Digital Twins: From Personalised Medicine to Precision

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Citation Report

#	Article	IF	CITATIONS
1	Pervasive and Connected Digital Twins—A Vision for Digital Health. IEEE Internet Computing, 2022, 26, 26-32.	3.2	16
2	Digital Twins From Smart Manufacturing to Smart Cities: A Survey. IEEE Access, 2021, 9, 143222-143249.	2.6	95
3	The health digital twin: advancing precision cardiovascular medicine. Nature Reviews Cardiology, 2021, 18, 803-804.	6.1	45
4	Health Technology Assessment for In Silico Medicine: Social, Ethical and Legal Aspects. International Journal of Environmental Research and Public Health, 2022, 19, 1510.	1.2	5
5	Transformation of Health and Social Care Systemsâ€"An Interdisciplinary Approach Toward a Foundational Architecture. Frontiers in Medicine, 2022, 9, 802487.	1.2	16
6	An Idealized Clinicogenomic Registry to Engage Underrepresented Populations Using Innovative Technology. Journal of Personalized Medicine, 2022, 12, 713.	1.1	12
8	Applications of Digital Twin across Industries: A Review. Applied Sciences (Switzerland), 2022, 12, 5727.	1.3	67
9	Drug Development Digital Twins for Drug Discovery, Testing and Repurposing: A Schema for Requirements and Development. Frontiers in Systems Biology, 0, 2, .	0.5	13
10	Personalized Medicine for the Critically III Patient: A Narrative Review. Processes, 2022, 10, 1200.	1.3	2
11	Synergistic Digital Twin and Holographic Augmented-Reality-Guided Percutaneous Puncture of Respiratory Liver Tumor. IEEE Transactions on Human-Machine Systems, 2022, 52, 1364-1374.	2.5	7
12	Digital Twins in the Automotive Industry: The Road toward Physical-Digital Convergence. Applied System Innovation, 2022, 5, 65.	2.7	44
13	Digital Twins in Healthcare: Is It the Beginning of a New Era of Evidence-Based Medicine? A Critical Review. Journal of Personalized Medicine, 2022, 12, 1255.	1.1	34
14	Evaluating Translational Methods for Personalized Medicine—A Scoping Review. Journal of Personalized Medicine, 2022, 12, 1177.	1.1	4
15	Gastroenterology in the Metaverse: The dawn of a new era?. Frontiers in Medicine, 0, 9, .	1.2	5
17	Personal Digital Twin: A Close Look into the Present and a Step towards the Future of Personalised Healthcare Industry. Sensors, 2022, 22, 5918.	2.1	45
18	Impactful Digital Twin in the Healthcare Revolution. Big Data and Cognitive Computing, 2022, 6, 83.	2.9	48
19	Limiting medical certainties? Funding challenges for German and comparable public healthcare systems due to AI prediction and how to address them. Frontiers in Artificial Intelligence, 0, 5, .	2.0	1
20	Convergence of Blockchain and Al for IoT in Connected Life Sciences. Blockchain Technologies, 2022, , 85-111.	0.6	1

