

Konstantin Nikolaou

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.

140 papers	1,961 citations	23 h-index	37 g-index
154 ext. papers	2,609 ext. citations	4.8 avg, IF	4.9 L-index

#	Paper	IF	Citations
140	Population-based cohort imaging: skeletal muscle mass by magnetic resonance imaging in correlation to bioelectrical-impedance analysis.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022 ,	10.3	1
139	"Evaluation of an elective ultrasound course for medical students".. <i>Clinical Anatomy</i> , 2022 ,	2.5	1
138	Dose escalation to hypoxic subvolumes in head and neck cancer: A randomized phase II study using dynamic [F]FMISO PET/CT.. <i>Radiotherapy and Oncology</i> , 2022 ,	5.3	3
137	Impact of PET/CT on management of patients with esophageal cancer - results from a PET/CT registry study. <i>European Journal of Radiology</i> , 2021 , 136, 109524	4.7	2
136	Prospective Image Quality and Lesion Assessment in the Setting of MR-Guided Radiation Therapy of Prostate Cancer on an MR-Linac at 1.5 T: A Comparison to a Standard 3 T MRI. <i>Cancers</i> , 2021 , 13,	6.6	1
135	Association between cardiovascular risk factors and degenerative disc disease of the thoracolumbar spine in the general population: results from the KORA MRI Study. <i>Acta Radiologica</i> , 2021 , 2841851211010391	2	1
134	Prevalence of pathological FFR values without coronary artery stenosis in an asymptomatic marathon runner cohort. <i>European Radiology</i> , 2021 , 31, 8975-8982	8	0
133	Distribution patterns of intramyocellular and extramyocellular fat by magnetic resonance imaging in subjects with diabetes, prediabetes and normoglycaemic controls. <i>Diabetes, Obesity and Metabolism</i> , 2021 , 23, 1868-1878	6.7	4
132	Development and Evaluation of Deep Learning-Accelerated Single-Breath-Hold Abdominal HASTE at 3 T Using Variable Refocusing Flip Angles. <i>Investigative Radiology</i> , 2021 , 56, 645-652	10.1	3
131	Intravascular Application of Labelled Cell Spheroids: An Approach for Ischemic Peripheral Artery Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
130	Correlation between thoracolumbar disc degeneration and anatomical spinopelvic parameters in supine position on MRI. <i>PLoS ONE</i> , 2021 , 16, e0252385	3.7	0
129	Noninvasive, longitudinal imaging-based analysis of body adipose tissue and water composition in a melanoma mouse model and in immune checkpoint inhibitor-treated metastatic melanoma patients. <i>Cancer Immunology, Immunotherapy</i> , 2021 , 70, 1263-1275	7.4	1
128	MRI-guided percutaneous thermoablation as first-line treatment of recurrent hepatic malignancies following hepatic resection: single center long-term experience. <i>International Journal of Hyperthermia</i> , 2021 , 38, 1401-1408	3.7	
127	Intraprocedural cone-beam CT with parenchymal blood volume assessment for transarterial chemoembolization guidance: Impact on the effectiveness of the individual TACE sessions compared to DSA guidance alone. <i>European Journal of Radiology</i> , 2021 , 140, 109768	4.7	1
126	1.5 vs 3 Tesla Magnetic Resonance Imaging: A Review of Favorite Clinical Applications for Both Field Strengths-Part 2. <i>Investigative Radiology</i> , 2021 , 56, 692-704	10.1	1
125	Robotic Transrectal Computed Tomographic Ultrasound with Artificial Neural Network Analysis: First Validation and Comparison with MRI-Guided Biopsies and Radical Prostatectomy. <i>Urologia Internationalis</i> , 2021 , 1-7	1.9	1
124	Targeting extracellular and juxtamembrane FGFR2 mutations in chemotherapy-refractory cholangiocarcinoma. <i>Npj Precision Oncology</i> , 2021 , 5, 80	9.8	0

123	Contrast-enhanced MRI for simultaneous evaluation of renal morphology and split renal function in living kidney donor candidates. <i>European Journal of Radiology</i> , 2021 , 142, 109864	4.7	0
122	A novel approach for radiotherapy dose escalation in rectal cancer using online MR-guidance and rectal ultrasound gel filling - Rationale and first in human. <i>Radiotherapy and Oncology</i> , 2021 , 164, 37-42	5.3	1
