Sungyoung Lee

List of Publications by Year
in descending order

32 papers	574 citations	567281 15 h-index	677142 22 g-index
36 all docs	36 docs citations	36 times ranked	596 citing authors

#	ARTICLE	IF	CITATIONS
1	"Fast deep learning computer-aided diagnosis of COVID-19 based on digital chest x-ray images" Applied Intelligence, 2021, 51, 2890-2907.	5.3	66
2	Artificial intelligence for the diagnosis of heart failure. Npj Digital Medicine, 2020, 3, 54.	10.9	60
3	An Adaptive Semantic based Mediation System for Data Interoperability among Health Information Systems. Journal of Medical Systems, 2014, 38, 28.	3.6	42
4	Bimodal learning via trilogy of skip-connection deep networks for diabetic retinopathy risk progression identification. International Journal of Medical Informatics, 2019, 132, 103926.	3.3	40
5	On Curating Multimodal Sensory Data for Health and Wellness Platforms. Sensors, 2016, 16, 980.	3.8	32
6	Personalization of wellness recommendations using contextual interpretation. Expert Systems With Applications, 2018, 96, 506-521.	7.6	28
7	Ubiquitous Health Profile (UHPr): a big data curation platform for supporting health data interoperability. Computing (Vienna/New York), 2020, 102, 2409-2444.	4.8	26
8	Precision Medicine Informatics: Principles, Prospects, and Challenges. IEEE Access, 2020, 8, 13593-13612.	4.2	26
9	Medical Instructed Real-Time Assistant for Patient with Glaucoma and Diabetic Conditions. Applied Sciences (Switzerland), 2020, 10, 2216.	2.5	26
10	Convolutional Network With Twofold Feature Augmentation for Diabetic Retinopathy Recognition From Multi-Modal Images. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2686-2697.	6.3	21
11	Process interoperability in healthcare systems with dynamic semantic web services. Computing (Vienna/New York), 2013, 95, 837-862.	4.8	20
12	Retinal Vessel Segmentation using Round-wise Features Aggregation on Bracket-shaped Convolutional Neural Networks. , 2019, 2019, 36-39.		19
13	ArCAR: A Novel Deep Learning Computer-Aided Recognition for Character-Level Arabic Text Representation and Recognition. Algorithms, 2021, 14, 216.	2.1	19
14	Cross-Attentional Bracket-shaped Convolutional Network for semantic image segmentation. Information Sciences, 2020, 539, 277-294.	6.9	18
15	Data-driven knowledge acquisition, validation, and transformation into HL7 Arden Syntax. Artificial Intelligence in Medicine, 2018, 92, 51-70.	6.5	17
16	Context-aware grading of quality evidences for evidence-based decision-making. Health Informatics Journal, 2019, 25, 429-445.	2.1	16
17	Multi-model-based interactive authoring environment for creating shareable medical knowledge. Computer Methods and Programs in Biomedicine, 2017, 150, 41-72.	4.7	15
18	The Intelligent Medical Platform: A Novel Dialogue-Based Platform for Health-Care Services. Computer, 2020, 53, 35-45.	1.1	12

#	ARTICLE	IF	CITATIONS
19	SPHeRe. Journal of Supercomputing, 2014, 68, 274-301.	3.6	11
20	Ensemble Feature Ranking for Cost-Based Non-Overlapping Groups: A Case Study of Chronic Kidney Disease Diagnosis in Developing Countries. IEEE Access, 2020, 8, 215623-215648.	4.2	9
21	Impact of Automatic Query Generation and Quality Recognition Using Deep Learning to Curate Evidence From Biomedical Literature: Empirical Study. JMIR Medical Informatics, 2019, 7, e13430.	2.6	8
22	Secure Health Fog: A Novel Framework for Personalized Recommendations Based on Adaptive Model Tuning. IEEE Access, 2021, 9, 108373-108391.	4.2	6
23	Reconciliation of SNOMED CT and domain clinical model for interoperable medical knowledge creation. , 2017, 2017, 2654-2657.		5
24	Clinical Decision Support System Based on Hybrid Knowledge Modeling: A Case Study of Chronic Kidney Disease-Mineral and Bone Disorder Treatment. International Journal of Environmental Research and Public Health, 2022, 19, 226.	2.6	4
25	Automatic Identification of High Impact Relevant Articles to Support Clinical Decision Making Using Attention-Based Deep Learning. Electronics (Switzerland), 2020, 9, 1364.	3.1	3
26	Acquiring guideline-enabled data driven clinical knowledge model using formally verified refined knowledge acquisition method. Computer Methods and Programs in Biomedicine, 2020, 197, 105701.	4.7	3
27	Unsupervised Semantic Mapping for Healthcare Data Storage Schema. IEEE Access, 2021, 9, 107267-107278.	4.2	3
28	MLM-Based Automated Query Generation for CDSS Evidence Support. Lecture Notes in Computer Science, 2014, , 296-299.	1.3	3
29	Towards User-Centric Intervention Adaptiveness: Influencing Behavior-Context Based Healthy Lifestyle Interventions. IEEE Access, 2020, 8, 177156-177179.	4.2	2
30	A Novel Deep Learning ArCAR System for Arabic Text Recognition with Character-Level Representation. , 2021, 2, .		2
31	COVID-19 Knowledge Resource Categorization and Tracking: Conceptual Framework Study. Journal of Medical Internet Research, 2021, 23, e29730.	4.3	0
32	Significance of Syntactic Type Identification in Embedding Vector based Schema Matching. , 2022, , .		0