flow analysis and blood pressure mapping derived from 4D flow MRI. , 2015, , .		1
23	Noninvasive 4D pressure difference mapping derived from 4D flow MRI in patients with repaired aortic coarctation: comparison with young healthy volunteers. International Journal of Cardiovascular Imaging, 2015, 31, 823-830.	1.5	29
24	Automatic lung segmentation method for MRI-based lung perfusion studies of patients with chronic obstructive pulmonary disease. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 403-417.	2.8	39
25	Quantitative Emphysema Distribution in Anatomic and Non-anatomic Lung Regions. COPD: Journal of Chronic Obstructive Pulmonary Disease, 2015, 12, 260-270.	1.6	10
26	Imaging Pulmonary Arterial Thromboembolism. Magnetic Resonance Imaging Clinics of North America, 2015, 23, 261-271.	1.1	7
27	Lung imaging. European Respiratory Review, 2015, 24, 240-245.	7.1	4
28	Assessment of the relationship between morphological emphysema phenotype and corresponding pulmonary perfusion pattern on a segmental level. European Radiology, 2015, 25, 72-80.	4.5	13
29	Mid-Term Follow-Up after Arterial Switch Operation for Complete Transposition of the Great Arteries. Journal of Cardiology and Therapeutics, 2015, 3, 16-24.	0.1	0
30	Assessment of aortic morphology and compliance in children and adolescents with Ullrich-Turner syndrome (UTS) using magnetic resonance imaging (MRI). Journal of Pediatric Endocrinology and Metabolism, 2014, 27, 915-22.	0.9	4
31	Phantom materials mimicking the optical properties in the near infrared range for non-invasive fetal pulse oximetry. , 2014, 2014, 1432-5.		6
32	Tensor-based tracking of the aorta in phase-contrast MR images. Proceedings of SPIE, 2014, , .	0.8	1
33	Detection of acute pulmonary embolism: feasibility of diagnostic accuracy of MRI using a stepwise protocol. Emergency Radiology, 2014, 21, 151-158.	1.8	20
34	MRI of Lung Morphology and Perfusion. Medical Radiology, 2014, , 505-512.	0.1	0
35	Light source driver, photodiode and impedance sensing in plethysmographic measurements. , 2014, , .		1
36	Magnetic Resonance Assessment of Pulmonary (QP) to Systemic (QS) Flows Using 4D Phase-contrast Imaging. Academic Radiology, 2014, 21, 1002-1008.	2.5	50

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37	Magnetic Resonance Imaging Detects Changes in Structure and Perfusion, and Response to Therapy in Early Cystic Fibrosis Lung Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 956-965.	5.6	228
38	Noninvasive pressure difference mapping derived from 4D flow MRI in patients with unrepaired and repaired aortic coarctation. <i>Cardiovascular Diagnosis and Therapy</i> , 2014, 4, 97-103.	1.7	18
39	Accuracy of Right and Left Ventricular Functional Assessment by Short-Axis vs Axial Cine Steady-State Free-Precession Magnetic Resonance Imaging: Inpatient Correlation with Main Pulmonary Artery and Ascending Aorta Phase-Contrast Flow Measurements. <i>Canadian Association of Radiologists Journal</i> , 2013, 64, 213-219.	2.0	25
40	Magnetic resonance imaging to assess the effect of exercise training on pulmonary perfusion and blood flow in patients with pulmonary hypertension. <i>European Radiology</i> , 2013, 23, 324-331.	4.5	74
41	Assessment of right ventricular volumes and function using cardiovascular magnetic resonance cine imaging after atrial redirection surgery for complete transposition of the great arteries. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 335-342.	1.5	13
42	MRI-based hemodynamical analysis in patients with surgically treated aortic coarctations. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
