

# Cheonshik Kim

## List of Publications by Year in descending order

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80  
papers

1,013  
citations

567144

15  
h-index

454834

30  
g-index

87  
all docs

87  
docs citations

87  
times ranked

807  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application and Theory of Multimedia Signal Processing Using Machine Learning or Advanced Methods. Applied Sciences (Switzerland), 2022, 12, 6426.	1.3	0
2	Constrained Backtracking Matching Pursuit Algorithm for Image Reconstruction in Compressed Sensing. Applied Sciences (Switzerland), 2021, 11, 1435.	1.3	9
3	Data Hiding Method for Color AMBTC Compressed Images Using Color Difference. Applied Sciences (Switzerland), 2021, 11, 3418.	1.3	6
4	A Secure Internet of Things Smart Home Network: Design and Configuration. Applied Sciences (Switzerland), 2021, 11, 6280.	1.3	2
5	Intragroup and intergroup secret image sharing based on homomorphic Lagrange interpolation. Journal of Information Security and Applications, 2021, 61, 102910.	1.8	3
6	Self-Embedding Fragile Watermarking Scheme to Detect Image Tampering Using AMBTC and OPAP Approaches. Applied Sciences (Switzerland), 2021, 11, 1146.	1.3	19
7	Survey on Data Hiding Based on Block Truncation Coding. Applied Sciences (Switzerland), 2021, 11, 9209.	1.3	6
8	Hybrid Data Hiding Based on AMBTC Using Enhanced Hamming Code. Applied Sciences (Switzerland), 2020, 10, 5336.	1.3	22
9	An Enhanced Adaptive Block Truncation Coding with Edge Quantization Scheme. Applied Sciences (Switzerland), 2020, 10, 7340.	1.3	2
10	A Light-Weight Practical Framework for Faces Detection and Trait Recognition. Sensors, 2020, 20, 2644.	2.1	27
11	High-Capacity Data Hiding for ABTC-EQ Based Compressed Image. Electronics (Switzerland), 2020, 9, 644.	1.8	26
12	Introduction to the special issue on deep learning for real-time information hiding and forensics. Journal of Real-Time Image Processing, 2020, 17, 1-5.	2.2	3
13	High Capacity Data Hiding Based on AMBTC and Interpolation. Advances in Intelligent Systems and Computing, 2020, , 858-867.	0.5	0
14	High capacity data hiding with absolute moment block truncation coding image based on interpolation. Mathematical Biosciences and Engineering, 2020, 17, 160-178.	1.0	2
15	Reversible Data Hiding Using Inter-Component Prediction in Multiview Video Plus Depth. Electronics (Switzerland), 2019, 8, 514.	1.8	3
16	Enhanced stego-image quality and embedding capacity for the partial reversible data hiding scheme. Multimedia Tools and Applications, 2019, 78, 18595-18616.	2.6	9
17	Editorial: Recent Advances in Mining Intelligence and Context-Awareness on IoT-Based Platforms. Mobile Networks and Applications, 2019, 24, 160-162.	2.2	1
18	Generalizing Hamming+k data hiding by overlapped pixels. Multimedia Tools and Applications, 2019, 78, 17995-18015.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Exploiting error control in matrix coding-based data hiding over lossy channel. Journal of Real-Time Image Processing, 2019, 16, 577-588.	2.2	1
20	Adaptive real-time reversible data hiding for JPEG images. Journal of Real-Time Image Processing, 2018, 14, 147-157.	2.2	14
21	A real-time secret image sharing with fairness. Journal of Real-Time Image Processing, 2018, 14, 5-12.	2.2	1
22	Reversible data hiding scheme with edge-direction predictor and modulo operation. Journal of Real-Time Image Processing, 2018, 14, 137-145.	2.2	10
23	Separable reversible data hiding in encrypted halftone image. Displays, 2018, 55, 71-79.	2.0	47
24	Improving capacity of Hamming (n,k)+1 stego-code by using optimized Hamming + $\hat{\alpha}k$ . , 2018, 78, 284-293.		12
25	Palmprint recognition system on mobile devices with double-line-single-point assistance. Personal and Ubiquitous Computing, 2018, 22, 93-104.	1.9	25
26	Study of detection method for spoofed IP against DDoS attacks. Personal and Ubiquitous Computing, 2018, 22, 35-44.	1.9	15
27	Mining intelligent solution to compensate missing data context of medical IoT devices. Personal and Ubiquitous Computing, 2018, 22, 219-224.	1.9	6
28	Lossless data hiding for absolute moment block truncation coding using histogram modification. Journal of Real-Time Image Processing, 2018, 14, 101-114.	2.2	63
29	Secure medical images based on data hiding using a hybrid scheme with the Hamming code, LSB, and OPAP. Journal of Real-Time Image Processing, 2018, 14, 115-126.	2.2	12
30	Self-embedding fragile watermarking scheme to restoration of a tampered image using AMBTC. Personal and Ubiquitous Computing, 2018, 22, 11-22.	1.9	22
31	Performance Improvements of Partial Reversible Data Hiding Scheme. , 2018, , .		0
32	Dual-source discrimination power analysis for multi-instance contactless palmprint recognition. Multimedia Tools and Applications, 2017, 76, 333-354.	2.6	224
33	A new sharing digital image scheme with clearer shadow images. Computer Standards and Interfaces, 2017, 51, 118-131.	3.8	5
34	Improving stego image quality in image interpolation based data hiding. Computer Standards and Interfaces, 2017, 50, 209-215.	3.8	51
35	Capacity enhancement of Hamming+k data hiding by pixel overlapping approach. , 2017, , .		1
36	Secure protection of video recorder video in smart car. International Journal of Distributed Sensor Networks, 2016, 12, 155014771668179.	1.3	3