121	AI Lung Segmentation and Perfusion Analysis of Dual-Energy CT Can Help to Distinguish COVID-19 Infiltrates from Visually Similar Immunotherapy-Related Pneumonitis Findings and Can Optimize Radiological Workflows.. <i>Tomography</i> , 2021 , 8, 22-32	3.1	1
120	Long-term effect of physical inactivity on thoracic and lumbar disc degeneration-an MRI-based analysis of 385 individuals from the general population. <i>Spine Journal</i> , 2020 , 20, 1386-1396	4	8
119	Association between metabolic syndrome and hip osteoarthritis in middle-aged men and women from the general population. <i>PLoS ONE</i> , 2020 , 15, e0230185	3.7	2
118	Influence of F-FDG PET/CT on clinical management and outcome in patients with advanced melanoma not primarily selected for surgery based on a linked evidence approach. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020 , 47, 2313-2321	8.8	1
117	Predictive performance of the mHAP-II score in a real-life western cohort with hepatocellular carcinoma following trans-arterial chemoembolisation with drug-eluting beads (DEB-TACE). <i>European Radiology</i> , 2020 , 30, 3782-3792	8	6
116	Performance of two Methods for Cardiac MRI Edema Mapping: Dual-Contrast Fast Spin-Echo and T2 Prepared Balanced Steady State Free Precession. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020 , 192, 669-677	2.3	1
115	The Anatomy of the Tibial Nutrient Artery Canal-An Investigation of 106 Patients Using Multi-Detector Computed Tomography. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	3
114	Fully Automated and Standardized Segmentation of Adipose Tissue Compartments via Deep Learning in 3D Whole-Body MRI of Epidemiologic Cohort Studies. <i>Radiology: Artificial Intelligence</i> , 2020 , 2, e200010	8.7	11
113	MedGAN: Medical image translation using GANs. <i>Computerized Medical Imaging and Graphics</i> , 2020 , 79, 101684	7.6	133
112	Treatment outcome after radiochemotherapy in anal cancer patients staged with F-FDG-PET-CT. <i>Clinical and Translational Radiation Oncology</i> , 2020 , 24, 83-87	4.6	0
111	Retroperitoneal Fibrosis and its Differential Diagnoses: The Role of Radiological Imaging. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2020 , 192, 929-936	2.3	4
110	Living-Donor Uterus Transplantation: Pre-, Intra-, and Postoperative Parameters Relevant to Surgical Success, Pregnancy, and Obstetrics with Live Births. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	22
109	Injury of the Tibial Nutrient Artery Canal during External Fixation for Lower Extremity Fractures: A Computed Tomography Study. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	5
108	Is there a link between very early changes of primary and secondary lymphoid organs in F-FDG-PET/MRI and treatment response to checkpoint inhibitor therapy? 2020 , 8,		7
107	Ga-PSMA-PET/CT-directed IGRT/SBRT for oligometastases of recurrent prostate cancer after initial surgery. <i>Acta Oncologica</i> , 2020 , 59, 149-156	3.2	5
106	MR-guided microwave ablation in hepatic malignancies: clinical experiences from 50 procedures. <i>International Journal of Hyperthermia</i> , 2020 , 37, 349-355	3.7	9

105	Correlation of C-arm CT acquired parenchymal blood volume (PBV) with 99mTc-macroaggregated albumin (MAA) SPECT/CT for radioembolization work-up 2020 , 15, e0244235		
104	Correlation of C-arm CT acquired parenchymal blood volume (PBV) with 99mTc-macroaggregated albumin (MAA) SPECT/CT for radioembolization work-up 2020 , 15, e0244235		
103	Correlation of C-arm CT acquired parenchymal blood volume (PBV) with 99mTc-macroaggregated albumin (MAA) SPECT/CT for radioembolization work-up 2020 , 15, e0244235		
102	Correlation of C-arm CT acquired parenchymal blood volume (PBV) with 99mTc-macroaggregated albumin (MAA) SPECT/CT for radioembolization work-up 2020 , 15, e0244235		
101	Prospective Evaluation of a Tumor Control Probability Model Based on Dynamic F-FMISO PET for Head and Neck Cancer Radiotherapy. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 1698-1704	8.9	22