43	Automatic Airway Analysis on Multidetector Computed Tomography in Cystic Fibrosis. <i>Journal of Thoracic Imaging</i> , 2013, 28, 104-113.	1.5	66
44	Estimation of aortic pressure waveforms from 4D phase-contrast MRI. , 2013, 2013, 731-4.		2
45	Graph-based bifurcation detection in phase-contrast MR images. , 2013, , .		1
46	Detection and size of pulmonary lesions: how accurate is MRI? A prospective comparison of CT and MRI. <i>Acta Radiologica</i> , 2012, 53, 153-160.	1.1	44
47	Vessel centerline extraction in phase-contrast MR images using vector flow information. <i>Proceedings of SPIE</i> , 2012, , .	0.8	3
48	Optimal Imaging Protocols for Lung Cancer Staging. <i>Radiologic Clinics of North America</i> , 2012, 50, 935-949.	1.8	30
49	In vivo and in vitro validation of aortic flow quantification by time-resolved three-dimensional velocity-encoded MRI. <i>International Journal of Cardiovascular Imaging</i> , 2012, 28, 1999-2008.	1.5	4
50	Impact of an Aortic Nitinol Stent Graft on Flow Measurements by Time-resolved Three-dimensional Velocity-encoded MRI. <i>Academic Radiology</i> , 2012, 19, 274-280.	2.5	4
51	Aortic dimensions on cardiovascular magnetic resonance imaging relate to pregnancy outcomes in women with coarctation of the aorta: a multicenter study. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, .	3.3	2
52	Low diagnostic yield of Late Gadolinium Enhancement (LGE) in screening patients with suspected Arrhythmogenic Right Ventricular Cardiomyopathy (ARVC) by Cardiovascular Magnetic Resonance (CMR). <i>Journal of Cardiovascular Magnetic Resonance</i> , 2012, 14, .	3.3	2
53	Diagnostic performance of state-of-the-art imaging techniques for morphological assessment of vascular abnormalities in patients with chronic thromboembolic pulmonary hypertension (CTEPH). <i>European Radiology</i> , 2012, 22, 607-616.	4.5	129
54	Pulmonary perfusion imaging using MRI: clinical application. <i>Insights Into Imaging</i> , 2012, 3, 61-71.	3.4	38

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55	Congenital and Acquired Heart Disease. , 2011, , 249-264.		2
56	High-resolution phase-contrast MRI of aortic and pulmonary blood flow during rest and physical exercise using a MRI compatible bicycle ergometer. European Journal of Radiology, 2011, 80, 103-108.	2.6	23
57	In vitro validation of flow measurements in an aortic nitinol stent graft by velocity-encoded MRI. European Journal of Radiology, 2011, 80, 163-167.	2.6	8
58	Tridirectional phase-contrast magnetic resonance velocity mapping depicts severe hemodynamic alterations in a patient with aortic dissection type Stanford B. Journal of Vascular Surgery, 2011, 54, 559-562.	1.1	13
59	Non-invasive diagnosis of pulmonary hypertension: ESC/ERS Guidelines with Updated Commentary of the Cologne Consensus Conference 2011. International Journal of Cardiology, 2011, 154, S3-S12.	1.7	64
60	Repeatability and Reproducibility of Quantitative Whole-lung Perfusion Magnetic Resonance Imaging. Journal of Thoracic Imaging, 2011, 26, 230-239.	1.5	23
61	Impact of Physiological Ventricular Deformation on the Morphology of the T-Wave: A Hybrid, Static-Dynamic Approach. IEEE Transactions on Biomedical Engineering, 2011, 58, 2109-2119.	4.2	21
62	Oxygen-enhanced lung magnetic resonance imaging: influence of inversion pulse slice selectivity on inversion recovery half-Fourier single-shot turbo spin-echo signal. Japanese Journal of Radiology, 2011, 29, 244-250.	2.4	4
63	Optimal assessment of right ventricular function using cardiac magnetic resonance cine imaging after Mustard palliation for transposition of the great arteries. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	3.3	0
