Bernard E Van Beers

List of Publications by Year in descending order

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127 papers

7,140 citations

45 h-index 81 g-index

130 all docs

130 docs citations

130 times ranked

6837 citing authors

#	Article	IF	CITATIONS
1	Magnetic Resonance Elastography for the Noninvasive Staging of Liver Fibrosis. Gastroenterology, 2008, 135, 32-40.	1.3	650
2	Liver fibrosis: non-invasive assessment with MR elastography. NMR in Biomedicine, 2006, 19, 173-179.	2.8	389
3	Liver Fibrosis: Noninvasive Assessment with MR Elastography versus Aspartate Aminotransferase–to-Platelet Ratio Index. Radiology, 2007, 245, 458-466.	7.3	353
4	Primovist, Eovist: What to expect?. Journal of Hepatology, 2012, 57, 421-429.	3.7	343
5	Hepatic Perfusion Parameters in Chronic Liver Disease. American Journal of Roentgenology, 2001, 176, 667-673.	2.2	294
6	Hepatic Flow Parameters Measured with MR Imaging and Doppler US: Correlations with Degree of Cirrhosis and Portal Hypertension. Radiology, 2003, 229, 409-414.	7.3	276
7	Adult Polycystic Liver Disease. Annals of Surgery, 1997, 225, 286-294.	4.2	166
8	New MR imaging criteria with a diffusion-weighted sequence for the diagnosis of hepatocellular carcinoma in chronic liver diseases. Journal of Hepatology, 2011, 55, 126-132.	3.7	160
9	Head-to-Head Comparison of Three-Dimensional Navigator-Gated Magnetic Resonance Imaging and 16-Slice Computed Tomography to Detect Coronary Artery Stenosis in Patients. Journal of the American College of Cardiology, 2005, 46, 92-100.	2.8	137
10	MR elastography of liver tumours: value of viscoelastic properties for tumour characterisation. European Radiology, 2012, 22, 2169-2177.	4.5	136
11	Assessment of diffusionâ€weighted MR imaging in liver fibrosis. Journal of Magnetic Resonance Imaging, 2007, 25, 122-128.	3.4	135
12	Early Detection of Steatohepatitis in Fatty Rat Liver by Using MR Elastography. Radiology, 2009, 253, 90-97.	7. 3	134
13	Glomerular filtration rate: Assessment with dynamic contrast-enhanced MRI and a cortical-compartment model in the rabbit kidney. Journal of Magnetic Resonance Imaging, 2004, 20, 843-849.	3.4	122
14	Liver Fibrosis in Chronic Hepatitis C Virus Infection: Differentiating Minimal from Intermediate Fibrosis with Perfusion CT. Radiology, 2010, 256, 135-142.	7.3	116
15	Liver Segmentation in Living Liver Transplant Donors: Comparison of Semiautomatic and Manual Methods. Radiology, 2005, 234, 171-178.	7.3	107
16	Strategies and technical challenges for imaging oligometastatic disease: Recommendations from the European Organisation for Research and Treatment of Cancer imaging group. European Journal of Cancer, 2018, 91, 153-163.	2.8	107
17	Assessment of portal hypertension and high-risk oesophageal varices with liver and spleen three-dimensional multifrequency MR elastography in liver cirrhosis. European Radiology, 2014, 24, 1394-402.	4.5	103
18	New imaging techniques for liver diseases. Journal of Hepatology, 2015, 62, 690-700.	3.7	100

