Rae Woong Park

List of Publications by Year
in descending order

119 papers	3,382 citations	201674 27 h-index	175258 52 g-index
132 all docs	132 docs citations	132 times ranked	5253 citing authors

#	Article	IF	Citations
1	Comparative risk of incidence and clinical outcomes of COVID-19 among proton pump inhibitor and histamine-2 receptor antagonist short-term users: a nationwide retrospective cohort study. BMC Pharmacology & Toxicology, 2022, 23, 9.	2.4	1
2	Renin-Angiotensin-Aldosterone System Inhibitors and Risk of Cancer: A Population-Based Cohort Study Using a Common Data Model. Diagnostics, 2022, 12, 263.	2.6	3
3	Development and Validation of the Radiology Common Data Model (R-CDM) for the International Standardization of Medical Imaging Data. Yonsei Medical Journal, 2022, 63, S74.	2.2	13
4	Analysis of Dual Combination Therapies Used in Treatment of Hypertension in a Multinational Cohort. JAMA Network Open, 2022, 5, e223877.	5.9	9
5	DLMM as a lossless one-shot algorithm for collaborative multi-site distributed linear mixed models. Nature Communications, 2022, 13, 1678.	12.8	9
6	Unraveling COVID-19: A Large-Scale Characterization of 4.5 Million COVID-19 Cases Using CHARYBDIS. Clinical Epidemiology, 2022, Volume 14, 369-384.	3.0	11
7	Psychosis Relapse Prediction Leveraging Electronic Health Records Data and Natural Language Processing Enrichment Methods. Frontiers in Psychiatry, 2022, 13, 844442.	2.6	4
8	Cycle-consistent adversarial networks improves generalizability of radiomics model in grading meningiomas on external validation. Scientific Reports, 2022, 12, 7042.	3.3	7
9	Applying the OMOP Common Data Model to Facilitate Benefit-Risk Assessments of Medicinal Products Using Real-World Data from Singapore and South Korea. Healthcare Informatics Research, 2022, 28, 112-122.	1.9	7
10	Machine-learning model to predict the cause of death using a stacking ensemble method for observational data. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 1098-1107.	4.4	22
11	Style transfer strategy for developing a generalizable deep learning application in digital pathology. Computer Methods and Programs in Biomedicine, 2021, 198, 105815.	4.7	23
12	Reninâ€“angiotensin system blockers and susceptibility to COVID-19: an international, open science, cohort analysis. The Lancet Digital Health, 2021, 3, e98-e114.	12.3	94
13	COVID-19 International Collaborative Research by the Health Insurance Review and Assessment Service Using Its Nationwide Real-world Data: Database, Outcomes, and Implications. Journal of Preventive Medicine and Public Health, 2021, 54, 8-16.	1.9	8
14	Extending the OMOP Common Data Model and Standardized Vocabularies to Support Observational Cancer Research. JCO Clinical Cancer Informatics, 2021, 5, 12-20.	2.1	34
15	Using an Extended Technology Acceptance Model to Understand the Factors Influencing Telehealth Utilization After Flattening the COVID-19 Curve in South Korea: Cross-sectional Survey Study. JMIR Medical Informatics, 2021, 9, e25435.	2.6	47
16	Association Between Suicide Risk and Comorbidity of Mood Disorder and Alcohol Use Disorder: Using Common Data Model in Psychiatry. Journal of Korean Neuropsychiatric Association, 2021, 60, 232.	0.5	0
17	Incorporation of Korean Electronic Data Interchange Vocabulary into Observational Medical Outcomes Partnership Vocabulary. Healthcare Informatics Research, 2021, 27, 29-38.	1.9	10
18	A Framework (SOCRATex) for Hierarchical Annotation of Unstructured Electronic Health Records and Integration Into a Standardized Medical Database: Development and Usability Study. JMIR Medical Informatics, 2021, 9, e23983.	2.6	8