100	Intention-to-Treat Analysis of Ga-PSMA and C-Choline PET/CT Versus CT for Prostate Cancer Recurrence After Surgery. <i>Journal of Nuclear Medicine</i> , 2019 , 60, 1359-1365	8.9	18
99	Retrospective Correction Of Rigid And Non-Rigid MR Motion Artifacts Using Gans 2019 ,		13
98	Baseline clinical and imaging predictors of treatment response and overall survival of patients with metastatic melanoma undergoing immunotherapy. <i>European Journal of Radiology</i> , 2019 , 121, 108688	4.7	10
97	Comprehensive metabolic and morphologic disease characterization in systemic sclerosis: initial results using combined positron emission tomography and magnetic resonance imaging. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 63, 207-215	1.4	1
96	Multi-phase coronary magnetic resonance angiography improves delineation of coronary arteries. <i>Acta Radiologica</i> , 2019 , 60, 1422-1429	2	2
95	Impact of diverse chemotherapeutic agents and external factors on activation of brown adipose tissue in a large patient collective. <i>Scientific Reports</i> , 2019 , 9, 1901	4.9	4
94	Screening and evaluation of potential recipients and donors for living donor uterus transplantation: results from a single-center observational study. <i>Fertility and Sterility</i> , 2019 , 111, 186-193	4.8	15
93	Dose Optimization of Perfusion-derived Response Assessment in Hepatocellular Carcinoma Treated with Transarterial Chemoembolization: Comparison of Volume Perfusion CT and Iodine Concentration. <i>Academic Radiology</i> , 2019 , 26, 1154-1163	4.3	3
92	Effects of Radiation Dose Reduction on Diagnostic Accuracy of Abdominal CT in Young Adults with Suspected Acute Diverticulitis: A Retrospective Intraindividual Analysis. <i>Academic Radiology</i> , 2019 , 26, 782-790	4.3	2
91	Practice-based evidence for the clinical benefit of PET/CT-results of the first oncologic PET/CT registry in Germany. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019 , 46, 54-64	8.8	17
90	Precision of T2 TSE MRI-CT-image fusions based on gold fiducials and repetitive T2 TSE MRI-MRI-fusions for adaptive IGRT of prostate cancer by using phantom and patient data. <i>Acta Oncologica</i> , 2019 , 58, 88-94	3.2	8
89	Inter- and intra-observer variability of an anatomical landmark-based, manual segmentation method by MRI for the assessment of skeletal muscle fat content and area in subjects from the general population. <i>British Journal of Radiology</i> , 2018 , 91, 20180019	3.4	9
88	Diagnostic performance of different perfusion algorithms for the detection of angiographical spasm. <i>Journal of Neuroradiology</i> , 2018 , 45, 290-294	3.1	1

87	Diagnostic Accuracy of Simulated Low-Dose Perfusion CT to Detect Cerebral Perfusion Impairment after Aneurysmal Subarachnoid Hemorrhage: A Retrospective Analysis. <i>Radiology</i> , 2018 , 287, 643-650	20.5	10
86	Mid-term development of the right ventricle in competitive athletes. <i>Acta Radiologica</i> , 2018 , 59, 1422-1430		2
85	Hybrid cardiac imaging using PET/MRI: a joint position statement by the European Society of Cardiovascular Radiology (ESCR) and the European Association of Nuclear Medicine (EANM). <i>European Radiology</i> , 2018 , 28, 4086-4101	8	48
84	Applicability and accuracy of pretest probability calculations implemented in the NICE clinical guideline for decision making about imaging in patients with chest pain of recent onset. <i>European Radiology</i> , 2018 , 28, 4006-4017	8	1
83	Clinical use of cardiac PET/MRI: current state-of-the-art and potential future applications. <i>Japanese Journal of Radiology</i> , 2018 , 36, 313-323	2.9	14
82	Evaluation of reduced-dose CT for acute non-traumatic abdominal pain: evaluation of diagnostic accuracy in comparison to standard-dose CT. <i>Acta Radiologica</i> , 2018 , 59, 4-12	2	11
81	Self-gated 4D-MRI of the liver: Initial clinical results of continuous multiphase imaging of hepatic enhancement. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 47, 459-467	5.6	11