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19	MR elastography: Principles, guidelines, and terminology. Magnetic Resonance in Medicine, 2021, 85, 2377-2390.	3.0	100
20	Stability of radiomics features in apparent diffusion coefficient maps from a multi-centre test-retest trial. Scientific Reports, 2019, 9, 4800.	3.3	93
21	Capillarization of the sinusoids in liver fibrosis: Noninvasive assessment with contrast-enhanced MRI in the rabbit. Magnetic Resonance in Medicine, 2003, 49, 692-699.	3.0	92
22	Hepatic viscoelastic parameters measured with MR elastography: Correlations with quantitative analysis of liver fibrosis in the rat. Journal of Magnetic Resonance Imaging, 2007, 26, 956-962.	3.4	84
23	Science to Practice: Can We Diagnose Nonalcoholic Steatohepatitis with Intravoxel Incoherent Motion Diffusion-weighted MR Imaging?. Radiology, 2014, 270, 1-2.	7.3	79
24	MR elastography of liver fibrosis: preliminary results comparing spin-echo and echo-planar imaging. European Radiology, 2008, 18, 2535-2541.	4.5	78
25	High- <i>b</i> Value Diffusion-weighted MR Imaging of Benign Hepatocellular Lesions: Quantitative and Qualitative Analysis. Radiology, 2012, 262, 511-519.	7.3	77
26	Rapid acquisition of multifrequency, multislice and multidirectional MR elastography data with a fractionally encoded gradient echo sequence. NMR in Biomedicine, 2013, 26, 1326-1335.	2.8	77
27	Pancreaticopleural Fistula. Chest, 2000, 117, 912-914.	0.8	76
28	Intrahepatic Cholangiocarcinoma: MRI and Pathologic Correlation in 14 Patients. Journal of Computer Assisted Tomography, 1997, 21, 59-65.	0.9	74
29	Non-invasive quantification of liver perfusion with dynamic computed tomography and a dual-input one-compartmental model. Clinical Science, 2000, 99, 517.	4.3	73
30	Prognosis of Ischemic Colitis. American Journal of Roentgenology, 2000, 175, 1151-1154.	2.2	73
31	Benign Hepatocellular Tumors. Journal of Computer Assisted Tomography, 1995, 19, 412-418.	0.9	71
32	Diffusion-weighted MR Imaging for the Regional Characterization of Liver Tumors. Radiology, 2012, 264, 464-472.	7.3	69
33	Apparent diffusion coefficient from magnetic resonance imaging as a biomarker in oncology drug development. European Journal of Cancer, 2012, 48, 425-431.	2.8	68
34	Laparoscopic splenectomy in adults and children: Experience with 31 patients. Surgery, 1996, 119, 384-389.	1.9	67
35	Preoperative assessment of pancreatic tumors using magnetic resonance imaging, endoscopic ultrasonography, positron emission tomography and laparoscopy. Pancreatology, 2005, 5, 553-561.	1.1	65
36	Quantification of hepatic steatosis with ultrasound: promising role of attenuation imaging coefficient in a biopsy-proven cohort. European Radiology, 2020, 30, 2293-2301.	4.5	65

