

Yu Rang Park

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

2,046
citations

448610

19
h-index

325983

40
g-index

149
all docs

149
docs citations

149
times ranked

4651
citing authors

#	ARTICLE	IF	CITATIONS
1	Using deep learning with attention mechanism for identification of novel temporal data patterns for prediction of ICU mortality. <i>Informatics in Medicine Unlocked</i> , 2022, 29, 100875.	1.9	1
2	Implementation of an integrated home internet of things system for vulnerable older adults using a frailty-centered approach. <i>Scientific Reports</i> , 2022, 12, 1922.	1.6	5
3	Weight Loss Trajectories and Related Factors in a 16-Week Mobile Obesity Intervention Program: Retrospective Observational Study. <i>Journal of Medical Internet Research</i> , 2022, 24, e29380.	2.1	1
4	Development and Application of a Metaverse-Based Social Skills Training Program for Children With Autism Spectrum Disorder to Improve Social Interaction: Protocol for a Randomized Controlled Trial. <i>JMIR Research Protocols</i> , 2022, 11, e35960.	0.5	41
5	Lifelog Data-Based Prediction Model of Digital Health Care App Customer Churn: Retrospective Observational Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e22184.	2.1	10
6	Local Differential Privacy in the Medical Domain to Protect Sensitive Information: Algorithm Development and Real-World Validation. <i>JMIR Medical Informatics</i> , 2021, 9, e26914.	1.3	1
7	Sharing genetic variants with the NGS pipeline is essential for effective genomic data sharing and reproducibility in health information exchange. <i>Scientific Reports</i> , 2021, 11, 2268.	1.6	1
8	Interpretable Conditional Recurrent Neural Network for Weight Change Prediction: Algorithm Development and Validation Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e22183.	1.8	3
9	Weight-Based Framework for Predictive Modeling of Multiple Databases With Noniterative Communication Without Data Sharing: Privacy-Protecting Analytic Method for Multi-Institutional Studies. <i>JMIR Medical Informatics</i> , 2021, 9, e21043.	1.3	2
10	Review of National-Level Personal Health Records in Advanced Countries. <i>Healthcare Informatics Research</i> , 2021, 27, 102-109.	1.0	10
11	Comparative Analysis of Single and Combined Antipyretics Using Patient-Generated Health Data: Retrospective Observational Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e21668.	1.8	2
12	Evaluation of the Privacy Risks of Personal Health Identifiers and Quasi-Identifiers in a Distributed Research Network: Development and Validation Study. <i>JMIR Medical Informatics</i> , 2021, 9, e24940.	1.3	0
13	Automated computed tomography (CT)-derived skeletal muscle mass determination as a significant prognostic factor in colorectal cancer patients using deep neural network model.. <i>Journal of Clinical Oncology</i> , 2021, 39, 3534-3534.	0.8	0
14	A Prediction Model for Detecting Developmental Disabilities in Preschool-Age Children Through Digital Biomarker-Driven Deep Learning in Serious Games: Development Study. <i>JMIR Serious Games</i> , 2021, 9, e23130.	1.7	13
15	Implementing Vertical Federated Learning Using Autoencoders: Practical Application, Generalizability, and Utility Study. <i>JMIR Medical Informatics</i> , 2021, 9, e26598.	1.3	14
16	The Aging Study of Pyeongchang Rural Area (ASPRA): Findings and Perspectives for Human Aging, Frailty, and Disability. <i>Annals of Geriatric Medicine and Research</i> , 2021, 25, 160-169.	0.7	4
17	GLRX3, a novel cancer stem cell-related secretory biomarker of pancreatic ductal adenocarcinoma. <i>BMC Cancer</i> , 2021, 21, 1241.	1.1	7
18	The Aging Study of Pyeongchang Rural Area (ASPRA): Findings and Perspectives for Human Aging, Frailty, and Disability. <i>Annals of Geriatric Medicine and Research</i> , 2021, 25, 160-169.	0.7	8

