

David Bonekamp

List of Publications by Year in descending order

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72
papers

4,946
citations

136950

32
h-index

98798

67
g-index

73
all docs

73
docs citations

73
times ranked

7808
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiomic Profiling of Glioblastoma: Identifying an Imaging Predictor of Patient Survival with Improved Performance over Established Clinical and Radiologic Risk Models. <i>Radiology</i> , 2016, 280, 880-889.	7.3	345
2	Automated brain extraction of multisequence MRI using artificial neural networks. <i>Human Brain Mapping</i> , 2019, 40, 4952-4964.	3.6	284
3	Automated quantitative tumour response assessment of MRI in neuro-oncology with artificial neural networks: a multicentre, retrospective study. <i>Lancet Oncology</i> , The, 2019, 20, 728-740.	10.7	271
4	Multiparametric Magnetic Resonance Imaging (MRI) and MRIâ€“Transrectal Ultrasound Fusion Biopsy for Index Tumor Detection: Correlation with Radical Prostatectomy Specimen. <i>European Urology</i> , 2016, 70, 846-853.	1.9	258
5	Diffusion tensor imaging in children and adolescents: Reproducibility, hemispheric, and age-related differences. <i>NeuroImage</i> , 2007, 34, 733-742.	4.2	247
6	Radiogenomics of Glioblastoma: Machine Learningâ€“based Classification of Molecular Characteristics by Using Multiparametric and Multiregional MR Imaging Features. <i>Radiology</i> , 2016, 281, 907-918.	7.3	236
7	Advancements in MR Imaging of the Prostate: From Diagnosis to Interventions. <i>Radiographics</i> , 2011, 31, 677-703.	3.3	215
8	Classification of Cancer at Prostate MRI: Deep Learning versus Clinical PI-RADS Assessment. <i>Radiology</i> , 2019, 293, 607-617.	7.3	214
9	<i>NRG1</i> Fusions in <i>KRAS</i> Wild-Type Pancreatic Cancer. <i>Cancer Discovery</i> , 2018, 8, 1087-1095.	9.4	189
10	Castleman Disease: The Great Mimic. <i>Radiographics</i> , 2011, 31, 1793-1807.	3.3	180
11	The Value of PSA Density in Combination with PI-RADSâ„¢ for the Accuracy of Prostate Cancer Prediction. <i>Journal of Urology</i> , 2017, 198, 575-582.	0.4	179
12	Radiomic subtyping improves disease stratification beyond key molecular, clinical, and standard imaging characteristics in patients with glioblastoma. <i>Neuro-Oncology</i> , 2018, 20, 848-857.	1.2	170
13	Radiomic Machine Learning for Characterization of Prostate Lesions with MRI: Comparison to ADC Values. <i>Radiology</i> , 2018, 289, 128-137.	7.3	162
14	Combined Clinical Parameters and Multiparametric Magnetic Resonance Imaging for Advanced Risk Modeling of Prostate Cancerâ€“Patient-tailored Risk Stratification Can Reduce Unnecessary Biopsies. <i>European Urology</i> , 2017, 72, 888-896.	1.9	136
15	Local recurrence of prostate cancer after radical prostatectomy is at risk to be missed in ⁶⁸ Ga-PSMA-11-PET of PET/CT and PET/MRI: comparison with mpMRI integrated in simultaneous PET/MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 776-787.	6.4	124
16	High-dose methotrexate with or without rituximab in newly diagnosed primary CNS lymphoma. <i>Neurology</i> , 2014, 83, 235-239.	1.1	120
17	Prediction of malignancy by a radiomic signature from contrast agentâ€“free diffusion MRI in suspicious breast lesions found on screening mammography.. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 604-616.	3.4	113
18	Multicentre evaluation of magnetic resonance imaging supported transperineal prostate biopsy in biopsyâ€“naïve men with suspicion of prostate cancer. <i>BJU International</i> , 2018, 122, 40-49.	2.5	108

