Valentina O Puntmann

List of Publications by Year
in descending order

90 papers	7,915 citations	109137 35 h-index	54797 84 g-index
90 all docs	90 docs citations	90 times ranked	10559 citing authors

#	Article	IF	Citations
1	Determination of scar area using native and post-contrast T1 mapping: Agreement with late gadolinium enhancement. European Journal of Radiology, 2022, 150, 110242.	1.2	1
2	Cardiovascular Magnetic Resonance for Rejection Surveillance After Cardiac Transplantation. Circulation, 2022, 145, 1811-1824.	1.6	26
3	COVID-19 myocarditis and prospective heart failure burden. Expert Review of Cardiovascular Therapy, 2021, 19, 5-14.	0.6	50
4	Quantitative perfusion-CMR is significantly influenced by the placement of the arterial input function. International Journal of Cardiovascular Imaging, 2021, 37, 1023-1031.	0.7	6
5	Myocardial T1-mapping and extracellular volume in pulmonary arterial hypertension: A systematic review and meta-analysis. Magnetic Resonance Imaging, 2021, 79, 66-75.	1.0	16
6	Cardiac biomarkers in chronic kidney disease are independently associated with myocardial edema and diffuse fibrosis by cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 71.	1.6	18
7	Myocardial Fibrosis and Inflammation by CMR Predict Cardiovascular Outcome in People Living With HIV. JACC: Cardiovascular Imaging, 2021, 14, 1548-1557.	2.3	26
8	Outcomes of Cardiovascular Magnetic Resonance Imaging in Patients Recently Recovered From Coronavirus Disease 2019 (COVID-19). JAMA Cardiology, 2020, 5, 1265.	3.0	1,659
9	Native T1 and T2 provide distinctive signatures in hypertrophic cardiac conditions â€“ Comparison of uremic, hypertensive and hypertrophic cardiomyopathy. International Journal of Cardiology, 2020, 306, 102-108.	0.8	39
10	Circulating Th17 and Th22 Cells Are Associated With CMR Imaging Biosignatures of Diffuse Myocardial Interstitial Remodeling in Chronic Coronary Artery Disease. Circulation Research, 2020, 127, 699-701.	2.0	5
11	Sub-segmental quantification of single (stress)-pass perfusion CMR improves the diagnostic accuracy for detection of obstructive coronary artery disease. Journal of Cardiovascular Magnetic Resonance, 2020, 22, 14.	1.6	14
12	Aortic Stiffness and Heart Failure in Chronic Kidney Disease. Current Cardiovascular Imaging Reports, 2020, 13, 1.	0.4	5
13	Contemporary Cardiac MRI in Chronic Coronary Artery Disease. European Cardiology Review, 2020, 15, e50.	0.7	13
14	Prevalence and prognostic impact of nonischemic late gadolinium enhancement in stress cardiac magnetic resonance. Journal of Cardiovascular Medicine, 2020, 21, 980-985.	0.6	1
15	Aortic stiffness is independently associated with interstitial myocardial fibrosis by native T1 and accelerated in the presence of chronic kidney disease. IJC Heart and Vasculature, 2019, 24, 100389.	0.6	19
16	Magnetic Resonance Perfusion or Fractional Flow Reserve in Coronary Disease. New England Journal of Medicine, 2019, 380, 2418-2428.	13.9	326
17	Cardiac MRI: a Promising Diagnostic Tool to Detect Cancer Therapeuticsâ€“Related Cardiac Dysfunction. Current Cardiovascular Imaging Reports, 2019, 12, 1.	0.4	0
18	Towards standardized postprocessing of global longitudinal strain by feature tracking â€“ OptiStrain CMR-FT study. BMC Cardiovascular Disorders, 2019, 19, 267.	0.7	10