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19	Pre-screening of patient-reported symptoms using the Edmonton Symptom Assessment System in outpatient palliative cancer care. <i>European Journal of Cancer Care</i> , 2020, 29, e13305.	0.7	10
20	Composite CDE: modeling composite relationships between common data elements for representing complex clinical data. <i>BMC Medical Informatics and Decision Making</i> , 2020, 20, 147.	1.5	5
21	Evaluating waiting time with real-world health information in a high-volume cancer center. <i>Medicine (United States)</i> , 2020, 99, e21796.	0.4	2
22	Longitudinal trajectory of disability in community-dwelling older adults: An observational cohort study in South Korea. <i>BMC Geriatrics</i> , 2020, 20, 430.	1.1	8
23	Gene regulatory network analysis with drug sensitivity reveals synergistic effects of combinatory chemotherapy in gastric cancer. <i>Scientific Reports</i> , 2020, 10, 3932.	1.6	9
24	Role of Preoperative Chemoradiotherapy in Clinical Stage II/III Rectal Cancer Patients Undergoing Total Mesorectal Excision: A Retrospective Propensity Score Analysis. <i>Frontiers in Oncology</i> , 2020, 10, 609313.	1.3	4
25	The Use of Mobile Personal Health Records for Hemoglobin A1c Regulation in Patients With Diabetes: Retrospective Observational Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e15372.	2.1	10
26	Development of a Real-Time Risk Prediction Model for In-Hospital Cardiac Arrest in Critically Ill Patients Using Deep Learning: Retrospective Study. <i>JMIR Medical Informatics</i> , 2020, 8, e16349.	1.3	15
27	Discrepancies in Demand of Internet of Things Services Among Older People and People With Disabilities, Their Caregivers, and Health Care Providers: Face-to-Face Survey Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e16614.	2.1	24
28	A Mobile Technology for Collecting Patient-Reported Physical Activity and Distress Outcomes: Cross-Sectional Cohort Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e17320.	1.8	10
29	Personal Health Information Inference Using Machine Learning on RNA Expression Data from Patients With Cancer: Algorithm Validation Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e18387.	2.1	3
30	A Patient Self-Checkup App for COVID-19: Development and Usage Pattern Analysis. <i>Journal of Medical Internet Research</i> , 2020, 22, e19665.	2.1	10
31	COVID-19 Outcome Prediction and Monitoring Solution for Military Hospitals in South Korea: Development and Evaluation of an Application. <i>Journal of Medical Internet Research</i> , 2020, 22, e22131.	2.1	12
32	Feasibility of Asynchronous and Automated Telemedicine in Otolaryngology: Prospective Cross-Sectional Study. <i>JMIR Medical Informatics</i> , 2020, 8, e23680.	1.3	7
33	Developing a Mobile App for Monitoring Medical Record Changes Using Blockchain: Development and Usability Study. <i>Journal of Medical Internet Research</i> , 2020, 22, e19657.	2.1	10
34	Expedited Safety Reporting to Sponsors Through the Implementation of an Alert System for Clinical Trial Management at an Academic Medical Center: Retrospective Design Study. <i>JMIR Medical Informatics</i> , 2020, 8, e14379.	1.3	0
35	Trajectory Analysis for Long-Term Mortality in Survivors of Childhood Cancer: A Korean Nationwide Observational Study. <i>Blood</i> , 2020, 136, 5-6.	0.6	0
36	A Study of the Possibility of Detecting Pediatric Mild Developmental Delay Through a Serious Game: A Randomized Cluster Trial in Cambodia. <i>Studies in Health Technology and Informatics</i> , 2020, 270, 736-740.	0.2	0

