

Dominik P Guensch

List of Publications by Year in descending order

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44
papers

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759233

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#	ARTICLE	IF	CITATIONS
1	Insights Into Myocardial Oxygenation and Cardiovascular Magnetic Resonance Tissue Biomarkers in Heart Failure With Preserved Ejection Fraction. <i>Circulation: Heart Failure</i> , 2022, 15, CIRCHEARTFAILURE121008903.	3.9	17
2	Combined Analysis of Myocardial Deformation and Oxygenation Detects Inducible Ischemia Unmasked by Breathing Maneuvers in Chronic Coronary Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 800720.	2.4	7
3	Reproducibility and its confounders of CMR feature tracking myocardial strain analysis in patients with suspected myocarditis. <i>European Radiology</i> , 2022, 32, 3436-3446.	4.5	16
4	First insights into the performance of the Dexcom <sc>G6</sc> continuous glucose monitoring system during cardiac surgery using hypothermic extracorporeal circulation. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 294-295.	4.4	2
5	Resolution of Strain Abnormalities During Extracorporeal Rewarming From Accidental Hypothermic Cardiac Arrest Following Avalanche Burial. <i>JACC: Case Reports</i> , 2021, 3, 99-103.	0.6	2
6	Cardiac Graft Assessment in the Era of Machine Perfusion: Current and Future Biomarkers. <i>Journal of the American Heart Association</i> , 2021, 10, e018966.	3.7	13
7	The blood oxygen level dependent (BOLD) effect of in-vitro myoglobin and hemoglobin. <i>Scientific Reports</i> , 2021, 11, 11464.	3.3	13
8	Study design for a randomized crossover study investigating myocardial strain analysis in patients with coronary artery disease at hyperoxia and normoxemia prior to coronary artery bypass graft surgery (StrECHO-O2). <i>Contemporary Clinical Trials</i> , 2021, 110, 106567.	1.8	3
9	Assessment of Myocardial Function During Blood Pressure Manipulations Using Feature Tracking Cardiovascular Magnetic Resonance. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 743849.	2.4	10
10	Association of ECG parameters with late gadolinium enhancement and outcome in patients with clinical suspicion of acute or subacute myocarditis referred for CMR imaging. <i>PLoS ONE</i> , 2020, 15, e0227134.	2.5	24
11	Feature Tracking Myocardial Strain Incrementally Improves Prognostication in Myocarditis Beyond Traditional CMR Imaging Features. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1891-1901.	5.3	76
12	Effect of Hyperoxia on Myocardial Oxygenation and Function in Patients With Stable Multivessel Coronary Artery Disease. <i>Journal of the American Heart Association</i> , 2020, 9, e014739.	3.7	21
13	In Response. <i>Anesthesia and Analgesia</i> , 2020, 130, e97-e98.	2.2	0
14	Response: Safety of Hyperoxia in Cardiovascular Disease? Be Skeptical, Not Sheepish. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 2885-2886.	1.3	0
15	Hyperoxiaâ€”a Wolf in Sheep's Clothing?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 1179-1180.	1.3	2
16	Relationship between myocardial oxygenation and blood pressure: Experimental validation using oxygenation-sensitive cardiovascular magnetic resonance. <i>PLoS ONE</i> , 2019, 14, e0210098.	2.5	14
17	Hyperventilation-induced heart rate response as a potential marker for cardiovascular disease. <i>Scientific Reports</i> , 2019, 9, 17887.	3.3	11
18	When Less Is More: Why Extubation With Less Than Routine 100% Oxygen May Be a Reasonable Strategy. <i>Anesthesia and Analgesia</i> , 2019, 129, 1433-1435.	2.2	10