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19	Implementation of the COVID-19 Vulnerability Index Across an International Network of Health Care Data Sets: Collaborative External Validation Study. JMIR Medical Informatics, 2021, 9, e21547.	2.6	11
20	Characterizing the Anticancer Treatment Trajectory and Pattern in Patients Receiving Chemotherapy for Cancer Using Harmonized Observational Databases: Retrospective Study. JMIR Medical Informatics, 2021, 9, e25035.	2.6	6
21	Comprehensive Comparative Effectiveness and Safety of First-Line Î²-Blocker Monotherapy in Hypertensive Patients. Hypertension, 2021, 77, 1528-1538.	2.7	20
22	Predictability of Mortality in Patients With Myocardial Injury After Noncardiac Surgery Based on Perioperative Factors via Machine Learning: Retrospective Study. JMIR Medical Informatics, 2021, 9, e32771.	2.6	6
23	Characteristics of Dimensional Psychopathology in Suicidal Patients With Major Psychiatric Disorders and Its Association With the Length of Hospital Stay: Algorithm Validation Study. JMIR Mental Health, 2021, 8, e30827.	3.3	1
24	A standardized analytics pipeline for reliable and rapid development and validation of prediction models using observational health data. Computer Methods and Programs in Biomedicine, 2021, 211, 106394.	4.7	18
25	Risk of depression, suicide and psychosis with hydroxychloroquine treatment for rheumatoid arthritis: a multinational network cohort study. Rheumatology, 2021, 60, 3222-3234.	1.9	20
26	Characterization of Medication Trends for Chronic Kidney Disease: Mineral and Bone Disorder Treatment Using Electronic Health Record-Based Common Data Model. BioMed Research International, 2021, 2021, 1-10.	1.9	2
27	Machine Learning Approach Using Routine Immediate Postoperative Laboratory Values for Predicting Postoperative Mortality. Journal of Personalized Medicine, 2021, 11, 1271.	2.5	1
28	Predictors of diagnostic transition from major depressive disorder to bipolar disorder: a retrospective observational network study. Translational Psychiatry, 2021, 11, 642.	4.8	14
29	Risk of Mortality in Elderly Coronavirus Disease 2019 Patients With Mental Health Disorders: A Nationwide Retrospective Study in South Korea. American Journal of Geriatric Psychiatry, 2020, 28, 1308-1316.	1.2	12
30	Deep phenotyping of 34,128 adult patients hospitalised with COVID-19 in an international network study. Nature Communications, 2020, 11, 5009.	12.8	86
31	Feasibility and evaluation of a large-scale external validation approach for patient-level prediction in an international data network: validation of models predicting stroke in female patients newly diagnosed with atrial fibrillation. BMC Medical Research Methodology, 2020, 20, 102.	3.1	22
32	Association of Ticagrelor vs Clopidogrel With Net Adverse Clinical Events in Patients With Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention. JAMA - Journal of the American Medical Association, 2020, 324, 1640.	7.4	112
33	Risk of hydroxychloroquine alone and in combination with azithromycin in the treatment of rheumatoid arthritis: a multinational, retrospective study. Lancet Rheumatology, The, 2020, 2, e698-e711.	3.9	117
34	Prediction of Major Depressive Disorder Following Beta-Blocker Therapy in Patients with Cardiovascular Diseases. Journal of Personalized Medicine, 2020, 10, 288.	2.5	11
35	Application of Epidemiological Geographic Information System: An Open-Source Spatial Analysis Tool Based on the OMOP Common Data Model. International Journal of Environmental Research and Public Health, 2020, 17, 7824.	2.6	4
36	Application of a Common Data Model (CDM) to rank the paediatric user and prescription prevalence of 15 different drug classes in South Korea, Hong Kong, Taiwan, Japan and Australia: an observational, descriptive study. BMJ Open, 2020, 10, e032426.	1.9	3