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37	Developing a Mobile App for Patients to Monitor Medical Record Changes Using Blockchain. <i>Studies in Health Technology and Informatics</i> , 2020, 270, 1249-1250.	0.2	0
38	Prognostic Implication of pAMPK Immunohistochemical Staining by Subcellular Location and Its Association with SMAD Protein Expression in Clear Cell Renal Cell Carcinoma. <i>Cancers</i> , 2019, 11, 1602.	1.7	8
39	Clinical MetaData ontology: a simple classification scheme for data elements of clinical data based on semantics. <i>BMC Medical Informatics and Decision Making</i> , 2019, 19, 166.	1.5	7
40	Survival benefit of first-generation epidermal growth factor receptor tyrosine kinase inhibitors in female with advanced lung cancer. <i>Tumori</i> , 2019, 105, 216-224.	0.6	1
41	Prescription Refill Gap of Endocrine Treatment from Electronic Medical Records as a Prognostic Factor in Breast Cancer Patients. <i>Journal of Breast Cancer</i> , 2019, 22, 86.	0.8	9
42	Event-free survival following early endometrial events in breast cancer patients treated with anti-hormonal therapy. <i>Medicine (United States)</i> , 2019, 98, e13976.	0.4	4
43	Medical resource utilization patterns and mortality rates according to age among critically ill patients admitted to a medical intensive care unit. <i>Medicine (United States)</i> , 2019, 98, e15835.	0.4	3
44	Modification of the prolonged mechanical ventilation prognostic model score to predict short-term and 1-year mortalities. <i>Respirology</i> , 2019, 24, 179-185.	1.3	9
45	Postvaccination Fever Response Rates in Children Derived Using the Fever Coach Mobile App: A Retrospective Observational Study. <i>JMIR MHealth and UHealth</i> , 2019, 7, e12223.	1.8	7
46	Is Blockchain Technology Suitable for Managing Personal Health Records? Mixed-Methods Study to Test Feasibility. <i>Journal of Medical Internet Research</i> , 2019, 21, e12533.	2.1	74
47	Mobile Health Management Platform-Based Pulmonary Rehabilitation for Patients With Non-Small Cell Lung Cancer: Prospective Clinical Trial. <i>JMIR MHealth and UHealth</i> , 2019, 7, e12645.	1.8	31
48	Genomic Common Data Model for Seamless Interoperation of Biomedical Data in Clinical Practice: Retrospective Study. <i>Journal of Medical Internet Research</i> , 2019, 21, e13249.	2.1	19
49	An Assessment of Physical Activity Data Collected via a Smartphone App and a Smart Band in Breast Cancer Survivors: Observational Study. <i>Journal of Medical Internet Research</i> , 2019, 21, e13463.	2.1	28
50	Why Do Data Users Say Health Care Data Are Difficult to Use? A Cross-Sectional Survey Study. <i>Journal of Medical Internet Research</i> , 2019, 21, e14126.	2.1	9
51	A Serious Game-Derived Index for Detecting Children With Heterogeneous Developmental Disabilities: Randomized Controlled Trial. <i>JMIR Serious Games</i> , 2019, 7, e14924.	1.7	10
52	Exercise Promotion and Distress Reduction Using a Mobile App-Based Community in Breast Cancer Survivors. <i>Frontiers in Oncology</i> , 2019, 9, 1505.	1.3	23
53	Genomic Common Data Model for Biomedical Data in Clinical Practice. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 1843-1844.	0.2	3
54	A Filtering Method for Identification of Significant Target mRNAs of Coexpressed and Differentially Expressed MicroRNA Clusters. <i>Journal of Healthcare Engineering</i> , 2018, 2018, 1-6.	1.1	0

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55	Enchanted Life Space: Adding Value to Smart Health by Integrating Human Desires. <i>Healthcare Informatics Research</i> , 2018, 24, 3.	1.0	13
56	Effect of self-monitoring on long-term patient engagement with mobile health applications. <i>PLoS ONE</i> , 2018, 13, e0201166.	1.1	105
57	Impact of a Wearable Device-Based Walking Programs in Rural Older Adults on Physical Activity and Health Outcomes: Cohort Study. <i>JMIR MHealth and UHealth</i> , 2018, 6, e11335.	1.8	52
58	Utilization of a Clinical Trial Management System for the Whole Clinical Trial Process as an Integrated Database: System Development. <i>Journal of Medical Internet Research</i> , 2018, 20, e103.	2.1	28
59	Managing Patient-Generated Health Data Through Mobile Personal Health Records: Analysis of Usage Data. <i>JMIR MHealth and UHealth</i> , 2018, 6, e89.	1.8	45
60	A Cardiopulmonary Monitoring System for Patient Transport Within Hospitals Using Mobile Internet of Things Technology: Observational Validation Study. <i>JMIR MHealth and UHealth</i> , 2018, 6, e12048.	1.8	4
61	An Interpretable ICU Mortality Prediction Model Based on Logistic Regression and Recurrent Neural Networks with LSTM units. <i>AMIA ... Annual Symposium proceedings</i> , 2018, 2018, 460-469.	0.2	19
62	<i>GAB2</i> Amplification in Squamous Cell Lung Cancer of Non-Smokers. <i>Journal of Korean Medical Science</i> , 2017, 32, 1784.	1.1	14
63	Status and Direction of Healthcare Data in Korea for Artificial Intelligence. <i>Hanyang Medical Reviews</i> , 2017, 37, 86.	0.4	9
64	Prolonged effect of air pollution on pneumonia: a nationwide cohort study. , 2017, , .		5
65	Interaction between body mass index and hormone-receptor status as a prognostic factor in lymph-node-positive breast cancer. <i>PLoS ONE</i> , 2017, 12, e0170311.	1.1	15
66	Usage Pattern Differences and Similarities of Mobile Electronic Medical Records Among Health Care Providers. <i>JMIR MHealth and UHealth</i> , 2017, 5, e178.	1.8	12
67	A method to decipher pleiotropy by detecting underlying heterogeneity driven by hidden subgroups applied to autoimmune and neuropsychiatric diseases. <i>Nature Genetics</i> , 2016, 48, 803-810.	9.4	62
68	Geraniol suppresses prostate cancer growth through downregulation of E2F8. <i>Cancer Medicine</i> , 2016, 5, 2899-2908.	1.3	42
69	Establishment of Kawasaki disease database based on metadata standard. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw109.	1.4	6
70	Analysis of five chronic inflammatory diseases identifies 27 new associations and highlights disease-specific patterns at shared loci. <i>Nature Genetics</i> , 2016, 48, 510-518.	9.4	617
71	Data-driven Analysis of TRP Channels in Cancer: Linking Variation in Gene Expression to Clinical Significance. <i>Cancer Genomics and Proteomics</i> , 2016, 13, 83-90.	1.0	55
72	A De-identification Method for Bilingual Clinical Texts of Various Note Types. <i>Journal of Korean Medical Science</i> , 2015, 30, 7.	1.1	63