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37	Crowdsourcing Framework for Acoustic Sound Based Obstacle Echolocation through Smartphones for Visually Impaired. , 2016, , .		1
38	An energy-efficient video transport protocol for personal cloud-based computing. Journal of Real-Time Image Processing, 2016, 12, 303-310.	2.2	1
39	Design a new visual cryptography for human-verifiable authentication in accessing a database. Journal of Real-Time Image Processing, 2016, 12, 483-494.	2.2	12
40	Data hiding based on overlapped pixels using hamming code. Multimedia Tools and Applications, 2016, 75, 15651-15663.	2.6	15
41	Constructions and Properties of General ( $k, n$ ) Block-Based Progressive Visual Cryptography. ETRI Journal, 2015, 37, 979-989.	1.2	7
42	(1,7,4) Data hiding scheme for searching in hidden text with automata. Vietnam Journal of Computer Science, 2015, 2, 257-265.	1.0	0
43	Watermark with DSA signature using predictive coding. Multimedia Tools and Applications, 2015, 74, 5189-5203.	2.6	12
44	Lossless Data Hiding for Binary Document Images Using $n$ -Pairs Pattern. Lecture Notes in Computer Science, 2015, , 317-327.	1.0	1
45	Reversible Watermarking For Relational Databases using DE (Difference Expansion) Algorithm. The Journal of the Institute of Internet Broadcasting and Communication, 2015, 15, 7-13.	0.0	0
46	BTC-based Image Compression using Pattern. The Journal of the Institute of Internet Broadcasting and Communication, 2015, 15, 77-83.	0.0	1
47	A secret sharing scheme for EBTC using steganography. Journal of Intelligent Manufacturing, 2014, 25, 241-249.	4.4	3
48	Data hiding by an improved exploiting modification direction. Multimedia Tools and Applications, 2014, 69, 569-584.	2.6	44
49	Improving Data Hiding Capacity Based on Hamming Code. Lecture Notes in Electrical Engineering, 2014, , 697-706.	0.3	5
50	Steganography Based on Low Density Parity Check(LDPC). Lecture Notes in Electrical Engineering, 2014, , 25-30.	0.3	0
51	Design and Implementation Smart Office System Based on Remote Desktop Protocol (RDP). The Journal of the Institute of Internet Broadcasting and Communication, 2014, 14, 153-159.	0.0	2
52	Data Hiding Based on BTC using EMD. The Journal of the Institute of Internet Broadcasting and Communication, 2014, 14, 11-16.	0.0	1
53	Secret Sharing based on DCT using XOR. The Journal of the Institute of Internet Broadcasting and Communication, 2014, 14, 13-19.	0.0	0
54	Reversible Data Hiding based on QR Code for Binary Image. The Journal of the Institute of Internet Broadcasting and Communication, 2014, 14, 281-288.	0.0	2