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19	Multicentre evaluation of targeted and systematic biopsies using magnetic resonance and ultrasound imageâ€fusion guided transperineal prostate biopsy in patients with a previous negative biopsy. <i>BJU International</i> , 2017, 120, 631-638.	2.5	104
20	Radiomics Based on Adapted Diffusion Kurtosis Imaging Helps to Clarify Most Mammographic Findings Suspicious for Cancer. <i>Radiology</i> , 2018, 287, 761-770.	7.3	81
21	T1ï-weighted Dynamic Glucose-enhanced MR Imaging in the Human Brain. <i>Radiology</i> , 2017, 285, 914-922.	7.3	72
22	Adiabatically prepared spinâ€lock approach for T1ï-based dynamic glucose enhanced MRI at ultrahigh fields. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 215-225.	3.0	71
23	Defective homologous recombination DNA repair as therapeutic target in advanced chordoma. <i>Nature Communications</i> , 2019, 10, 1635.	12.8	64
24	Interobserver agreement of semi-automated and manual measurements of functional MRI metrics of treatment response in hepatocellular carcinoma. <i>European Journal of Radiology</i> , 2014, 83, 487-496.	2.6	63
25	Association of overall survival in patients with newly diagnosed glioblastoma with contrast-enhanced perfusion MRI: Comparison of intraindividually matched T₁- and T₂[*]-based bolus techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 87-96.	3.4	61
26	Integration of genomics and histology revises diagnosis and enables effective therapy of refractory cancer of unknown primary with <i>PDL1</i> amplification. <i>Journal of Physical Education and Sports Management</i> , 2016, 2, a001180.	1.2	57
27	Potential of quantitative susceptibility mapping for detection of prostatic calcifications. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 889-898.	3.4	54
28	MR Perfusionâ€derived Hemodynamic Parametric Response Mapping of Bevacizumab Efficacy in Recurrent Glioblastoma. <i>Radiology</i> , 2016, 279, 542-552.	7.3	51
29	Magnetic Resonance Imaging-Guided Transurethral Ultrasound Ablation of Prostate Cancer. <i>Journal of Urology</i> , 2021, 205, 769-779.	0.4	45
30	Detection of Significant Prostate Cancer Using Target Saturation in Transperineal Magnetic Resonance Imaging/Transrectal Ultrasonographyâ€fusion Biopsy. <i>European Urology Focus</i> , 2021, 7, 1300-1307.	3.1	44
31	Combined Clinical Parameters and Multiparametric Magnetic Resonance Imaging for the Prediction of Extraprostatic Diseaseâ€A Risk Model for Patient-tailored Risk Stratification When Planning Radical Prostatectomy. <i>European Urology Focus</i> , 2020, 6, 1205-1212.	3.1	39
32	Clinical parameters outweigh diffusion- and perfusion-derived MRI parameters in predicting survival in newly diagnosed glioblastoma. <i>Neuro-Oncology</i> , 2016, 18, 1673-1679.	1.2	36
33	Voxel-wise radiogenomic mapping of tumor location with key molecular alterations in patients with glioma. <i>Neuro-Oncology</i> , 2018, 20, 1517-1524.	1.2	36
34	The Value of Prostate-specific Antigen Density for Prostate Imaging-Reporting and Data System 3 Lesions on Multiparametric Magnetic Resonance Imaging: A Strategy to Avoid Unnecessary Prostate Biopsies. <i>European Urology Focus</i> , 2021, 7, 325-331.	3.1	34
35	Simultaneous whole-body 18Fâ€PSMA-1007-PET/MRI with integrated high-resolution multiparametric imaging of the prostatic fossa for comprehensive oncological staging of patients with prostate cancer: a pilot study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 340-347.	6.4	32
36	Quantitative SENSE-MRSI of the human brain. <i>Magnetic Resonance Imaging</i> , 2010, 28, 305-313.	1.8	30

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37	Standardized Magnetic Resonance Imaging Reporting Using the Prostate Cancer Radiological Estimation of Change in Sequential Evaluation Criteria and Magnetic Resonance Imaging/Transrectal Ultrasound Fusion with Transperineal Saturation Biopsy to Select Men on Active Surveillance. <i>European Urology Focus</i> , 2021, 7, 102-110.	3.1	28
38	Correlation between genomic index lesions and mpMRI and 68Ga-PSMA-PET/CT imaging features in primary prostate cancer. <i>Scientific Reports</i> , 2018, 8, 16708.	3.3	27
39	Twelve-month prostate volume reduction after MRI-guided transurethral ultrasound ablation of the prostate. <i>European Radiology</i> , 2019, 29, 299-308.	4.5	27
40	Fully Automatic Deep Learning in Bi-institutional Prostate Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2021, 56, 799-808.	6.2	27
41	Histopathological to multiparametric MRI spatial mapping of extended systematic sextant and MR/TRUS-fusion-targeted biopsy of the prostate. <i>European Radiology</i> , 2019, 29, 1820-1830.	4.5	24
42	Simulated clinical deployment of fully automatic deep learning for clinical prostate MRI assessment. <i>European Radiology</i> , 2021, 31, 302-313.	4.5	24
43	Repeatability and Reproducibility of ADC Measurements and MRI Signal Intensity Measurements of Bone Marrow in Monoclonal Plasma Cell Disorders. <i>Investigative Radiology</i> , 2022, 57, 272-281.	6.2	22
44	Susceptibility-based analysis of dynamic gadolinium bolus perfusion MRI. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 544-554.	3.0	19
45	Improvement of PI-RADS-dependent prostate cancer classification by quantitative image assessment using radiomics or mean ADC. <i>Magnetic Resonance Imaging</i> , 2021, 82, 9-17.	1.8	19
46	Transcriptome Wide Analysis of Magnetic Resonance Imaging-targeted Biopsy and Matching Surgical Specimens from High-risk Prostate Cancer Patients Treated with Radical Prostatectomy: The Target Must Be Hit. <i>European Urology Focus</i> , 2018, 4, 540-546.	3.1	18
47	Comparison of Prostate MRI Lesion Segmentation Agreement Between Multiple Radiologists and a Fully Automatic Deep Learning System. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2021, 193, 559-573.	1.3	18
48	Automated volumetric assessment with artificial neural networks might enable a more accurate assessment of disease burden in patients with multiple sclerosis. <i>European Radiology</i> , 2020, 30, 2356-2364.	4.5	16
49	Improved detection of melanoma metastases by iodine maps from dual energy CT. <i>European Journal of Radiology</i> , 2017, 90, 27-33.	2.6	14
50	Multiparametric MRI fusion-guided biopsy for the diagnosis of prostate cancer. <i>Current Opinion in Urology</i> , 2018, 28, 172-177.	1.8	13
51	Prediction of significant prostate cancer in biopsy-naïve men: Validation of a novel risk model combining MRI and clinical parameters and comparison to an ERSPC risk calculator and PI-RADS. <i>PLoS ONE</i> , 2019, 14, e0221350.	2.5	13
52	Magnetic resonance imaging-guided transurethral ultrasound ablation in patients with localised prostate cancer: 3-year outcomes of a prospective Phase I study. <i>BJU International</i> , 2021, 127, 544-552.	2.5	13
53	Fast method for brain image segmentation: Application to proton magnetic resonance spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1268-1272.	3.0	12
54	Dynamic contrast enhanced MRI monitoring of primary proton and carbon ion irradiation of prostate cancer using a novel hypofractionated raster scan technique. <i>Radiotherapy and Oncology</i> , 2016, 120, 313-319.	0.6	10