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19	Levosimendan and systemic vascular resistance in cardiac surgery patients: a systematic review and meta-analysis. <i>Scientific Reports</i> , 2019, 9, 20343.	3.3	6
20	Effects of hyperoxia on myocardial oxygenation and function in multi-vessel coronary artery disease. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, S61-S62.	1.3	2
21	Feasibility of cardiovascular magnetic resonance to detect oxygenation deficits in patients with multi-vessel coronary artery disease triggered by breathing maneuvers. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 31.	3.3	43
22	Multi-Operational Selective Computer-Assisted Targeting of hepatocellular carcinoma—Evaluation of a novel approach for navigated tumor ablation. <i>PLoS ONE</i> , 2018, 13, e0197914.	2.5	8
23	Impact of hyperventilation and apnea on myocardial oxygenation in patients with obstructive sleep apnea — An oxygenation-sensitive CMR study. <i>Journal of Cardiology</i> , 2017, 69, 489-494.	1.9	18
24	Evidence for Acute Myocardial and Skeletal Muscle Injury after Serial Transthoracic Shocks in Healthy Swine. <i>PLoS ONE</i> , 2016, 11, e0162245.	2.5	13
25	The impact of hematocrit on oxygenation-sensitive cardiovascular magnetic resonance. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 42.	3.3	14
26	Use of left ventricle blood pool oxygenation-sensitive signal intensity as a measure of arterial hemoglobin saturation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, P52.	3.3	0
27	Signs of coronary steal during apnea after hyperventilation in awake patients with coronary artery disease. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2016, 30, S24-S25.	1.3	0
28	Breathing Maneuvers as a Vasoactive Stimulus for Detecting Inducible Myocardial Ischemia — An Experimental Cardiovascular Magnetic Resonance Study. <i>PLoS ONE</i> , 2016, 11, e0164524.	2.5	21
29	Myocardial blood flow reflects myocardial oxygenation in healthy swine. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, S36.	1.3	0
30	Response of myocardial oxygenation to breathing manoeuvres and adenosine infusion. <i>European Heart Journal Cardiovascular Imaging</i> , 2015, 16, 395-401.	1.2	35
31	Hyperoxia Exacerbates Myocardial Ischemia in the Presence of Acute Coronary Artery Stenosis in Swine. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, e002928.	3.9	31
32	Breathing manoeuvre-dependent changes in myocardial oxygenation in healthy humans. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 409-414.	1.2	32
33	Relationship of vasodilator-induced changes in myocardial oxygenation with the severity of coronary artery stenosis: a study using oxygenation-sensitive cardiovascular magnetic resonance. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 1358-1367.	1.2	22
34	Presence of diastolic dysfunction after biphasic synchronized transthoracic shocks in a porcine model evaluated with CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P81.	3.3	0
35	The relationship of myocardial oxygenation to coronary flow and oxygen saturation during CO ₂ manipulations. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, O110.	3.3	0
36	Novel Approaches to Myocardial Perfusion: 3D First-Pass CMR Perfusion Imaging and Oxygenation-Sensitive CMR. <i>Current Cardiovascular Imaging Reports</i> , 2014, 7, 1.	0.6	5

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37	Performance of T1 mapping vs. T2 mapping for assessing myocardial edema. Journal of Cardiovascular Magnetic Resonance, 2014, 16, O16.	3.3	2
38	T1 and T2 mapping detect myocardial edema after repeated 200J electrical cardioversion. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P157.	3.3	1
39	Breathing maneuvers may elicit a stronger myocardial vascular response than clinical adenosine protocols. Journal of Cardiovascular Magnetic Resonance, 2014, 16, P49.	3.3	1
40	Myocardial oxygenation is maintained during hypoxia when combined with apnea - a cardiovascular MR study. Physiological Reports, 2013, 1, e00098.	1.7	12
41	Impact of Intermittent Apnea on Myocardial Tissue Oxygenation – A Study Using Oxygenation-Sensitive Cardiovascular Magnetic Resonance. PLoS ONE, 2013, 8, e53282.	2.5	21
42	Non-invasive monitoring of blood gas-induced changes of myocardial oxygenation using oxygen-sensitive CMR. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	3.3	0
43	Assessment of significant coronary artery stenosis using blood oxygen level dependent cardiovascular magnetic resonance (BOLD-CMR). Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	3.3	1
44	Functional significance of Blood Oxygen Level Dependent (BOLD) imaging in patients with coronary artery disease - a validation study using fractional flow reserve. Journal of Cardiovascular Magnetic Resonance, 2011, 13, .	3.3	1