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37	The "inside approach of the gallbladder―is an alternative to the classic Calot's triangle dissection for a safe operation in severe cholecystitis. Surgical Endoscopy and Other Interventional Techniques, 2010, 24, 2626-2632.	2.4	55
38	Colon Tumor Growth and Antivascular Treatment in Mice: Complementary Assessment with MR Elastography and Diffusion-weighted MR Imaging. Radiology, 2012, 264, 436-444.	7.3	55
39	Inflow correction of hepatic perfusion measurements usingT1-weighted, fast gradient-echo, contrast-enhanced MRI. Magnetic Resonance in Medicine, 2004, 51, 710-717.	3.0	54
40	Determination of Malignancy and Characterization of Hepatic Tumor Type With Diffusion-Weighted Magnetic Resonance Imaging. Investigative Radiology, 2013, 48, 722-728.	6.2	54
41	Quantification of the triglyceride fatty acid composition with 3.0 T MRI. NMR in Biomedicine, 2014, 27, 1211-1221.	2.8	54
42	Hepatic gadoxetic acid uptake as a measure of diffuse liver disease: Where are we?. Journal of Magnetic Resonance Imaging, 2017, 45, 646-659.	3.4	54
43	Hepatic Fibrosis, Inflammation, and Steatosis: Influence on the MR Viscoelastic and Diffusion Parameters in Patients with Chronic Liver Disease. Radiology, 2017, 283, 98-107.	7.3	53
44	Focal Nodular Hyperplasia: Natural Course Observed with CT and MRI. Journal of Computer Assisted Tomography, 2000, 24, 61-66.	0.9	53
45	TRANSJUGULAR INTRAHEPATIC PORTOSYSTEMIC SHUNT AFTER ADULT LIVER TRANSPLANTATION. Transplantation, 1999, 68, 379-384.	1.0	51
46	Coronary Artery Stenosis: Direct Comparison of Four-Section Multi–Detector Row CT and 3D Navigator MR Imaging for Detection—Initial Results. Radiology, 2005, 234, 98-108.	7.3	46
47	Endothelial fatty liver binding protein 4: a new targetable mediator in hepatocellular carcinoma related to metabolic syndrome. Oncogene, 2019, 38, 3033-3046.	5.9	46
48	Focal lesions in cirrhotic liver: what else beyond hepatocellular carcinoma?. Diagnostic and Interventional Radiology, 2014, 20, 222-228.	1.5	45
49	Characterization of fortuitously discovered focal liver lesions: additional information provided by shearwave elastography. European Radiology, 2015, 25, 346-358.	4.5	44
50	Biodistribution of ultrasmall iron oxide particles in the rat liver. Journal of Magnetic Resonance Imaging, 2001, 13, 594-599.	3.4	41
51	Insights into the diagnosis of hepatocellular carcinomas with hepatobiliary MRI. Journal of Hepatology, 2016, 64, 708-716.	3.7	37
52	Hepatic hemangiomas: Factors associated with T2 shine-through effect on diffusion-weighted MR sequences. European Journal of Radiology, 2014, 83, 468-478.	2.6	36
53	Advanced Fibrosis: Correlation between Pharmacokinetic Parameters at Dynamic Gadoxetate-enhanced MR Imaging and Hepatocyte Organic Anion Transporter Expression in Rat Liver. Radiology, 2015, 274, 379-386.	7.3	36
54	Urinary calculi: improved detection and characterization with thin-slice multidetector CT. European Radiology, 2006, 16, 161-165.	4.5	35

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55	Comparison of 1.0 M Gadobutrol and 0.5 M Gadopentetate Dimeglumine-Enhanced Magnetic Resonance Imaging in Five Hundred Seventy-Two Patients With Known or Suspected Liver Lesions. Investigative Radiology, 2009, 44, 168-176.	6.2	35
56	Fat deposition decreases diffusion parameters at MRI: a study in phantoms and patients with liver steatosis. European Radiology, 2013, 23, 461-467.	4.5	35
57	Male genital tract malformations associated with ipsilateral renal agenesis: Sonographic findings. Journal of Clinical Ultrasound, 1991, 19, 3-10.	0.8	34
58	Inflammatory Pseudotumor of the Liver: MRI with Mangafodipir Trisodium. Journal of Computer Assisted Tomography, 1998, 22, 82-84.	0.9	34
59	Value of Multislice Helical CT Scans and Maximum-Intensity-Projection Images to Improve Detection of Ureteral Stones at Abdominal Radiography. American Journal of Roentgenology, 2001, 177, 1117-1121.	2.2	32
60	MR imaging of hypervascular liver tumors: Timing optimization during the arterial phase. Journal of Magnetic Resonance Imaging, 1999, 9, 562-567.	3.4	30
61	Magnetic resonance elastography of liver and spleen: Methods and applications. NMR in Biomedicine, 2018, 31, e3891.	2.8	30
62	Hodgkin's and non-Hodgkin's hepatic lymphoma: Sonographic findings. Abdominal Imaging, 1993, 18, 339-343.	2.0	29
63	CT Findings of Perforated Duodenal Diverticulitis. Journal of Computer Assisted Tomography, 1989, 13, 528-530.	0.9	28
64	Hepatic fat fraction and visceral adipose tissue fatty acid composition in mice: Quantification with 7.0T MRI. Magnetic Resonance in Medicine, 2016, 76, 510-518.	3.0	25
65	Thoracic Collateral Venous Channels. Journal of Computer Assisted Tomography, 1990, 14, 769-773.	0.9	24
66	Nontumorous attenuation differences on computed tomographic portography. Gastrointestinal Radiology, 1990, 15, 107-111.	0.4	24
67	Assessment of the residual tumour of colorectal liver metastases after chemotherapy: diffusion-weighted MR magnetic resonance imaging in the peripheral and entire tumour. European Radiology, 2016, 26, 206-215.	4.5	24
68	Gadoxetate-enhanced MR imaging and compartmental modelling to assess hepatocyte bidirectional transport function in rats with advanced liver fibrosis. European Radiology, 2017, 27, 1804-1811.	4.5	24
69	Focal necrosis of the ureter following CT-guided chemical sympathectomy. CardioVascular and Interventional Radiology, 1992, 15, 180-182.	2.0	23
70	Hepatobiliary cystadenocarcinoma without ovarian stroma and normal CA 19-9 levels. Unusually prolonged evolution. Digestive Diseases and Sciences, 1997, 42, 1406-1408.	2.3	23
71	Transvascular and interstitial transport in rat hepatocellular carcinomas: Dynamic contrastâ€enhanced MRI assessment with low―and high―molecular weight agents. Journal of Magnetic Resonance Imaging, 2008, 28, 906-914.	3.4	23
72	Biomarkers in abdominal imaging. Abdominal Imaging, 2009, 34, 663-667.	2.0	23