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73	Propensity Score Matching: A Conceptual Review for Radiology Researchers. Korean Journal of Radiology, 2015, 16, 286.	1.5	141
74	Smartphone Applications with Sensors Used in a Tertiary Hospitalâ€”Current Status and Future Challenges. Sensors, 2015, 15, 9854-9869.	2.1	22
75	Knowledge boosting: a graph-based integration approach with multi-omics data and genomic knowledge for cancer clinical outcome prediction. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 109-120.	2.2	79
76	Establishing the role of honest broker: bridging the gap between protecting personal health data and clinical research efficiency. PeerJ, 2015, 3, e1506.	0.9	21
77	DialysisNet: Application for Integrating and Management Data Sources of Hemodialysis Information by Continuity of Care Record. Healthcare Informatics Research, 2014, 20, 145.	1.0	12
78	Clinical Data Element Ontology for Unified Indexing and Retrieval of Data Elements across Multiple Metadata Registries. Healthcare Informatics Research, 2014, 20, 295.	1.0	7
79	CCR+: Metadata Based Extended Personal Health Record Data Model Interoperable with the ASTM CCR Standard. Healthcare Informatics Research, 2014, 20, 39.	1.0	4
80	Prediction of Microbial Infection of Cultured Cells Using DNA Microarray Gene-Expression Profiles of Host Responses. Journal of Korean Medical Science, 2012, 27, 1129.	1.1	1
81	Establishing semantic interoperability in the course of clinical document exchange using international standard for metadata registry. Journal of the Korean Medical Association, 2012, 55, 729.	0.1	7
82	GOChase-II: correcting semantic inconsistencies from Gene Ontology-based annotations for gene products. BMC Bioinformatics, 2011, 12, S40.	1.2	11
83	CDISC Transformer: a metadata-based transformation tool for clinical trial and research data into CDISC standards. KSII Transactions on Internet and Information Systems, 2011, 5, .	0.7	14
84	BioEMR: an integrative framework for cancer research with multiple genomic technologies. Summit on Translational Bioinformatics, 2008, 2008, 81-4.	0.7	3
85	PhactaManager: A Clinical Trial Management System Incorporating an XML Layer as a Database-Independent Processing Platform. Journal of Korean Society of Medical Informatics, 2007, 13, 99.	0.3	0
86	Cancer genomics object model: an object model for multiple functional genomics data for cancer research. Studies in Health Technology and Informatics, 2007, 129, 1235-9.	0.2	2
87	The Tissue Microarray Object Model: A Data Model for Storage, Analysis, and Exchange of Tissue Microarray Experimental Data. Archives of Pathology and Laboratory Medicine, 2006, 130, 1004-1013.	1.2	22
88	GOChase: correcting errors from Gene Ontology-based annotations for gene products. Bioinformatics, 2005, 21, 829-831.	1.8	16
89	Presentation of Structural Constraints for Discharge Note According to Clinical Document Architecture Standard. Journal of Korean Society of Medical Informatics, 2005, 11, 189.	0.3	1
90	Integrating microarray gene expression object model and clinical document architecture for cancer genomics research. AMIA ... Annual Symposium proceedings, 2005, , 1073.	0.2	1

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91	A Study of Effective Unified Medical Language System Concept Indexing in Radiology Reports. Journal of Korean Society of Medical Informatics, 2004, 10, 295.	0.3	0
92	Development of Microarray Gene Expression Database for MicroArray Gene Expression Markup Language. Journal of Korean Society of Medical Informatics, 2004, 10, 347.	0.3	0
93	Database Design for Microarray Data Exchange Model MAGE-OM (Micro array Gene Expression-Object) Tj ETQq1 1 0.784314rgBT /Ove	0.3	0
94	Deriving Key Architectural Features of FHIR-BlockChain Integration through the Qualitative Content Analysis (Preprint). JMIR Formative Research, 0, , .	0.7	0