#	Article	IF	CITATIONS
21	Precision Medicine in Oncology and Cancer Therapeutics., 2022,, 33-51.		1
22	I Feel You. Lecture Notes in Computer Science, 2022, , 23-43.	1.0	0
23	Digital Twins in Healthcare: An Architectural Proposal and Its Application in a Social Distancing Case Study. IEEE Journal of Biomedical and Health Informatics, 2023, 27, 5143-5154.	3.9	15
24	Principles of Precision Medicine. , 2022, , 1-11.		0
25	A bibliometric analysis of the application of artificial intelligence to advance individualized diagnosis and treatment of critical illness. Annals of Translational Medicine, 2022, 10, 854-854.	0.7	3
26	Multimodal biomedical Al. Nature Medicine, 2022, 28, 1773-1784.	15.2	191
27	Reimagining India's Health System: Technology Levers for Universal Health Care. Journal of the Indian Institute of Science, 0, , .	0.9	0
28	The Digital Analytic Patient Reviewer (DAPR) for COVID-19 Data Mart Validation. Methods of Information in Medicine, 0, , .	0.7	0
29	Health digital twins as tools for precision medicine: Considerations for computation, implementation, and regulation. Npj Digital Medicine, 2022, 5, .	5.7	45
30	Applications of Digital Twins in the Healthcare Industry: Case Review of an IoT-Enabled Remote Technology in Dentistry., 2022, 1, 20-41.		11
31	Digital Twins forÂOrgan Preservation Devices. Lecture Notes in Computer Science, 2022, , 22-36.	1.0	0
32	Main requirements of end-to-end deep learning models for biomedical time series classification in healthcare environments. Procedia Computer Science, 2022, 207, 3038-3046.	1.2	0
33	What Is a Digital Twin? Experimental Design for a Data-Centric Machine Learning Perspective in Health. International Journal of Molecular Sciences, 2022, 23, 13149.	1.8	9
34	The paradigm and future value of the metaverse for the intervention of cognitive decline. Frontiers in Public Health, $0,10,1$	1.3	6
35	The future of digital twins in precision dentistry. Journal of Oral Biology and Craniofacial Research, 2023, 13, 19.	0.8	1
36	Metaverse and Personal Healthcare. Procedia Computer Science, 2022, 210, 189-197.	1.2	20
37	Deep learning in drug discovery: an integrative review and future challenges. Artificial Intelligence Review, 2023, 56, 5975-6037.	9.7	32
38	Digital Twins in Radiology. Journal of Clinical Medicine, 2022, 11, 6553.	1.0	14

#	Article	IF	CITATIONS
39	Radiation Dosimetry, Artificial Intelligence and Digital Twins: Old Dog, New Tricks. Seminars in Nuclear Medicine, 2023, 53, 457-466.	2.5	5
41	The role of <scp>Al </scp> for developing digital twins in healthcare: The case of cancer care. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2023, 13, .	4.6	19
42	Digital Twins: A Systematic Literature Review Based on Data Analysis and Topic Modeling. Data, 2022, 7, 173.	1.2	13
44	Application of Calcium Alginate Hydrogels in Semiâ€solid Extrusion 3D Printing for the Production of Easyâ€toâ€Swallow Tablets. Advanced Engineering Materials, 0, , .	1.6	O
45	Epistemic Rights and Responsibilities of Digital Simulacra for Biomedicine. American Journal of Bioethics, 2023, 23, 43-54.	0.5	16
46	Mathematical modeling of antihypertensive therapy. Frontiers in Physiology, 0, 13, .	1.3	4
47	Hyperreal Patients. Digital Twins as Simulacra and their impact on clinical heuristics. Techno:Phil, 2023, , 193-207.	0.3	1
48	A New General Framework for Response Prediction of Composite Structures Based on Digital Twin with Three Effective Error Correction Strategies. Applied Composite Materials, 0, , .	1.3	0
49	Study on the Applicability of Digital Twins for Home Remote Motor Rehabilitation. Sensors, 2023, 23, 911.	2.1	4
50	The Medical Metaverse, Part 1: Introduction, Definitions, and New Horizons for Neuropsychiatry. Journal of Neuropsychiatry and Clinical Neurosciences, 2023, 35, A4-3.	0.9	9
51	A Review of Image-Based Simulation Applications in High-Value Manufacturing. Archives of Computational Methods in Engineering, 2023, 30, 1495-1552.	6.0	8
52	Digital twin in healthcare: Recent updates and challenges. Digital Health, 2023, 9, 205520762211496.	0.9	31
53	Future directions in regulatory affairs. Frontiers in Medicine, 0, 9, .	1.2	2
54	Geospatial Information Based Digital Twins for Healthcare. Advances in Medical Technologies and Clinical Practice Book Series, 2022, , 131-144.	0.3	0
55	A systematic review of digital twin about physical entities, virtual models, twin data, and applications. Advanced Engineering Informatics, 2023, 55, 101876.	4.0	53
56	Digital Twins for Predictive, Preventive Personalized, and Participatory Treatment of Immune-Mediated Diseases. Arteriosclerosis, Thrombosis, and Vascular Biology, 2023, 43, 410-416.	1.1	3
57	COVIDMe: a digital twin for COVID-19 self-assessment and detection., 2023,, 137-156.		0
58	Review of Artificial Intelligence–Based Signal Processing in Dialysis: Challenges for Machine-Embedded and Complementary Applications. , 2023, 30, 40-46.		1