80	Myocardial tissue characterization by contrast-enhanced cardiac magnetic resonance imaging in subjects with prediabetes, diabetes, and normal controls with preserved ejection fraction from the general population. <i>European Heart Journal Cardiovascular Imaging</i> , 2018 , 19, 701-708	4.1	21
79	Contrast-enhanced spectral mammography in patients with MRI contraindications. <i>Acta Radiologica</i> , 2018 , 59, 798-805	2	24
78	Automated reference-free detection of motion artifacts in magnetic resonance images. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018 , 31, 243-256	2.8	42
77	¹⁸ F-FDG-PET detects complete response to PD1-therapy in melanoma patients two weeks after therapy start. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 95-101	8.8	40
76	Voxelwise computed diffusion-weighted imaging for the detection of cytotoxic oedema in brain imaging: a pilot study. <i>Neuroradiology Journal</i> , 2018 , 31, 518-522	2	1
75	A machine-learning framework for automatic reference-free quality assessment in MRI. <i>Magnetic Resonance Imaging</i> , 2018 , 53, 134-147	3.3	28
74	Image quality of arterial phase and parenchymal blood volume (PBV) maps derived from C-arm computed tomography in the evaluation of transarterial chemoembolization. <i>Cancer Imaging</i> , 2018 , 18, 16	5.6	1
73	Assessment of image quality of a radiotherapy-specific hardware solution for PET/MRI in head and neck cancer patients. <i>Radiotherapy and Oncology</i> , 2018 , 128, 485-491	5.3	20
72	Correlation of Brown Adipose Tissue with Other Body Fat Compartments and Patient Characteristics: A Retrospective Analysis in a Large Patient Cohort Using PET/CT. <i>Academic Radiology</i> , 2018 , 25, 102-110	4.3	41
71	In vitro artifact assessment of an MR-compatible, microwave antenna device for percutaneous tumor ablation with fluoroscopic MRI-sequences. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2018 , 27, 60-68	2.1	1
70	Impact of Radiation Dose Reduction in Abdominal Computed Tomography on Diagnostic Accuracy and Diagnostic Performance in Patients with Suspected Appendicitis: An Intraindividual Comparison. <i>Academic Radiology</i> , 2018 , 25, 309-316	4.3	5

69	Targeted vs systematic robot-assisted transperineal magnetic resonance imaging-transrectal ultrasonography fusion prostate biopsy. <i>BJU International</i> , 2018 , 121, 791-798	5.6	18
68	Relative survival potential of platelets is associated with platelet CXCR4/CXCR7 surface exposure and functional recovery following STEMI. <i>Atherosclerosis</i> , 2018 , 278, 269-277	3.1	9
67	Assessment of the degree of abdominal myosteatosis by magnetic resonance imaging in subjects with diabetes, prediabetes and healthy controls from the general population. <i>European Journal of Radiology</i> , 2018 , 105, 261-268	4.7	9
66	Prediction of Non-sentinel Lymph Node Metastases After Positive Sentinel Lymph Nodes Using Nomograms. <i>Anticancer Research</i> , 2018 , 38, 4047-4056	2.3	2
65	Fast non-enhanced abdominal examination protocols in PET/MRI for patients with neuroendocrine tumors (NET): comparison to multiphase contrast-enhanced PET/CT. <i>Radiologia Medica</i> , 2018 , 123, 860-870	6.5	20
64	Low-Dose Volume-Perfusion CT of the Brain: Effects of Radiation Dose Reduction on Performance of Perfusion CT Algorithms. <i>Clinical Neuroradiology</i> , 2017 , 27, 311-318	2.7	6
63	Impact of iterative metal artifact reduction on diagnostic image quality in patients with dental hardware. <i>Acta Radiologica</i> , 2017 , 58, 279-285	2	28
62	Monitoring Disease Activity in Patients with Aortitis and Chronic Periaortitis Undergoing Immunosuppressive Therapy by Perfusion CT. <i>Academic Radiology</i> , 2017 , 24, 470-477	4.3	1
61	Feasibility of accelerated simultaneous multislice diffusion-weighted MRI of the prostate. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 1507-1515	5.6	14