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73	Gadolinium-enhanced arterial-phase MR imaging of hypervascular liver tumors: Comparison between tailored and fixed scanning delays in the same patients. Journal of Magnetic Resonance Imaging, 2000, 11, 244-249.	3.4	22
74	Strong antineoplastic effects of metformin in preclinical models of liver carcinogenesis. Clinical Science, 2017, 131, 27-36.	4.3	22
75	Hepatic haemangioendothelioma in adults: excellent outcome following liver transplantation. Transplant International, 2004, 17, 202-207.	1.6	21
76	Dynamic computed tomography with low- and high-molecular-mass contrast agents to assess microvascular permeability modifications in a model of liver fibrosis. Clinical Science, 2002, 103, 213.	4.3	20
77	Viscoelastic Parameters for Quantifying Liver Fibrosis: Three-Dimensional Multifrequency MR Elastography Study on Thin Liver Rat Slices. PLoS ONE, 2014, 9, e94679.	2.5	20
78	Microvasculature alters the dispersion properties of shear waves - a multi-frequency MR elastography study. NMR in Biomedicine, 2015, 28, 1763-1771.	2.8	20
79	Quantification of hepatic perfusion and hepatocyte function with dynamic gadoxetic acid-enhanced MRI in patients with chronic liver disease. Clinical Science, 2018, 132, 813-824.	4.3	19
80	Gravity-Dependent Infiltrates in a Patient with Lipoid Pneumonia. Chest, 1990, 98, 1253-1254.	0.8	18
81	Primary lymphoma of the liver: MR findings. European Journal of Radiology, 1993, 16, 209-212.	2.6	18
82	Obesity-induced pancreatopathy in rats is reversible after bariatric surgery. Scientific Reports, 2018, 8, 16295.	3.3	18
83	131I-Labelled-iodized oil for palliative treatment of hepatocellular carcinoma. European Journal of Gastroenterology and Hepatology, 2005, 17, 905-910.	1.6	17
84	Elasticity reconstruction: Beyond the assumption of local homogeneity. Comptes Rendus - Mecanique, 2010, 338, 474-479.	2.1	17
85	Early detection of liver steatosis by magnetic resonance imaging in rats infused with glucose and Intralipid solutions and correlation to insulin levels. Metabolism: Clinical and Experimental, 2013, 62, 1850-1857.	3.4	17
86	Gd-EOB-DTPA enhancement pattern of hepatocellular carcinomas in rats: Comparison with Tc-99m-IDA uptake. Journal of Magnetic Resonance Imaging, 1994, 4, 351-354.	3.4	16
87	Conservative and operative management of benign solid hepatic tumours. European Journal of Gastroenterology and Hepatology, 2010, 22, 1337-1344.	1.6	15
88	Apparent diffusion coefficient is highly reproducible on preclinical imaging systems: Evidence from a sevenâ€center multivendor study. Journal of Magnetic Resonance Imaging, 2015, 42, 1759-1764.	3.4	15
89	Is magnetic resonance imaging of hepatic hemangioma any different in liver fibrosis and cirrhosis compared to normal liver?. European Journal of Radiology, 2015, 84, 816-822.	2.6	15
90	Persistent decreased plasma cholecystokinin levels in celiac patients under gluten-free diet: respective roles of histological changes and nutrient hydrolysis. Regulatory Peptides, 2002, 110, 55-63.	1.9	14