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19	Improved long-term durability of allogeneic heart valves in the orthotopic sheep model. European Journal of Cardio-thoracic Surgery, 2019, 55, 484-493.	0.6	19
20	Native T1 Mapping in the Diagnosis of Cardiac Allograft Rejection. JACC: Cardiovascular Imaging, 2019, 12, 1618-1628.	2.3	34
21	CMR imaging biosignature of cardiac involvement due to cancer-related treatment by T1 and T2 mapping. International Journal of Cardiology, 2019, 275, 179-186.	0.8	60
22	Non-infarcted myocardium bears the weight in CVD. Aging, 2019, 11, 1609-1610.	1.4	0
23	Towards the Clinical Management of Cardiac Involvement in Systemic Inflammatory Conditionsâ€"a Central Role for CMR. Current Cardiovascular Imaging Reports, 2018, 11, 1.	0.4	6
24	Native T1 and ECV of Noninfarcted Myocardium and Outcome in Patients WithÂCoronary ArteryÂDisease. Journal of the American College of Cardiology, 2018, 71, 766-778.	1.2	100
25	Comparison of MOLLI, shMOLLLI, and SASHA in discrimination between health and disease and relationship with histologically derived collagen volume fraction. European Heart Journal Cardiovascular Imaging, 2018, 19, 768-776.	0.5	56
26	T1 and T2 mapping in myocarditis: seeing beyond the horizon of Lake Louise criteria and histopathology. Expert Review of Cardiovascular Therapy, 2018, 16, 319-330.	0.6	20
27	Role of Cardiac Magnetic Resonance in Heart Failure with Preserved Ejection Fraction. Current Cardiovascular Imaging Reports, 2018, 11, 1.	0.4	4
28	Definition of Left Ventricular Segments for Cardiac Magnetic Resonance Imaging. JACC: Cardiovascular Imaging, 2018, 11, 926-928.	2.3	23
29	Diagnostic and prognostic significance of cardiovascular magnetic resonance native myocardial T1 mapping in patients with pulmonary hypertension. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 78.	1.6	34
30	Society for Cardiovascular Magnetic Resonance (SCMR) expert consensus for CMR imaging endpoints in clinical research: part I - analytical validation and clinical qualification. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 67.	1.6	101
31	Syncope on exertion in a young male. HeartRhythm Case Reports, 2018, 4, 324-327.	0.2	1
32	High-sensitive troponin is associated with subclinical imaging biosignature of inflammatory cardiovascular involvement in systemic lupus erythematosus. Annals of the Rheumatic Diseases, 2018, 77, 1590-1598.	0.5	48
33	T1 and T2 Mapping in Recognition of Early Cardiac Involvement in Systemic Sarcoidosis. Radiology, 2017, 285, 63-72.	3.6	126
34	T1 Mapping in Characterizing Myocardial Disease. Circulation Research, 2016, 119, 277-299.	2.0	241
35	Cardiovascular magnetic resonance in rheumatology: Current status and recommendations for use. International Journal of Cardiology, 2016, 217, 135-148.	0.8	114
36	Native T1 and T2 mapping by CMR in lupus myocarditis: Disease recognition and response to treatment. International Journal of Cardiology, 2016, 222, 717-726.	0.8	75

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37	Deciphering cardiac involvement in systemic inflammatory diseases: noninvasive tissue characterisation using cardiac magnetic resonance is key to improved patientsâ€™ care. Expert Review of Cardiovascular Therapy, 2016, 14, 1283-1295.	0.6	12
38	T1 and T2 Mapping inÂNonischemic Cardiomyopathies and Agreement With Endomyocardial Biopsy. Journal of the American College of Cardiology, 2016, 68, 1923-1924.	1.2	9
39	Standardised postprocessing of native T2 in detection and discrimination of myocarditis - comparison with native T1 mapping. Journal of Cardiovascular Magnetic Resonance, 2016, 18, O14.	1.6	5
40	Cardiovascular Magnetic Resonance in Cardiology Practice: A Concise Guide to Image Acquisition and Clinical Interpretation. Revista Espanola De Cardiologia (English Ed), 2016, 69, 202-210.	0.4	20
41	Resonancia magnÃ©tica cardiovascular en la prÃ¡ctica cardiolÃ³gica: una guÃa concisa para la adquisiciÃ³n de imÃ¡genes y la interpretaciÃ³n clÃnica. Revista Espanola De Cardiologia, 2016, 69, 202-210.	0.6	36
42	Native T1 in deciphering the reversible myocardial inflammation in cardiac sarcoidosis with anti-inflammatory treatment. International Journal of Cardiology, 2016, 203, 459-462.	0.8	13
43	MR Imaging of Coronary Arteries and Plaques. JACC: Cardiovascular Imaging, 2016, 9, 306-316.	2.3	64
44	Is Myocardial Native T1 the One Answer for All?. JACC: Cardiovascular Imaging, 2016, 9, 37-39.	2.3	9
45	T1-Mapping and Outcome in NonischemicÂCardiomyopathy. JACC: Cardiovascular Imaging, 2016, 9, 40-50.	2.3	380
46	High-throughput gadobutrol-enhanced CMR: a time and dose optimization study. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 83.	1.6	38
47	Advances in Cardiovascular MRI using Quantitative Tissue Characterisation Techniques: Focus on Myocarditis. European Cardiology Review, 2016, 11, 20.	0.7	2
48	T1 mapping in myocarditis â€“ headway to a new era for cardiovascular magnetic resonance. Expert Review of Cardiovascular Therapy, 2015, 13, 871-874.	0.6	13
49	T1 Mapping in Discrimination of Hypertrophic Phenotypes: Hypertensive Heart Disease and Hypertrophic Cardiomyopathy. Circulation: Cardiovascular Imaging, 2015, 8, .	1.3	200
50	Myocardial T1 mapping: a non-invasive alternative to tissue diagnosis?. European Heart Journal Cardiovascular Imaging, 2015, 16, 108-109.	0.5	4
51	T1 values by conservative septal postprocessing approach are superior in relating to the interstitial myocardial fibrosis: findings from patients with severe aortic stenosis. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P49.	1.6	9
52	Native T1 in Discrimination of Acute and Convalescent Stages in Patients With ClinicalÂDiagnosis of Myocarditis. JACC: Cardiovascular Imaging, 2015, 8, 37-46.	2.3	177
53	Reference values for healthy human myocardium using a T1 mapping methodology: results from the International T1 Multicenter cardiovascular magnetic resonance study. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 69.	1.6	262
54	Prevalence of myocardial crypts in a large retrospective cohort study by cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 66.	1.6	40