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55	Measured Multipoint Ultra-High b-Value Diffusion MRI in the Assessment of MRI-Detected Prostate Lesions. <i>Investigative Radiology</i> , 2021, 56, 94-102.	6.2	9
56	Mask-Adapted Background Field Removal for Artifact Reduction in Quantitative Susceptibility Mapping of the Prostate. <i>Tomography</i> , 2017, 3, 96-100.	1.8	9
57	Early Detection of Malignant Transformation in Resected WHO II Low-Grade Glioma Using Diffusion Tensor-Derived Quantitative Measures. <i>PLoS ONE</i> , 2016, 11, e0164679.	2.5	8
58	Diffusion-weighted MRI treatment monitoring of primary hypofractionated proton and carbon ion prostate cancer irradiation using raster scan technique. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 850-860.	3.4	8
59	Imaging of prostate cancer. <i>Deutsches A&#x0308;rztblatt International</i> , 2021, , .	0.9	8
60	Three-dimensional Magnetic Resonance Imaging-based Printed Models of Prostate Anatomy and Targeted Biopsy-proven Index Tumor to Facilitate Patient-tailored Radical Prostatectomy—a Feasibility Study. <i>European Urology Oncology</i> , 2022, 5, 357-361.	5.4	7
61	Comparison of single-scanner single-protocol quantitative ADC measurements to ADC ratios to detect clinically significant prostate cancer. <i>European Journal of Radiology</i> , 2021, 136, 109538.	2.6	7
62	Pseudoprospective Paraclinical Interaction of Radiology Residents With a Deep Learning System for Prostate Cancer Detection. <i>Investigative Radiology</i> , 2022, Publish Ahead of Print, .	6.2	6
63	Multiparametric MRI and MRI/TRUS Fusion Guided Biopsy for the Diagnosis of Prostate Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1096, 87-98.	1.6	3
64	Impact of Surgeon's Experience in Rigid Versus Elastic MRI/TRUS-Fusion Biopsy to Detect Significant Prostate Cancer Using Targeted and Systematic Cores. <i>Cancers</i> , 2022, 14, 886.	3.7	3
65	Potential of quantitative susceptibility mapping for detection of prostatic calcifications. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, spcone.	3.4	2
66	Reply by Authors. <i>Journal of Urology</i> , 2021, 205, 779-779.	0.4	1
67	Maki effect. , 0, , 168-170.		0
68	Gibbs ringing artifact. , 0, , 154-158.		0
69	Inappropriate inversion time selection for late gadolinium enhancement imaging. , 0, , 146-149.		0
70	Pseudostenosis on time-of-flight magnetic resonance angiography. , 0, , 165-167.		0
71	Single-Center Evaluation of Treatment Success Using Two Different Protocols for MRI-Guided Transurethral Ultrasound Ablation of Localized Prostate Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 782546.	2.8	0
72	Quantitative Analysis of DCE and DSC-MRI: From Kinetic Modeling to Deep Learning. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2022, , .	1.3	0