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37	Risk Stratification Using Multivariable Fractional Polynomials in Diffuse Large B-Cell Lymphoma. Frontiers in Oncology, 2020, 10, 329.	2.8	8
38	Effect of Age on the Initiation of Biologic Agent Therapy in Patients With Inflammatory Bowel Disease: Korean Common Data Model Cohort Study. JMIR Medical Informatics, 2020, 8, e15124.	2.6	7
39	Comparison of First-Line Dual Combination Treatments in Hypertension: Real-World Evidence from Multinational Heterogeneous Cohorts. Korean Circulation Journal, 2020, 50, 52.	1.9	19
40	Association between Full Electronic Medical Record System Adoption and Drug Use: Antibiotics and Polypharmacy. Healthcare Informatics Research, 2020, 26, 68.	1.9	6
41	Analysis of Adverse Drug Reactions Identified in Nursing Notes Using Reinforcement Learning. Healthcare Informatics Research, 2020, 26, 104-111.	1.9	10
42	Depressive Symptom Network Associated With Comorbid Anxiety in Late-Life Depression. Frontiers in Psychiatry, 2019, 10, 856.	2.6	14
43	Development of a Controlled Vocabulary-Based Adverse Drug Reaction Signal Dictionary for Multicenter Electronic Health Record-Based Pharmacovigilance. Drug Safety, 2019, 42, 657-670.	3.2	14
44	Genomic Common Data Model for Seamless Interoperation of Biomedical Data in Clinical Practice: Retrospective Study. Journal of Medical Internet Research, 2019, 21, e13249.	4.3	19
45	Olmesartan is not associated with the risk of enteropathy: a Korean nationwide observational cohort study. Korean Journal of Internal Medicine, 2019, 34, 90-98.	1.7	11
46	The Distributed Research Network, Observational Health Data Sciences and Informatics, and the South Korean Research Network. Korean Journal of Medicine, 2019, 94, 309-314.	0.3	13
47	Lung dose and the potential risk of death in postoperative radiation therapy for non-small cell lung cancer: A study using the method of stratified grouping. Radiotherapy and Oncology, 2018, 129, 61-67.	0.6	2
48	Uncovering exposures responsible for birth season â€“ disease effects: a global study. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 275-288.	4.4	33
49	Application and optimisation of the Comparison on Extreme Laboratory Tests (CERT) algorithm for detection of adverse drug reactions: Transferability across national boundaries. Pharmacoepidemiology and Drug Safety, 2018, 27, 87-94.	1.9	6
50	Machine learning model combining features from algorithms with different analytical methodologies to detect laboratory-event-related adverse drug reaction signals. PLoS ONE, 2018, 13, e0207749.	2.5	35
51	Can we predict when to start renal replacement therapy in patients with chronic kidney disease using 6 months of clinical data?. PLoS ONE, 2018, 13, e0204586.	2.5	4
52	Construction of an Electrocardiogram Database Including 12 Lead Waveforms. Healthcare Informatics Research, 2018, 24, 242.	1.9	13
53	Rate control and clinical outcomes in patients with atrial fibrillation and obstructive lung disease. Heart Rhythm, 2018, 15, 1825-1832.	0.7	8
54	Applying a common data model to Asian databases for multinational pharmacoepidemiologic studies: opportunities and challenges. Clinical Epidemiology, 2018, Volume 10, 875-885.	3.0	24

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55	Association of Hemoglobin A_{1c} Levels With Use of Sulfonylureas, Dipeptidyl Peptidase 4 Inhibitors, and Thiazolidinediones in Patients With Type 2 Diabetes Treated With Metformin. JAMA Network Open, 2018, 1, e181755.	5.9	54
56	Rate of electronic health record adoption in South Korea: A nation-wide survey. International Journal of Medical Informatics, 2017, 101, 100-107.	3.3	49
57	Genetic and Non-Genetic Factors Affecting the Quality of Anticoagulation Control and Vascular Events in Atrial Fibrillation. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 1383-1390.	1.6	13
58	Adjuvant concurrent chemoradiotherapy with low-dose daily cisplatin for extrahepatic bile duct cancer. Cancer Chemotherapy and Pharmacology, 2017, 79, 1161-1167.	2.3	2
59	Standard-based comprehensive detection of adverse drug reaction signals from nursing statements and laboratory results in electronic health records. Journal of the American Medical Informatics Association: JAMIA, 2017, 24, 697-708.	4.4	20
60	Sharing Clinical Big Data While Protecting Confidentiality and Security: Observational Health Data Sciences and Informatics. Healthcare Informatics Research, 2017, 23, 1.	1.9	13
61	ECG-ViEW II, a freely accessible electrocardiogram database. PLoS ONE, 2017, 12, e0176222.	2.5	19
62	System for Collecting Biosignal Data from Multiple Patient Monitoring Systems. Healthcare Informatics Research, 2017, 23, 333.	1.9	13
63	Multisite Evaluation of a Data Quality Tool for Patient-Level Clinical Datasets. EGEMS (Washington,) Tj ETQq1 1 0.784314 rgBT /Overlo	2.0	37
64	Extracting information from free-text electronic patient records to identify practice-based evidence of the performance of coronary stents. PLoS ONE, 2017, 12, e0182889.	2.5	8
65	Conversion of National Health Insurance Service-National Sample Cohort (NHIS-NSC) Database into Observational Medical Outcomes Partnership-Common Data Model (OMOP-CDM). Studies in Health Technology and Informatics, 2017, 245, 467-470.	0.3	23
66	Constructing an Open-Access Bio-Signal Repository from Intensive Care Units. Studies in Health Technology and Informatics, 2017, 245, 1271.	0.3	1
67	New Alert Override Codes for the Drug Utilization Review System Derived from Outpatient Prescription Data from a Tertiary Teaching Hospital in Korea. Healthcare Informatics Research, 2016, 22, 39.	1.9	8
68	Conversion and Data Quality Assessment of Electronic Health Record Data at a Korean Tertiary Teaching Hospital to a Common Data Model for Distributed Network Research. Healthcare Informatics Research, 2016, 22, 54.	1.9	54
69	Renal Protective Effect of DPP-4 Inhibitors in Type 2 Diabetes Mellitus Patients: A Cohort Study. Journal of Diabetes Research, 2016, 2016, 1-9.	2.3	33
70	Impact of statins on risk of new onset diabetes mellitus: a population-based cohort study using the Korean National Health Insurance claims database. Therapeutics and Clinical Risk Management, 2016, Volume 12, 1533-1543.	2.0	23
71	Nomogram of Naive Bayesian Model for Recurrence Prediction of Breast Cancer. Healthcare Informatics Research, 2016, 22, 89.	1.9	31
72	A normalization method for combination of laboratory test results from different electronic healthcare databases in a distributed research network. Pharmacoepidemiology and Drug Safety, 2016, 25, 307-316.	1.9	7