60	Prognostic value of dynamic hypoxia PET in head and neck cancer: Results from a planned interim analysis of a randomized phase II hypoxia-image guided dose escalation trial. <i>Radiotherapy and Oncology</i> , 2017 , 124, 526-532	5.3	84
59	Simulation of Tracer Dose Reduction in F-FDG PET/MRI: Effects on Oncologic Reading, Image Quality, and Artifacts. <i>Journal of Nuclear Medicine</i> , 2017 , 58, 1699-1705	8.9	16
58	Noise-optimized monoenergetic post-processing improves visualization of incidental pulmonary embolism in cancer patients undergoing single-pass dual-energy computed tomography. <i>Radiologia Medica</i> , 2017 , 122, 280-287	6.5	12
57	Cardiac MRI left ventricular global function index and quantitative late gadolinium enhancement in unrecognized myocardial infarction. <i>European Journal of Radiology</i> , 2017 , 92, 11-16	4.7	5
56	Feasibility of low-dose digital pulsed video-fluoroscopic swallow exams (VFSE): effects on radiation dose and image quality. <i>Acta Radiologica</i> , 2017 , 58, 1037-1044	2	1
55	Preclinical evaluation of an MR-compatible microwave ablation system and comparison with a standard microwave ablation system in an ex vivo bovine liver model. <i>International Journal of Hyperthermia</i> , 2017 , 33, 617-623	3.7	3
54	Impact of F-FDG-PET/CT on surgical management in patients with advanced melanoma: an outcome based analysis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 1312-1318	8.8	19
53	The evolution of radiation dose over time: Measurement of a patient cohort undergoing whole-body examinations on three computer tomography generations. <i>European Journal of Radiology</i> , 2017 , 86, 63-69	4.7	9
52	Distortion correction of diffusion-weighted magnetic resonance imaging of the head and neck in radiotherapy position. <i>Acta Oncologica</i> , 2017 , 56, 1659-1663	3.2	7

51	Pancreatic fat content by magnetic resonance imaging in subjects with prediabetes, diabetes, and controls from a general population without cardiovascular disease. <i>PLoS ONE</i> , 2017 , 12, e0177154	3.7	32
50	Effect of reduced z-axis scan coverage on diagnostic performance and radiation dose of neck computed tomography in patients with suspected cervical abscess. <i>PLoS ONE</i> , 2017 , 12, e0180671	3.7	8
49	Overlap of highly FDG-avid and FMISO hypoxic tumor subvolumes in patients with head and neck cancer. <i>Acta Oncologica</i> , 2017 , 56, 1577-1582	3.2	14
48	Geometric analysis of loco-regional recurrences in relation to pre-treatment hypoxia in patients with head and neck cancer. <i>Acta Oncologica</i> , 2017 , 56, 1571-1576	3.2	17
47	Cardiac CT for Guiding Mitral Valve Interventions. <i>Current Cardiovascular Imaging Reports</i> , 2017 , 10, 1	0.7	4
46	Multiparametric imaging for detection and characterization of hepatocellular carcinoma using gadoxetic acid-enhanced MRI and perfusion-CT: which parameters work best?. <i>Cancer Imaging</i> , 2017 , 17, 18	5.6	6
45	Imaging characteristics of cardiac metastases in patients with malignant melanoma. <i>Cancer Imaging</i> , 2017 , 17, 19	5.6	8
44	Diagnostic accuracy of different magnetic resonance imaging sequences for detecting local tumor progression after radiofrequency ablation of hepatic malignancies. <i>European Journal of Radiology</i> , 2017 , 94, 85-92	4.7	3
43	First report of robot-assisted transperineal fusion versus off-target biopsy in patients undergoing repeat prostate biopsy. <i>World Journal of Urology</i> , 2017 , 35, 1023-1029	4	13
42	Imaging of gastrointestinal melanoma metastases: Correlation with surgery and histopathology of resected specimen. <i>European Radiology</i> , 2017 , 27, 2538-2545	8	6
41	Diffusion-weighted echo planar MR imaging of the neck at 3T using integrated shimming: comparison of MR sequence techniques for reducing artifacts caused by magnetic-field inhomogeneities. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2017 , 30, 57-63	2.8	12
40	Comparison of Ga-labelled PSMA-11 and C-choline in the detection of prostate cancer metastases by PET/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 92-101	8.8	191