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55	T1 mapping - beware regional variations. European Heart Journal Cardiovascular Imaging, 2014, 15, 1302-1302.	0.5	14
56	Contrast-enhanced cardiovascular magnetic resonance imaging of coronary vessel wall: state of art. Expert Review of Cardiovascular Therapy, 2014, 12, 255-263.	0.6	5
57	Individualized cardiovascular risk assessment by cardiovascular magnetic resonance. Future Cardiology, 2014, 10, 273-289.	0.5	20
58	These abstracts have been selected for VIEWING only as ePosters and in print. ePosters will be available on Screen A & B throughout the meeting, Print Posters at the times indicated below. Please refer to the PROGRAM for more details.. European Heart Journal Cardiovascular Imaging, 2014, 15, i12-i33.	0.5	0
59	Aortic Stiffness and Interstitial Myocardial Fibrosis by Native T1 Are Independently Associated With Left Ventricular Remodeling in Patients With Dilated Cardiomyopathy. Hypertension, 2014, 64, 762-768.	1.3	50
60	Myocardial T2 mapping for improved detection of inflammatory myocardial involvement in acute and chronic myocarditis. Journal of Cardiovascular Magnetic Resonance, 2014, 16, O63.	1.6	4
61	130â€...Reproducibility of T1 and T2 Mapping in Health and Disease, and Assessment of T2 Variability Across the Normal Myocardium. Heart, 2014, 100, A76.1-A76.	1.2	5
62	Coronary Vessel Wall Contrast Enhancement Imaging as a Potential DirectÂMarker of Coronary Involvement. JACC: Cardiovascular Imaging, 2014, 7, 762-770.	2.3	46
63	Native T1 Mapping in Differentiation of Normal Myocardium From Diffuse Disease in Hypertrophic and Dilated Cardiomyopathy. JACC: Cardiovascular Imaging, 2013, 6, 475-484.	2.3	386
64	Gender differences in pulse wave velocity in young healthy adults at rest and exercise - the WellHeart Study. Journal of Cardiovascular Magnetic Resonance, 2013, 15, E83.	1.6	1
65	Standardization of T1 measurements with MOLLI in differentiation between health and disease â€“ the ConSept study. Journal of Cardiovascular Magnetic Resonance, 2013, 15, 78.	1.6	133
66	Left ventricular chamber dimensions and wall thickness by cardiovascular magnetic resonance: comparison with transthoracic echocardiography. European Heart Journal Cardiovascular Imaging, 2013, 14, 240-246.	0.5	56
67	Native Myocardial T1 Mapping by Cardiovascular Magnetic Resonance Imaging in Subclinical Cardiomyopathy in Patients With Systemic Lupus Erythematosus. Circulation: Cardiovascular Imaging, 2013, 6, 295-301.	1.3	178
68	Value of serum pregnancy-associated plasma protein A for predicting cardiovascular events among patients presenting with cardiac chest pain. Cmaj, 2013, 185, E295-E303.	0.9	18
69	Gender-Specific Differences in Myocardial Deformation and Aortic Stiffness at Rest and Dobutamine Stress. Hypertension, 2012, 59, 712-718.	1.3	20
70	Letter by Puntmann et al Regarding Article, â€œPrevalence and Clinical Profile of Myocardial Crypts in Hypertrophic Cardiomyopathyâ€• Circulation: Cardiovascular Imaging, 2012, 5, e66; author reply e67.	1.3	2
71	Proteomics Analysis of Cardiac Extracellular Matrix Remodeling in a Porcine Model of Ischemia/Reperfusion Injury. Circulation, 2012, 125, 789-802.	1.6	191
72	Contrast Enhancement Imaging in Coronary Arteries in SLE. JACC: Cardiovascular Imaging, 2012, 5, 962-964.	2.3	12