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73	Provider risk factors for medication administration error alerts: analyses of a largeâ€scale closedâ€loop medication administration system using RFID and barcode. Pharmacoepidemiology and Drug Safety, 2016, 25, 1387-1396.	1.9	21
74	Characterizing treatment pathways at scale using the OHDSI network. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7329-7336.	7.1	256
75	The relationship between the failure to eradicate Helicobacter pylori and previous antibiotics use. Digestive and Liver Disease, 2016, 48, 385-390.	0.9	56
76	Comparison of the Risk of Gastrointestinal Bleeding among Different Statin Exposures with Concomitant Administration of Warfarin: Electronic Health Record-Based Retrospective Cohort Study. PLoS ONE, 2016, 11, e0158130.	2.5	12
77	The Best Prediction Model for Trauma Outcomes of the Current Korean Population: a Comparative Study of Three Injury Severity Scoring Systems. Korean Journal of Critical Care Medicine, 2016, 31, 221-228.	0.1	9
78	Smartphone Addiction and Learning disorder, Depression, ADHD association. Journal of the Korea Academia-Industrial Cooperation Society, 2015, 16, 7599-7606.	0.1	5
79	Observational Health Data Sciences and Informatics (OHDSI): Opportunities for Observational Researchers. Studies in Health Technology and Informatics, 2015, 216, 574-8.	0.3	533
80	Differences of Reasons for Alert Overrides on Contraindicated Co-prescriptions by Admitting Department. Healthcare Informatics Research, 2014, 20, 280.	1.9	19
81	Differences among admitting departments in alerts and alert overrides for drugâ€“drug interaction. Pharmacoepidemiology and Drug Safety, 2014, 23, 390-397.	1.9	16
82	The effects of a 1.8 GHz continuous electromagnetic fields on mucociliary transport of human nasal mucosa. Laryngoscope, 2013, 123, 315-320.	2.0	6
83	Effects of a Smartphone Application on Breast Self-Examination: A Feasibility Study. Healthcare Informatics Research, 2013, 19, 250.	1.9	34
84	Comparison of neoadjuvant adriamycin and docetaxel versus adriamycin, cyclophosphamide followed by paclitaxel in patients with operable breast cancer. [Chapchi] Journal Taehan Oekwa Hakhoe, 2013, 85, 7.	1.1	5
85	A Quantitative Method for Assessment of Prescribing Patterns Using Electronic Health Records. PLoS ONE, 2013, 8, e75214.	2.5	5
86	A Feasibility Study of Smart-Phone Application on Breast Self-Examination in Korea. Journal of Mobile Technology in Medicine, 2013, 2, 19-19.	0.5	1
87	Monitoring physicians' prescription patterns on electronic health record: the prescription pattern around clinical event (PACE) algorithm. Studies in Health Technology and Informatics, 2013, 192, 986.	0.3	1
88	Evaluation of practical exercises using an intravenous simulator incorporating virtual reality and haptics device technologies. Nurse Education Today, 2012, 32, 458-463.	3.3	58
89	Comparison of Hyperkalemic Risk in Hospitalized Patients Treated with Different Angiotensin Receptor Blockers. American Journal of Cardiovascular Drugs, 2012, 12, 255-262.	2.2	12
90	Differential Diagnosis in Idiopathic Granulomatous Mastitis and Tuberculous Mastitis. Journal of Breast Cancer, 2012, 15, 111.	1.9	81