39	Feasibility of self-gated isotropic radial late-phase MR imaging of the liver. <i>European Radiology</i> , 2017 , 27, 985-994	8	12
38	SUV-quantification of physiological lung tissue in an integrated PET/MR-system: Impact of lung density and bone tissue. <i>PLoS ONE</i> , 2017 , 12, e0177856	3.7	8
37	Prediction of Postoperative Risks in Laparoscopic Partial Nephrectomy Using RENAL, Mayo Adhesive Probability and Renal Pelvic Score. <i>Anticancer Research</i> , 2017 , 37, 1369-1373	2.3	14
36	Assessment of metastatic colorectal cancer with hybrid imaging: comparison of reading performance using different combinations of anatomical and functional imaging techniques in PET/MRI and PET/CT in a short case series. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 44, 182-188	8.8	61
35	In vitro artefact assessment of a new MR-compatible microwave antenna and a standard MR-compatible radiofrequency ablation electrode for tumour ablation. <i>European Radiology</i> , 2016 , 26, 771-9	8	12
34	Impact of endobronchial coiling on segmental bronchial lumen in treated and untreated lung lobes: Correlation with changes in lung volume, clinical and pulmonary function tests. <i>European Radiology</i> , 2016 , 26, 2176-83	8	10

33	Cardiovascular magnetic resonance patterns of biopsy proven cardiac involvement in systemic sclerosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016 , 18, 70	6.9	26
32	Spinal dual-energy computed tomography: improved visualisation of spinal tumorous growth with a noise-optimised advanced monoenergetic post-processing algorithm. <i>Neuroradiology</i> , 2016 , 58, 1093-1102	3.2	8
31	Quantitative chest CT analysis in patients with systemic sclerosis before and after autologous stem cell transplantation: comparison of results with those of pulmonary function tests and clinical tests. <i>Rheumatology</i> , 2016 , 55, 1763-70	3.9	17
30	Signal decay mapping of myocardial edema using dual-contrast fast spin-echo MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 44, 186-93	5.6	7
29	Iodine concentration as a perfusion surrogate marker in oncology: Further elucidation of the underlying mechanisms using Volume Perfusion CT with 80 kVp. <i>European Radiology</i> , 2016 , 26, 2929-36	8	33
28	Assessment of the parenchymal blood volume by C-arm computed tomography for radioembolization dosimetry. <i>European Journal of Radiology</i> , 2016 , 85, 1525-31	4.7	3
27	Impact of image denoising on image quality, quantitative parameters and sensitivity of ultra-low-dose volume perfusion CT imaging. <i>European Radiology</i> , 2016 , 26, 167-74	8	13
26	Comparison of different population-averaged arterial-input-functions in dynamic contrast-enhanced MRI of the prostate: Effects on pharmacokinetic parameters and their diagnostic performance. <i>Magnetic Resonance Imaging</i> , 2016 , 34, 496-501	3.3	14
25	Radiation dose reduction in perfusion CT imaging of the brain: A review of the literature. <i>Journal of Neuroradiology</i> , 2016 , 43, 1-5	3.1	26
24	Prostate cancer gene 3 (PCA3) is of additional predictive value in patients with PI-RADS grade III (intermediate) lesions in the MR-guided re-biopsy setting for prostate cancer. <i>World Journal of Urology</i> , 2016 , 34, 509-15	4	26
23	Is It Possible to Detect Activated Brown Adipose Tissue in Humans Using Single-Time-Point Infrared Thermography under Thermoneutral Conditions? Impact of BMI and Subcutaneous Adipose Tissue Thickness. <i>PLoS ONE</i> , 2016 , 11, e0151152	3.7	39
22	Correlation between positron emission tomography and Cerenkov luminescence imaging in vivo and ex vivo using ⁶⁴ Cu-labeled antibodies in a neuroblastoma mouse model. <i>Oncotarget</i> , 2016 , 7, 67403-67411	3.3	19
21	Correlation of magnetic resonance signal characteristics and perfusion parameters assessed by volume perfusion computed tomography in hepatocellular carcinoma: Impact on lesion characterization. <i>World Journal of Radiology</i> , 2016 , 8, 683-92	2.9	