64	Short axis versus axial Cine SSFP MR imaging for assessment of right and left ventricular function: inpatient correlation with phase-contrast flow measurements. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	3.3	0
65	Polynomial regularization for robust MRI-based estimation of blood flow velocities and pressure gradients. , 2011, 2011, 6829-32.		1
66	Influence of imaging quality on magnetic resonance-based pressure gradient measurements. , 2010, , .		6
67	Long-Term Outcome After External Tracheal Stabilization Due to Congenital Tracheal Instability. Annals of Thoracic Surgery, 2010, 89, 918-925.	1.3	17
68	Computed tomography and magnetic resonance imaging of pulmonary hypertension: Pulmonary vessels and right ventricle. Journal of Magnetic Resonance Imaging, 2010, 32, 1313-1324.	3.4	26
69	Thoracic Magnetic Resonance Imaging 1985 to 2010. Journal of Thoracic Imaging, 2010, 25, 34-38.	1.5	18
70	Glossopharyngeal Insufflation and Pulmonary Hemodynamics in Elite Breath Hold Divers. Medicine and Science in Sports and Exercise, 2010, 42, 1688-1695.	0.4	19
71	Visualization of morphological parenchymal changes in emphysema: Comparison of different MRI sequences to 3D-HRCT. European Journal of Radiology, 2010, 73, 43-49.	2.6	43
72	Low dose multi-detector CT of the chest (iLEAD Study): Visual ranking of different simulated mAs levels. European Journal of Radiology, 2010, 73, 428-433.	2.6	16

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73	Flow-based segmentation of the large thoracic arteries in tridirectional phase-contrast MRI. Proceedings of SPIE, 2009, , .	0.8	2
74	Imaging of Pulmonary Pathologies: Focus on Magnetic Resonance Imaging. Proceedings of the American Thoracic Society, 2009, 6, 458-463.	3.5	37
75	Quantification of pulmonary blood flow (PBF): Validation of perfusion MRI and nonlinear contrast agent (CA) dose correction with HO positron emission tomography (PET). Magnetic Resonance in Medicine, 2009, 62, 476-487.	3.0	23
76	Whole-body MRI in the pediatric patient. European Journal of Radiology, 2009, 70, 442-451.	2.6	49
77	Evaluation of complex congenital heart disease and associated complications in newborns, infants and small children using multi-detector CT. Journal of Cardiovascular Magnetic Resonance, 2009, 11, .	3.3	0
78	New method for 3D parametric visualization of contrast-enhanced pulmonary perfusion MRI data. European Radiology, 2008, 18, 291-297.	4.5	15
79	Morphological and functional imaging in COPD with CT and MRI: present and future. European Radiology, 2008, 18, 510-521.	4.5	80
80	Role of MRI in the management of patients with nephroblastoma. European Radiology, 2008, 18, 683-691.	4.5	36
81	In vivo Gd-DTPA concentration for MR lung perfusion measurements: Assessment with computed tomography in a porcine model. European Radiology, 2008, 18, 2102-2107.	4.5	44
82	MR Imaging/Magnetic Resonance Angiography of the Pulmonary Arteries and Pulmonary Thromboembolic Disease. Magnetic Resonance Imaging Clinics of North America, 2008, 16, 263-273.	1.1	21
83	Outcome After Mechanical Aortic Valve Replacement in Children and Young Adults. Annals of Thoracic Surgery, 2008, 85, 604-610.	1.3	20
84	Quantitative analysis of emphysema in 3D using MDCT: Influence of different reconstruction algorithms. European Journal of Radiology, 2008, 65, 228-234.	2.6	47
85	The answer from the authors. European Journal of Radiology, 2008, 65, 237.	2.6	0
86	Concepts for Visualization of Multidirectional Phase-contrast MRI of the Heart and Large Thoracic Vessels. Academic Radiology, 2008, 15, 361-369.	2.5	28