#	Article	IF	CITATIONS
59	The emerging role of artificial intelligence and digital twins in pre-clinical molecular imaging. Nuclear Medicine and Biology, 2023, 120-121, 108337.	0.3	5
60	Exploring the revolution in healthcare systems through the applications of digital twin technology. , 2023, 4, 28-38.		20
61	Barriers to the Adoption of Digital Twin in the Construction Industry: A Literature Review. Informatics, 2023, 10, 14.	2.4	11
62	Digital-Twin-Based Real-Time Optimization for a Fractional Order Controller for Industrial Robots. Fractal and Fractional, 2023, 7, 167.	1.6	5
64	The novel emergency hospital services for patients using digital twins. Microprocessors and Microsystems, 2023, 98, 104794.	1.8	8
65	Impact of Digital Twins on Smart Cities. Advances in Civil and Industrial Engineering Book Series, 2022, , 104-126.	0.2	0
66	The study on TAVR Medical Twin Method Based on Real World Data(RWD). , 2023, , .		0
67	SIGNED: Smart city diGital twiN vErifiable Data Framework. IEEE Access, 2023, 11, 29430-29446.	2.6	1
68	Co-simulation of human digital twins and wearable inertial sensors to analyse gait event estimation. Frontiers in Bioengineering and Biotechnology, 0, 11 , .	2.0	1
69	Digital twin concept: Healthcare, education, research. Journal of Pathology Informatics, 2023, 14, 100313.	0.8	2
70	N-of-1 Trials in Cancer Drug Development. Cancer Discovery, 2023, 13, 1301-1309.	7.7	6
71	Metaverse for Digital Anti-Aging Healthcare: An Overview of Potential Use Cases Based on Artificial Intelligence, Blockchain, IoT Technologies, Its Challenges, and Future Directions. Applied Sciences (Switzerland), 2023, 13, 5127.	1.3	20
72	Multi-Omics and Management of Follicular Carcinoma of the Thyroid. Biomedicines, 2023, 11, 1217.	1.4	2
85	How Healthcare Systems Engineering can Benefit from Digital Twins?., 2023,,.		2
88	Automated Reporting of Medical Diagnostic Imaging for Early Disease and Aging Biomarkers Detection. Healthy Ageing and Longevity, 2023, , 15-30.	0.2	0
93	Critical Appraisal of Using Digital Human Model, Virtual Human, Human Digital Twin and Digital Twin. Lecture Notes in Networks and Systems, 2023, , 154-158.	0.5	0
98	Society 5.0: Realizing Next-Generation Healthcare. , 2023, , 1-30.		1
100	A Digital Twin Based Approach in Healthcare. , 2023, , .		0

#	Article	IF	CITATIONS
102	Complex data representation, modeling and computational power for a personalized dialysis., 2023,, 219-236.		O
111	Multiplicity of Time Scales in Blood Cell Formation and Leukemia. Mathematics Online First Collections, 2023, , 327-399.	0.1	0
112	Digital Twin Technology: Opportunities and Challenges for Smart Era's Applications. , 2023, , .		1
113	The Metaverse for Intelligent Healthcare using XAI, Blockchain, and Immersive Technology. , 2023, , .		2
114	Health Informatics and Patient Safety in Pharmacotherapy. Lecture Notes in Computer Science, 2023, , 366-374.	1.0	0
118	Digital Twins for Health: Opportunities, Barriers and a Path Forward. , 0, , .		0
120	A Multidisciplinary Explanation of Healthcare Al Uses, Trends, and Possibilities. , 2023, , 87-99.		0
124	Role of Internet-of-Things During Covid-19. , 2023, , 129-213.		O
135	Digital Twins: On Algorithm-Based Political Participation. Philosophy and Politics, 2024, , 61-79.	0.1	0
137	A Review of the Concept, Applications, Risks and Control Strategies for Digital Twin. Lecture Notes in Networks and Systems, 2024, , 264-282.	0.5	0
142	MAI: A Very Short History and the State of the Art. The International Library of Ethics, Law and Technology, 2024, , 23-53.	0.2	0