20	Parenchymal Blood Volume Assessed by C-Arm-Based Computed Tomography in Immediate Posttreatment Evaluation of Drug-Eluting Bead Transarterial Chemoembolization in Hepatocellular Carcinoma. <i>Investigative Radiology</i> , 2016 , 51, 121-6	10.1	19
19	C-arm computed tomography and volume perfusion computed tomography (VPCT)-based assessment of blood volume changes in hepatocellular carcinoma in prediction of midterm tumor response to transarterial chemoembolization: a single center retrospective trial. <i>Cancer Imaging</i> , 2016 , 16, 30	5.6	9
18	Three-dimensional C-arm CT-guided transjugular intrahepatic portosystemic shunt placement: Feasibility, technical success and procedural time. <i>European Radiology</i> , 2016 , 26, 4277-4283	8	12
17	Recent Scientific Evidence and Technical Developments in Cardiovascular Computed Tomography. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2016 , 69, 509-14	0.7	2
16	Role of Imaging in Transcatheter Aortic Valve Replacement. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2016 , 18, 59	2.1	10

15	Defining optimal tracer activities in pediatric oncologic whole-body F-FDG-PET/MRI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016 , 43, 2283-2289	8.8	32
14	VEGFR-2 expression in HCC, dysplastic and regenerative liver nodules, and correlation with pre-biopsy Dynamic Contrast Enhanced CT. <i>European Journal of Radiology</i> , 2016 , 85, 2036-2041	4.7	7
13	Decoding Intratumoral Heterogeneity of Breast Cancer by Multiparametric In Vivo Imaging: A Translational Study. <i>Cancer Research</i> , 2016 , 76, 5512-22	10.1	26
12	Reproducibility of VPCT parameters in the normal pancreas: comparison of two different kinetic calculation models. <i>Academic Radiology</i> , 2015 , 22, 1099-105	4.3	8
11	Clinical applications for dual energy CT versus dynamic contrast enhanced CT in oncology. <i>European Journal of Radiology</i> , 2015 , 84, 2368-79	4.7	14
10	Feasibility of free-breathing, GRAPPA-based, real-time cardiac cine assessment of left-ventricular function in cardiovascular patients at 3T. <i>European Journal of Radiology</i> , 2015 , 84, 849-55	4.7	5
9	Combined PET/MRI: Multi-modality Multi-parametric Imaging Is Here: Summary Report of the 4th International Workshop on PET/MR Imaging; February 23-27, 2015, Tübingen, Germany. <i>Molecular Imaging and Biology</i> , 2015 , 17, 595-608	3.8	44
8	Robustness of quantitative hypoxia PET image analysis for predicting local tumor control. <i>Acta Oncologica</i> , 2015 , 54, 1364-9	3.2	18
7	Volume perfusion computed tomography (VPCT)-based evaluation of response to TACE using two different sized drug eluting beads in patients with nonresectable hepatocellular carcinoma: Impact on tumor and liver parenchymal vascularisation. <i>European Journal of Radiology</i> , 2015 , 84, 2548-54	4.7	12
6	Feasibility of CAIPIRINHA-Dixon-TWIST-VIBE for dynamic contrast-enhanced MRI of the prostate. <i>European Journal of Radiology</i> , 2015 , 84, 2110-6	4.7	13
5	PET/MR in Oncology. <i>Current Radiology Reports</i> , 2015 , 3, 1	0.5	
4	Quantitative Assessment of Iron-Labeled Stem-Cell Adhesion at the Vessel Wall in a Vascular Flow Model: Correlation of T2*-Weighted Imaging at 3 T and Histology. <i>Journal of Vascular and Interventional Radiology</i> , 2015 , 26, 1728-34.e1-3	2.4	
3	Is the standard uptake value (SUV) appropriate for quantification in clinical PET imaging? - Variability induced by different SUV measurements and varying reconstruction methods. <i>European Journal of Radiology</i> , 2015 , 84, 158-162	4.7	29
2	Perfusion-based assessment of disease activity in untreated and treated patients with aortitis and chronic periaortitis: correlation with CT morphological, clinical and serological data. <i>British Journal of Radiology</i> , 2015 , 88, 20150526	3.4	4
1	C-arm computed tomography parenchymal blood volume measurement in evaluation of hepatocellular carcinoma before transarterial chemoembolization with drug eluting beads. <i>Cancer Imaging</i> , 2015 , 15, 22	5.6	17