87	Level set segmentation of the heart from 4D phase contrast MRI. Proceedings of SPIE, 2008, , .	0.8	0
88	Assessment of Thoracic Aortic Dimensions in an Experimental Setting: Comparison of Different Unenhanced Magnetic Resonance Angiography Techniques With Electrocardiogram-Gated Computed Tomography Angiography for Possible Application in the Pediatric Population. Investigative Radiology, 2008, 43, 179-186.	6.2	13
89	Quantification of Lung Volume at Different Tidal Volumes and Positive End-Expiratory Pressures in a Porcine Model by Using Retrospective Respiratory Gated 4D-Computed Tomography. Investigative Radiology, 2008, 43, 461-469.	6.2	14
90	Validation of Magnetic Resonance Phase-Contrast Flow Measurements in the Main Pulmonary Artery and Aorta Using Perivascular Ultrasound in a Large Animal Model. Investigative Radiology, 2008, 43, 421-426.	6.2	28

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91	Oxygen-Enhanced Magnetic Resonance Imaging: Influence of Different Gas Delivery Methods on the T1-changes of the Lungs. <i>Investigative Radiology</i> , 2008, 43, 427-432.	6.2	26
92	Impact of Oxygen Inhalation on the Pulmonary Circulation. <i>Investigative Radiology</i> , 2007, 42, 283-290.	6.2	48
93	MR-Relaxometry of Myocardial Tissue. <i>Investigative Radiology</i> , 2007, 42, 636-642.	6.2	57
94	Assessment of Morphological MRI for Pulmonary Changes in Cystic Fibrosis (CF) Patients. <i>Investigative Radiology</i> , 2007, 42, 715-724.	6.2	132
95	MR flow measurements for assessment of the pulmonary, systemic and bronchosystemic circulation: Impact of different ECG gating methods and breathing schema. <i>European Journal of Radiology</i> , 2007, 61, 124-129.	2.6	18
96	Quantitative 3D pulmonary MR-perfusion in patients with pulmonary arterial hypertension: Correlation with invasive pressure measurements. <i>European Journal of Radiology</i> , 2007, 61, 251-255.	2.6	66
97	Assessment of the relationship between lung parenchymal destruction and impaired pulmonary perfusion on a lobar level in patients with emphysema. <i>European Journal of Radiology</i> , 2007, 63, 76-83.	2.6	54
98	Proton MRI in COPD. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2007, 4, 55-65.	1.6	27
99	Navigator-triggered oxygen-enhanced MRI with simultaneous cardiac and respiratory synchronization for the assessment of interstitial lung disease.. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1523-1529.	3.4	38
100	Preoperative assessment and follow-up of congenital abnormalities of the pulmonary arteries using CT and MRI. <i>European Radiology</i> , 2007, 17, 151-162.	4.5	43
101	Chronic thromboembolic pulmonary hypertension " assessment by magnetic resonance imaging. <i>European Radiology</i> , 2007, 17, 11-21.	4.5	103
102	Proton MRI appearance of cystic fibrosis: Comparison to CT. <i>European Radiology</i> , 2007, 17, 716-724.	4.5	124
103	Value of MR phase-contrast flow measurements for functional assessment of pulmonary arterial hypertension. <i>European Radiology</i> , 2007, 17, 1892-1897.	4.5	69
104	Magnetic resonance imaging of acute pulmonary embolism. <i>European Radiology</i> , 2007, 17, 2546-2553.	4.5	46
105	Evaluation of aortic regurgitation in congenital heart disease: value of MR imaging in comparison to echocardiography. <i>Pediatric Radiology</i> , 2007, 37, 426-436.	2.0	51
106	Visualization of coronary arteries in patients after childhood Kawasaki syndrome: value of multidetector CT and MR imaging in comparison to conventional coronary catheterization. <i>Pediatric Radiology</i> , 2007, 37, 998-1006.	2.0	59