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91	Elasticity Imaging via MRI: Basics, Overcoming the Waveguide Limit, and Clinical Liver Results. Current Medical Imaging, 2012, 8, 56-63.	0.8	14
92	Liver steatosis assessed by preoperative MRI: An independent risk factor for severe complications after major hepatic resection. Surgery, 2016, 159, 1050-1057.	1.9	14
93	CT and MR perfusion techniques to assess diffuse liver disease. Abdominal Radiology, 2020, 45, 3496-3506.	2.1	13
94	Intrathoracic Rib. Journal of Computer Assisted Tomography, 1990, 14, 133-135.	0.9	12
95	Cannabinoid receptor activation in the juvenile rat brain results in rapid biomechanical alterations: Neurovascular mechanism as a putative confounding factor. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 954-964.	4.3	12
96	Assessing Tumor Mechanics by MR Elastography at Different Strain Levels. Journal of Magnetic Resonance Imaging, 2019, 50, 1982-1989.	3.4	12
97	Tumor Solid Stress: Assessment with MR Elastography under Compression of Patient-Derived Hepatocellular Carcinomas and Cholangiocarcinomas Xenografted in Mice. Cancers, 2021, 13, 1891.	3.7	12
98	Esophageal Varices: Evaluation with Transesophageal MR Imaging—Initial Experience. Radiology, 2006, 238, 167-175.	7.3	11
99	Quantitative Imaging in Diffuse Liver Diseases. Seminars in Liver Disease, 2017, 37, 243-258.	3.6	11
100	Comparison of Gadolinium-DTPA and Polylysine-Gadolinium-DTPA-Enhanced Magnetic Resonance Imaging of Hepatocarcinoma in the Rat. Investigative Radiology, 1995, 30, 572-581.	6.2	10
101	Autoimmune Pancreatitis, Sclerosing Cholangitis, Liver Inflammatory Pseudotumors, Retroperitoneal Fibrosis, Lymphadenopathy, and Sialoadenitis in a Single Patient. Pancreas, 2009, 38, 476-478.	1.1	10
102	New acquisition techniques: fields of application. Abdominal Imaging, 2012, 37, 155-163.	2.0	10
103	Diffusion-weighted and T2-weighted MR imaging for colorectal liver metastases detection in a rat model at 7ÂT: a comparative study using histological examination as reference. European Radiology, 2013, 23, 2156-2164.	4.5	10
104	Hepatic Proliferation and Angiogenesis Markers Are Increased after Portal Deprivation in Rats: A Study of Molecular, Histological and Radiological Changes. PLoS ONE, 2015, 10, e0125493.	2.5	10
105	Multifrequency magnetic resonance elastography for elasticity quantitation and optimal tissue discrimination: A twoâ€platform liver fibrosis mimicking phantom study. NMR in Biomedicine, 2021, 34, e4543.	2.8	10
106	Detection of reperfused ischemia of the rat intestine: value of magnetic resonance imaging with small-molecular-weight dysprosium and gadolinium chelates. Academic Radiology, 1997, 4, 35-42.	2.5	9
107	Quantitative MRI in murine radiationâ€induced rectocolitis: comparison with histopathological inflammation score. NMR in Biomedicine, 2018, 31, e3897.	2.8	8
108	Celiac Artery Occlusive Disease: A Rare but Potentially Critical Condition in Patients Undergoing Pancreaticoduodenectomy. Hepato-Gastroenterology, 2011, 58, 1377-1383.	0.5	8

