

Zhihao Jiang

List of Publications by Year in descending order

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26
papers

517
citations

1307594

7
h-index

1199594

12
g-index

26
all docs

26
docs citations

26
times ranked

376
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyber-Physical Modeling of Implantable Cardiac Medical Devices. Proceedings of the IEEE, 2012, 100, 122-137.	21.3	108
2	Modeling and Verification of a Dual Chamber Implantable Pacemaker. Lecture Notes in Computer Science, 2012, , 188-203.	1.3	77
3	From Verification to Implementation: A Model Translation Tool and a Pacemaker Case Study. , 2012, , .		44
4	Real-Time Heart Model for Implantable Cardiac Device Validation and Verification. , 2010, , .		41
5	Digital Behavioral Twins for Safe Connected Cars. , 2018, , .		38
6	Closed-loop verification of medical devices with model abstraction and refinement. International Journal on Software Tools for Technology Transfer, 2014, 16, 191-213.	1.9	35
7	Nuclear magnetic resonance features of low-permeability reservoirs with complex wettability. Petroleum Exploration and Development, 2017, 44, 274-279.	7.0	28
8	Multifractal Characteristics and Classification of Tight Sandstone Reservoirs: A Case Study from the Triassic Yanchang Formation, Ordos Basin, China. Energies, 2018, 11, 2242.	3.1	23
9	Model-Based Closed-Loop Testing of Implantable Pacemakers. , 2011, , .		22
10	Safety-critical medical device development using the UPP2SF model translation tool. Transactions on Embedded Computing Systems, 2014, 13, 1-26.	2.9	19
11	Evaluation of tight waterflooding reservoirs with complex wettability by NMR data: A case study from Chang 6 and 8 members, Ordos Basin, NW China. Journal of Petroleum Science and Engineering, 2022, 213, 110436.	4.2	13
12	Three challenges in cyber-physical systems. , 2016, , .		10
13	In-silico pre-clinical trials for implantable cardioverter defibrillators. , 2016, 2016, 169-172.		9
14	Modeling cardiac pacemaker malfunctions with the Virtual Heart Model. , 2011, 2011, 263-6.		8
15	Using resistivity data to study the waterflooding process: A case study in tight sandstone reservoirs of the Ordos Basin, China. Geophysics, 2021, 86, B55-B65.	2.6	8
16	High-Confidence Medical Device Software Development. Foundations and Trends in Electronic Design Automation, 2015, 9, 309-391.	1.0	5
17	Environment Modeling During Model Checking of Cyberphysical Systems. Computer, 2021, 54, 49-58.	1.1	5
18	Towards Model Checking of Implantable Cardioverter Defibrillators. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
19	The Challenges of High-Confidence Medical Device Software. Computer, 2016, 49, 34-42.	1.1	4
20	Using the Virtual Heart Model to validate the mode-switch pacemaker operation. , 2010, 2010, 6690-3.		3
21	Computer Aided Clinical Trials for Implantaule Cardiac Devices. , 2018, 2018, 1-4.		3
22	Synthesizing stealthy reprogramming attacks on cardiac devices. , 2019, , .		3
23	High-level modeling for computer-aided clinical trials of medical devices. , 2016, , .		2
24	Model-based clinical assist system for cardiac ablation. , 2021, , .		2
25	Property-Driven Runtime Resolution of Feature Interactions. Lecture Notes in Computer Science, 2018, , 316-333.	1.3	1
26	Driver's Perception Model in Driving Assist. , 2020, , .		1