107	INVESTIGATION OF RETROSPECTIVE RESPIRATORY GATING TECHNIQUES FOR ACQUISITION OF THIN-SLICE 4D-MULTIDETECTOR-COMPUTED TOMORGRAPHY (MDCT) OF THE LUNG: FEASIBILITY STUDY IN A LARGE ANIMAL MODEL. <i>Experimental Lung Research</i> , 2006, 32, 395-412.	1.2	6
108	Multi-detector CT of the Chest. <i>Journal of Computer Assisted Tomography</i> , 2006, 30, 460-468.	0.9	54

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109	MRI Measurement of the Hemodynamics of the Pulmonary and Systemic Arterial Circulation: Influence of Breathing Maneuvers. <i>American Journal of Roentgenology</i> , 2006, 187, 439-444.	2.2	39
110	Free-Breathing Three-Dimensional Computed Tomography of the Lung Using Prospective Respiratory Gating. <i>Investigative Radiology</i> , 2006, 41, 468-475.	6.2	11
111	Monitoring of Lung Motion in Patients With Malignant Pleural Mesothelioma Using Two-Dimensional and Three-Dimensional Dynamic Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2006, 41, 443-448.	6.2	27
112	Assessment of reproducibility and stability of different breath-hold manoeuvres by dynamic MRI: comparison between healthy adults and patients with pulmonary hypertension. <i>European Radiology</i> , 2006, 16, 173-179.	4.5	42
113	Therapy monitoring using dynamic MRI: Analysis of lung motion and intrathoracic tumor mobility before and after radiotherapy. <i>European Radiology</i> , 2006, 16, 1942-1950.	4.5	26
114	Contrast-enhanced 3D MRI of lung perfusion in children with cystic fibrosis—initial results. <i>European Radiology</i> , 2006, 16, 2147-2152.	4.5	102
115	Visualization of intrarenal vessels by 3.0-T MR angiography in comparison with digital subtraction angiography using renal specimens. <i>Pediatric Radiology</i> , 2006, 36, 1075-1081.	2.0	6
116	Dynamic coil selection for real-time imaging in interventional MRI. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 1156-1162.	3.0	13
117	Magnetic Resonance Imaging of Uneven Pulmonary Perfusion in Hypoxia in Humans. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 1132-1138.	5.6	94
118	Effect of Inspiratory and Expiratory Breathhold on Pulmonary Perfusion. <i>Investigative Radiology</i> , 2005, 40, 72-79.	6.2	119
119	Evaluation of Lung Volumetry Using Dynamic Three-Dimensional Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2005, 40, 173-179.	6.2	75
120	Assessment of hemodynamic changes in the systemic and pulmonary arterial circulation in patients with cystic fibrosis using phase-contrast MRI. <i>European Radiology</i> , 2005, 15, 1575-1580.	4.5	40
121	Value of high spatial and high temporal resolution magnetic resonance angiography for differentiation between idiopathic and thromboembolic pulmonary hypertension: initial results. <i>European Radiology</i> , 2005, 15, 2256-2263.	4.5	62
122	Comparison of relative forced expiratory volume of one second with dynamic magnetic resonance imaging parameters in healthy subjects and patients with lung cancer. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 212-218.	3.4	18
123	Intraindividual comparison of 1.0 M gadobutrol and 0.5 M gadopentetate dimeglumine for time-resolved contrast-enhanced three-dimensional magnetic resonance angiography of the upper torso. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 286-290.	3.4	24
124	Paired Inspiratory/Expiratory Volumetric Thin-Slice CT Scan for Emphysema Analysis. <i>Chest</i> , 2005, 128, 3212-3220.	0.8	114
125	Structural and Functional Characterization of Chronic Obstructive Lung Disease and Emphysema Using ³ He- MRI: Comparison with CT and Pulmonary Function Tests. <i>Academic Radiology</i> , 2005, 12, S69-S70.	2.5	0