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109	MRI of ironâ€oxide labelled transplanted hepatocytes in mice: Effect of treatment with cyclophosphamide. Journal of Magnetic Resonance Imaging, 2010, 32, 367-375.	3.4	7
110	Liver Perfusion Modifies Gd-DTPA and Gd-BOPTA Hepatocyte Concentrations Through Transfer Clearances Across Sinusoidal Membranes. European Journal of Drug Metabolism and Pharmacokinetics, 2017, 42, 657-667.	1.6	7
111	Left lobe living related liver transplantation in the absence of an extrahepatic left portal vein. Transplantation, 2002, 74, 278-279.	1.0	6
112	Clinical Image. Spiral CT Cholangiography of Choledochocele. Journal of Computer Assisted Tomography, 1996, 20, 814.	0.9	6
113	CT of the Portal Vein after Portacaval Shunt with Arterialization. Journal of Computer Assisted Tomography, 1994, 18, 774.	0.9	5
114	Necro-inflammatory activity grading in chronic viral hepatitis with three-dimensional multifrequency MR elastography. Scientific Reports, 2021, 11, 19386.	3.3	5
115	The SVD beamformer with diverging waves: a proof-of-concept for fast aberration correction. Physics in Medicine and Biology, 2021, 66, 18LT01.	3.0	5
116	In vitro distinction between proinflammatory and antiinflammatory macrophages with gadoliniumâ€liposomes and ultrasmall superparamagnetic iron oxide particles at 3.0T. Journal of Magnetic Resonance Imaging, 2019, 49, 1166-1173.	3.4	4
117	Comparison of Unenhanced and Gadoxetate Disodium-Enhanced Spin-Echo Magnetic Resonance Imaging for the Detection of Experimental Hepatocellular Carcinoma in the Rat. Investigative Radiology, 1998, 33, 80-84.	6.2	4
118	Reperfused ischemia of the rat intestine: Detection by MR imaging with polylysine-Gd-DTPA enhancement. Magnetic Resonance in Medicine, 1996, 35, 131-135.	3.0	3
119	Rare presentation of familial paraganglioma without evidence of mutation in the SDH, RET and VHL genes: towards further genetic heterogeneity. Journal of Hypertension, 2009, 27, 76-82.	0.5	2
120	Comparison of pulsed and oscillating gradient diffusionâ€weighted MRI for characterizing hepatocellular nodules in liver cirrhosis: ex vivo study in a rat model. Journal of Magnetic Resonance Imaging, 2020, 51, 1065-1074.	3.4	2
121	Positive F-18 FDG Positron Emission Tomography in the Perineum After Anorectal Reconstruction. Clinical Nuclear Medicine, 2002, 27, 363-364.	1.3	2
122	Liver Imaging and Hepatobiliary Contrast Media. Contrast Media and Molecular Imaging, 2018, 2018, 1-2.	0.8	1
123	Abstract 3345: Induction of apoptosis by high levels of oscillatory shear strain: proof of concept in a human colon cancer metastasis cell line , 2013, , .		1
124	Long-term asymptomatic biochemical cholestasis after fulminant or subfulminant liver failure is associated with extensive postnecrotic collapse with regeneration of the liver. Liver, 2002, 22, 83-86.	0.1	0
125	Reply to: "Strain ultrasound elastography for liver diseases― Journal of Hepatology, 2015, 63, 535.	3.7	0
126	Editorial for "Hepatic Steatosis Has No Effect in Diagnosis Accuracy of <scp>Llâ€RADS</scp> v2018 Categorization of Hepatocellular Carcinoma in <scp>MR</scp> Imaging― Journal of Magnetic Resonance Imaging, 2022, 55, 1902-1903.	3.4	0

ARTICLE IF CITATIONS

127 Benign Focal Lesions., 2009,, 73-94.