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91	Development of Novel Breast Cancer Recurrence Prediction Model Using Support Vector Machine. Journal of Breast Cancer, 2012, 15, 230.	1.9	143
92	Adoption of electronic health records in Korean tertiary teaching and general hospitals. International Journal of Medical Informatics, 2012, 81, 196-203.	3.3	68
93	A clinical research strategy using longitudinal observational data in the post-electronic health records era. Journal of the Korean Medical Association, 2012, 55, 711.	0.3	3
94	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.	0.3	7
95	A practical scoring system for predicting cirrhosis in patients with chronic viral hepatitis. Hepato-Gastroenterology, 2012, 59, 2592-7.	0.5	7
96	Comparison of in vitro maturation media of immature oocytes: the effectiveness of blastocyst culture media. Fertility and Sterility, 2011, 95, 554-557.	1.0	18
97	Telecare System for Cardiac Surgery Patients: Implementation and Effectiveness. Healthcare Informatics Research, 2011, 17, 93.	1.9	7
98	An Automated Measurement of Ciliary Beating Frequency using a Combined Optical Flow and Peak Detection. Healthcare Informatics Research, 2011, 17, 111.	1.9	21
99	High-Resolution Actigraphic Analysis of ADHD: A Wide Range of Movement Variability Observation in Three School Courses - A Pilot Study. Healthcare Informatics Research, 2011, 17, 29.	1.9	26
100	A Comparison of Intensive Care Unit Mortality Prediction Models through the Use of Data Mining Techniques. Healthcare Informatics Research, 2011, 17, 232.	1.9	116
101	Analysis of Relationship between Levofloxacin and Corrected QT Prolongation Using a Clinical Data Warehouse. Healthcare Informatics Research, 2011, 17, 58.	1.9	5
102	Interpreting Epidemiologic Evidence: Strategy for Study Design and Analysis. Healthcare Informatics Research, 2011, 17, 196.	1.9	0
103	A novel algorithm for detection of adverse drug reaction signals using a hospital electronic medical record database. Pharmacoepidemiology and Drug Safety, 2011, 20, 598-607.	1.9	53
104	Prediction of Daily Patient Numbers for a Regional Emergency Medical Center using Time Series Analysis. Healthcare Informatics Research, 2010, 16, 158.	1.9	69
105	A Hybrid Bayesian Network Model for Predicting Breast Cancer Prognosis. Journal of Korean Society of Medical Informatics, 2009, 15, 49.	0.3	44
106	Basic Concepts and Principles of Data Mining in Clinical Practice. Journal of Korean Society of Medical Informatics, 2009, 15, 175.	0.3	12
107	A Data Warehouse Based Retrospective Post-marketing Surveillance Method: A Feasibility Test with Fluoxetine. Journal of Korean Society of Medical Informatics, 2009, 15, 191.	0.3	1
108	Development and Application of the RFID System for Patient Safety. Journal of Korean Society of Medical Informatics, 2009, 15, 433.	0.3	2

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109	Overdose Rate of Drugs Requiring Renal Dose Adjustment: Data Analysis of 4ÂYears Prescriptions at a Tertiary Teaching Hospital. Journal of General Internal Medicine, 2008, 23, 423-428.	2.6	33
110	What kind of medical equations and decision trees do physicians want in their daily activities? : Analysis of one-year MedCalc 3000(R) log data. Journal of Korean Society of Medical Informatics, 2007, 13, 27.	0.3	0
111	Expression of peroxiredoxin and thioredoxin in human lung cancer and paired normal lung. Respirology, 2006, 11, 269-275.	2.3	96
112	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.	2.5	22
113	Bayesian Approaches to Clinical Trials and Health-Care Evaluation (Statics in Practice)(2004), David J. Spiegelhalter et al., John Wiley and Sons. Journal of Korean Society of Medical Informatics, 2006, 12, 179.	0.3	0
114	Development of a Medical Ontology Library: Analysis of the Clinical Terms in the Medical Records of a COPD Patient. Journal of Korean Society of Medical Informatics, 2006, 12, 21.	0.3	0
115	Computerized Physician Order Entry and Electronic Medical Record Systems in Korean Teaching and General Hospitals: Results of a 2004 Survey. Journal of the American Medical Informatics Association: JAMIA, 2005, 12, 642-647.	4.4	28
116	Automation of Abstract-Associated Work in Annual Scientific Meeting of Professional Society Using the Internet. Journal of Korean Society of Medical Informatics, 2002, 8, 37.	0.3	1
117	An Experimental Study on Telepathology System for the Optimum Image. Journal of Korean Society of Medical Informatics, 2001, 7, 93.	0.3	0
118	A case of nephrogenic diabetes insipidus caused by obstructive uropathy due to prostate cancer. Yonsei Medical Journal, 2000, 41, 150.	2.2	8
119	Application for Epidemiological Geographic Information System: An Open-Source Spatial Analysis Tool based on the Common Data Model (Preprint). JMIR Public Health and Surveillance, 0, , .	2.6	0