#	ARTICLE	IF	CITATIONS
55	Aspect ratio invariant visual cryptography by image filtering and resizing. Personal and Ubiquitous Computing, 2013, 17, 843-850.	1.9	16
56	Binary Image Data Hiding Using Matrix Encoding Technique in Sensors. International Journal of Distributed Sensor Networks, 2013, 9, 340963.	1.3	5
57	New ID-Based Proxy Signature Scheme with Message Recovery. Lecture Notes in Computer Science, 2013, , 945-951.	1.0	7
58	Architecture of a Context Aware Framework for Automated Mobile Device Configuration. Lecture Notes in Computer Science, 2013, , 299-308.	1.0	1
59	Data Hiding Based on Palette Images Using Weak Bases of Z2-Modules. Lecture Notes in Computer Science, 2013, , 649-658.	1.0	1
60	Advanced Biometric-Based User Authentication Scheme for Wireless Sensor Networks. Sensor Letters, 2013, 11, 1836-1843.	0.4	21
61	Data Hiding using Improving Hamming Code. Journal of the Institute of Electronics and Information Engineers, 2013, 50, 180-186.	0.0	1
62	(2, 2) Secret Sharing Using Data Hiding and Multiplexer Technique. Han'gug Inteo'nes Bangsong Tongsin TV Haghoe Nonmunji, 2013, 13, 75-81.	0.1	1
63	Life Navigator, Smart Internet of Things Based Context-Aware End-User Framework. Sensor Letters, 2013, 11, 1736-1740.	0.4	0
64	Enhanced Matrix-Based Secret Image Sharing Scheme. IEEE Signal Processing Letters, 2012, 19, 789-792.	2.1	3
65	An Optimized Sub-texture Mapping Technique for an Arbitrary Texture Considering Topology Relations. Lecture Notes in Computer Science, 2012, , 559-564.	1.0	0
66	New Electronic Acupuncture System Using Intelligence. Lecture Notes in Computer Science, 2012, , 524-531.	1.0	2
67	Certificateless message recovery signatures providing girault's level-3 security. Journal of Shanghai Jiaotong University (Science), 2011, 16, 577-585.	0.5	1
68	Data Hiding in a Halftone Image Using Hamming Code (15, 11). Lecture Notes in Computer Science, 2011, , 372-381.	1.0	15
69	A secure and efficient SIP authentication scheme for converged VoIP networks. Computer Communications, 2010, 33, 1674-1681.	3.1	85
70	(N, 1) secret sharing approach based on steganography with gray digital images. , 2010, , .		6
71	Automatic Product Classification Control System Using RFID Tag Information and Data Mining. , 2009, , .		0
72	Optimal green time calculation using artificial intelligence. , 2009, , .		0

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73	A study on intelligent cyber university. , 2009, , .		0
74	Traffic Signal Using Smart Agent System. American Journal of Applied Sciences, 2008, 5, 1487-1493.	0.1	4
75	Study of Optimal Traffic Information Using Agents Techniques. , 2008, , 868-877.		0
76	Traffic Signal Planning Using a Smart Agent System. Lecture Notes in Computer Science, 2007, , 938-947.	1.0	3
77	Dynamic EPG Implementation for Ubiquitous Environment. Lecture Notes in Computer Science, 2007, , 292-300.	1.0	0
78	Product Control System Using RFID Tag Information and Data Mining. , 2006, , 100-109.		9
79	Personalized E-Learning Process Using Effective Assessment and Feedback. , 2006, , 63-72.		2
80	Data Hiding in Halftone Images by XOR Block-Wise Operation with Difference Minimization. KSII Transactions on Internet and Information Systems, 0, , 457-476.	0.7	13