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73	Application of a high resolution T1 mapping with MOLLI (hrMOLLI) in patients in clinical setting: a reproducibility study. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	1.6	0
74	Usefulness of Cardiac Magnetic Resonance in Early Assessment of Cardiomyopathies: Myocardial Fibrosis Is a Common Denominator. Current Cardiovascular Imaging Reports, 2012, 5, 77-82.	0.4	8
75	Does Late Enhancement Imaging Decipher the Role of Myocardial Fibrosis in Hypertrophic Cardiomyopathy?. Current Cardiovascular Imaging Reports, 2011, 4, 87-89.	0.4	0
76	Sandwich Immunoassay for Soluble Glycoprotein VI in Patients with Symptomatic Coronary Artery Disease. Clinical Chemistry, 2011, 57, 898-904.	1.5	26
77	Coupling Vascular and Myocardial Inflammatory Injury into a Common Phenotype of Cardiovascular Dysfunction: Systemic Inflammation and Aging â€“ A Mini-Review. Gerontology, 2011, 57, 295-303.	1.4	38
78	Significance of Maximal and Regional Left Ventricular Wall Thickness in Association With Arrhythmic Events in Patients With Hypertrophic Cardiomyopathy. Circulation Journal, 2010, 74, 531-537.	0.7	15
79	An Interplay Between Left Ventricular Wall Thickness and T-Wave Alternans in Patients With Hypertrophic Cardiomyopathy in Predicting Ventricular Tachyarrythmic Events:. Circulation Journal, 2010, 74, 1767.	0.7	0
80	T-Wave Alternans and Left Ventricular Wall Thickness in Predicting Arrhythmic Risk in Patients With Hypertrophic Cardiomyopathy. Circulation Journal, 2010, 74, 1197-1204.	0.7	14
81	Characterization of the Inflammatory Phenotype in Atherosclerosis May Contribute to the Development of New Therapeutic and Preventative Interventions. Trends in Cardiovascular Medicine, 2010, 20, 176-181.	2.3	8
82	Usefulness of Magnetic Resonance Imaging to Distinguish Hypertensive and Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2010, 106, 1016-1022.	0.7	57
83	Towards understanding the phenotypes of myocardial involvement in the presence of self-limiting and sustained systemic inflammation: a magnetic resonance imaging study. Rheumatology, 2010, 49, 528-535.	0.9	41
84	Phenotyping transgenic animalsâ€"An integrated readout of pathophysiology by combining proteomics and metabolomics with cardiovascular imaging. Journal of Molecular and Cellular Cardiology, 2010, 48, 571-573.	0.9	2
85	Accuracy of Neutrophil Gelatinase-Associated Lipocalin (NGAL) in Diagnosis and Prognosis in Acute Kidney Injury: A Systematic Review and Meta-analysis. American Journal of Kidney Diseases, 2009, 54, 1012-1024.	2.1	1,612
86	How-to guide on biomarkers: biomarker definitions, validation and applications with examples from cardiovascular disease. Postgraduate Medical Journal, 2009, 85, 538-545.	0.9	121
87	Rapid Detection of Acute Kidney Injury by Plasma and Urinary Neutrophil Gelatinase-associated Lipocalin After Cardiopulmonary Bypass. Journal of Cardiovascular Pharmacology, 2009, 53, 261-266.	0.8	143
88	Atherosclerosis and Oxidant Stress: The End of the Road for Antioxidant Vitamin Treatment?. Cardiovascular Drugs and Therapy, 2007, 21, 195-210.	1.3	74
89	The role of oxidant stress in angiotensin II-mediated contraction of human resistance arteries in the state of health and the presence of cardiovascular disease. Vascular Pharmacology, 2006, 45, 395-399.	1.0	7
90	Role of oxidative stress in angiotensin-II mediated contraction of human conduit arteries in patients with cardiovascular disease. Vascular Pharmacology, 2005, 43, 277-282.	1.0	19