126	Time-resolved contrast-enhanced three-dimensional magnetic resonance angiography of the chest: combination of parallel imaging with view sharing (TREAT). <i>Investigative Radiology</i> , 2005, 40, 40-8.	6.2	46

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127	Chronic Thromboembolic Pulmonary Hypertension: Pre- and Postoperative Assessment with Breath-hold MR Imaging Techniques. <i>Radiology</i> , 2004, 232, 535-543.	7.3	164
128	³ He-MRI in follow-up of lung transplant recipients. <i>European Radiology</i> , 2004, 14, 78-85.	4.5	55
129	Assessment of pulmonary hypertension by CT and MR imaging. <i>European Radiology</i> , 2004, 14, 359-368.	4.5	69
130	3D pulmonary perfusion MRI and MR angiography of pulmonary embolism in pigs after a single injection of a blood pool MR contrast agent. <i>European Radiology</i> , 2004, 14, 1291-6.	4.5	34
131	Measurement of diaphragmatic length during the breathing cycle by dynamic MRI: comparison between healthy adults and patients with an intrathoracic tumor. <i>European Radiology</i> , 2004, 14, 1392-9.	4.5	32
132	Respiratory luminal change of the pharynx and trachea in normal subjects and COPD patients: assessment by cine-MRI. <i>European Radiology</i> , 2004, 14, 2188-2197.	4.5	31
133	Analysis of intrathoracic tumor mobility during whole breathing cycle by dynamic MRI. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 59, 952-959.	0.8	167
134	Hybrid segmentation and virtual bronchoscopy based on CT images ¹ . <i>Academic Radiology</i> , 2004, 11, 551-565.	2.5	47
135	Measurement of tumor diameter-dependent mobility of lung tumors by dynamic MRI. <i>Radiotherapy and Oncology</i> , 2004, 73, 349-354.	0.6	66
136	Evaluation of Chest Motion and Volumetry During the Breathing Cycle by Dynamic MRI in Healthy Subjects. <i>Investigative Radiology</i> , 2004, 39, 202-209.	6.2	73
137	Functional Evaluation of Emphysema Using Diffusion-Weighted ³ Helium-Magnetic Resonance Imaging, High-Resolution Computed Tomography, and Lung Function Tests. <i>Investigative Radiology</i> , 2004, 39, 427-434.	6.2	59
138	Contrast-Enhanced Three-Dimensional Pulmonary Perfusion Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2004, 39, 143-148.	6.2	47
139	Functional Analysis in Single-Lung Transplant Recipients. <i>Chest</i> , 2004, 125, 173-181.	0.8	54
140	Effiziente Segmentierung von MRT-Perfusionsdatensätzen der Lunge. <i>Informatik Aktuell</i> , 2004, , 35-39.	0.6	0
141	Value of contrast-enhanced MR angiography and helical CT angiography in chronic thromboembolic pulmonary hypertension. <i>European Radiology</i> , 2003, 13, 2365-2371.	4.5	82
142	Segmentation and virtual exploration of tracheobronchial trees. <i>International Congress Series</i> , 2003, 1256, 35-40.	0.2	5
143	Measurements of Alveolar pO ₂ Using ¹⁹ F-MRI in Partial Liquid Ventilation. <i>Investigative Radiology</i> , 2003, 38, 635-641.	6.2	10
144	Bronchopulmonary Shunts in Patients with Chronic Thromboembolic Pulmonary Hypertension: Evaluation with Helical CT and MR Imaging. <i>American Journal of Roentgenology</i> , 2002, 179, 1209-1215.	2.2	106

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145	Quantitative Estimation of Microvascular Permeability in Human Brain Tumors. Academic Radiology, 2002, 9, S151-S155.	2.5	51
146	Utility (or Not) of Gd-DTPA-based Dynamic MRI for Breast Cancer Diagnosis and Grading. Academic Radiology, 2002, 9, S261-S265.	2.5	5
147	Correlation of Microvascular Permeability Derived from Dynamic Contrast-Enhanced MR Imaging with Histologic Grade and Tumor Labeling Index. Academic Radiology, 2001, 8, 384-391.	2.5	116