

# Sang-Il Choi

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

488  
citations

759233

12  
h-index

752698

20  
g-index

46  
all docs

46  
docs citations

46  
times ranked

386  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classification of Gait Type Based on Deep Learning Using Various Sensors with Smart Insole. <i>Sensors</i> , 2019, 19, 1757.	3.8	57
2	Classification of Three Types of Walking Activities Regarding Stairs Using Plantar Pressure Sensors. <i>IEEE Sensors Journal</i> , 2017, 17, 2638-2639.	4.7	44
3	Face recognition based on 2D images under illumination and pose variations. <i>Pattern Recognition Letters</i> , 2011, 32, 561-571.	4.2	34
4	Input variable selection for feature extraction in classification problems. <i>Signal Processing</i> , 2012, 92, 636-648.	3.7	29
5	Road Traffic Monitoring from UAV Images Using Deep Learning Networks. <i>Remote Sensing</i> , 2021, 13, 4027.	4.0	23
6	User Identification from Gait Analysis Using Multi-Modal Sensors in Smart Insole. <i>Sensors</i> , 2019, 19, 3785.	3.8	22
7	Method for Diagnosing the Bone Marrow Edema of Sacroiliac Joint in Patients with Axial Spondyloarthritis Using Magnetic Resonance Image Analysis Based on Deep Learning. <i>Diagnostics</i> , 2021, 11, 1156.	2.6	20
8	Robust Classification of Largely Corrupted Electronic Nose Data Using Deep Neural Networks. <i>IEEE Sensors Journal</i> , 2021, 21, 5052-5059.	4.7	18
9	Pixel selection based on discriminant features with application to face recognition. <i>Pattern Recognition Letters</i> , 2012, 33, 1083-1092.	4.2	17
10	Pattern recognition using feature feedback: Application to face recognition. <i>International Journal of Control, Automation and Systems</i> , 2010, 8, 141-148.	2.7	16
11	Data Refinement and Channel Selection for a Portable E-Nose System by the Use of Feature Feedback. <i>Sensors</i> , 2010, 10, 10387-10400.	3.8	16
12	Face Recognition Using Composite Features Based on Discriminant Analysis. <i>IEEE Access</i> , 2018, 6, 13663-13670.	4.2	12
13	Efficient Deep Learning Network With Multi-Streams for Android Malware Family Classification. <i>IEEE Access</i> , 2022, 10, 5518-5532.	4.2	12
14	Pixel selection in a face image based on discriminant features for face recognition. , 2008, , .		11
15	Classification of Odorants in the Vapor Phase Using Composite Features for a Portable E-Nose System. <i>Sensors</i> , 2012, 12, 16182-16193.	3.8	11
16	Data Reconstruction Using Subspace Analysis for Gas Classification. <i>IEEE Sensors Journal</i> , 2017, 17, 5954-5962.	4.7	10
17	Automatic Detection of Airway Invasion from Videofluoroscopy via Deep Learning Technology. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6179.	2.5	10
18	Hyoid Bone Tracking in a Videofluoroscopic Swallowing Study Using a Deep-Learning-Based Segmentation Network. <i>Diagnostics</i> , 2021, 11, 1147.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Gas Classification Using Combined Features Based on a Discriminant Analysis for an Electronic Nose. Journal of Sensors, 2016, 2016, 1-9.	1.1	9
20	Multimodal Few-Shot Learning for Gait Recognition. Applied Sciences (Switzerland), 2020, 10, 7619.	2.5	9
21	A Discriminant Distance Based Composite Vector Selection Method for Odor Classification. Sensors, 2014, 14, 6938-6951.	3.8	8
22	Face Recognition in SSPP Problem Using Face Relighting Based on Coupled Bilinear Model. Sensors, 2019, 19, 43.	3.8	8
23	Can Ensemble Deep Learning Identify People by Their Gait Using Data Collected from Multi-Modal Sensors in Their Insole?. Sensors, 2020, 20, 4001.	3.8	8
24	Detection of interacting groups based on geometric and social relations between individuals in an image. Pattern Recognition, 2019, 93, 498-506.	8.1	7
25	A Memory-Efficient Deterministic Finite Automaton-Based Bit-Split String Matching Scheme Using Pattern Uniqueness in Deep Packet Inspection. PLoS ONE, 2015, 10, e0126517.	2.5	7
26	Data reconstruction using iteratively reweighted L1-principal component analysis for an electronic nose system. PLoS ONE, 2018, 13, e0200605.	2.5	6
27	An Effective Face Recognition under Illumination and Pose Variations. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	5
28	Image Generation Using Bidirectional Integral Features for Face Recognition with a Single Sample per Person. PLoS ONE, 2015, 10, e0138859.	2.5	5
29	Confidence Measure Using Composite Features for Eye Detection in a Face Recognition System. IEEE Signal Processing Letters, 2015, 22, 225-228.	3.6	4
30	Combined features for face recognition under illumination variation. Electronics Letters, 2016, 52, 31-33.	1.0	4
31	Multi-Target Tracking With Multiple 2D Range Scanners. IEEE Access, 2020, 8, 99990-99998.	4.2	4
32	Construction of Composite Feature Vector Based on Discriminant Analysis for Face Recognition. Journal of Korea Multimedia Society, 2015, 18, 834-842.	0.2	4
33	Composite vector selection for feature extraction in face recognition. Electronics Letters, 2013, 49, 104-106.	1.0	3
34	Time Horizon Selection Using Feature Feedback for the Implementation of an E-Nose System. IEEE Sensors Journal, 2013, 13, 1575-1581.	4.7	3
35	Continuous media fingerprinting against time-varying collusion attacks. Information Sciences, 2015, 298, 66-79.	6.9	3
36	Gait Type Classification Using Smart Insole Sensors. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
37	Reliability of Machine and Human Examiners for Detection of Laryngeal Penetration or Aspiration in Videofluoroscopic Swallowing Studies. <i>Journal of Clinical Medicine</i> , 2021, 10, 2681.	2.4	3
38	An Automated Framework Based on Deep Learning for Shark Recognition. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 942.	2.6	3
39	Data Restoration by Linear Estimation of the Principal Components From Lossy Data. <i>IEEE Access</i> , 2020, 8, 172244-172251.	4.2	2
40	Ensemble Learning Using Pressure Sensor for Gait Recognition. , 2021, , .		2
41	Open Set User Identification Using Gait Pattern Analysis Based on Ensemble Deep Neural Network. <i>IEEE Sensors Journal</i> , 2022, 22, 16975-16984.	4.7	2
42	Performance evaluation of face recognition using feature feedback over a number of Fisherfaces. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2013, 8, 541-545.	1.4	1
43	Pseudo Optimization of E-Nose Data Using Region Selection with Feature Feedback Based on Regularized Linear Discriminant Analysis. <i>Sensors</i> , 2015, 15, 656-671.	3.8	1
44	DIR-ST <sup>2</sup> : Delineation of Imprecise Regions Using Spatio-temporal Textual Information. <i>IEEE Access</i> , 2018, 6, 36364-36375.	4.2	1
45	Training Set Enlargement Using Binary Weighted Interpolation Maps for the Single Sample per Person Problem in Face Recognition. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6659.	2.5	1
46	Explainable gait recognition with prototyping encoder-decoder. <i>PLoS ONE</i> , 2022, 17, e0264783.	2.5	0