Gandharba Swain

List of Publications by Year
in descending order

48 papers	**1,200** citations
361413 **20** h-index	414414 **32** g-index
50 all docs	**50** docs citations
50 times ranked	**430** citing authors

#	Article	IF	Citations
1	Reversible Image Steganography Using Dual-Layer LSB Matching. Sensing and Imaging, 2020, 21, 1.	1.5	88
2	Adaptive pixel value differencing steganography using both vertical and horizontal edges. Multimedia Tools and Applications, 2016, 75, 13541-13556.	3.9	80
3	An Optimal Information Hiding Approach Based on Pixel Value Differencing and Modulus Function. Wireless Personal Communications, 2019, 108, 159-174.	2.7	79
4	A Steganographic Method Combining LSB Substitution and PVD in a Block. Procedia Computer Science, 2016, 85, 39-44.	2.0	70
5	Very High Capacity Image Steganography Technique Using Quotient Value Differencing and LSB Substitution. Arabian Journal for Science and Engineering, 2019, 44, 2995-3004.	3.0	64
6	Performance evaluation parameters of image steganography techniques. , 2016, , .		59
7	Digital Image Steganography Using Bit Flipping. Cybernetics and Information Technologies, 2018, 18, 69-80.	1.1	48
8	Digital Image Steganography using Nine-Pixel Differencing and Modified LSB Substitution. Indian Journal of Science and Technology, 2014, 7, 1444-1450.	0.7	46
9	A Novel n-Rightmost Bit Replacement Image Steganography Technique. 3D Research, 2019, 10, 1.	1.8	45
10	High fidelity based reversible data hiding using modified LSB matching and pixel difference. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 1395-1409.	3.9	44
11	Digital Image Steganography Using LSB Substitution, PVD, and EMD. Mathematical Problems in Engineering, 2018, 2018, 1-11.	1.1	36
12	Dual Stego-imaging Based Reversible Data Hiding Using Improved LSB Matching. International Journal of Intelligent Engineering and Systems, 2019, 12, 63-73.	0.6	36
13	Pixel Overlapping Image Steganography Using PVD and Modulus Function. 3D Research, 2018, 9, 1.	1.8	33
14	High Capacity Image Steganography Using Modified LSB Substitution and PVD against Pixel Difference Histogram Analysis. Security and Communication Networks, 2018, 2018, 1-14.	1.5	31
15	Digital Image Steganography based on Seven Way Pixel Value Differencing. Indian Journal of Science and Technology, 2016, 9, .	0.7	30
16	Adaptive PVD Steganography Using Horizontal, Vertical, and Diagonal Edges in Six-Pixel Blocks. Security and Communication Networks, 2017, 2017, 1-13.	1.5	30
17	Digital Image Steganography Using Eight-Directional PVD against RS Analysis and PDH Analysis. Advances in Multimedia, 2018, 2018, 1-13.	0.4	28
18	A novel steganography technique by mapping words with LSB array. International Journal of Signal and Imaging Systems Engineering, 2015, 8, 115.	0.6	27

#	Article	IF	Citations
19	Two new steganography techniques based on quotient value differencing with addition-subtraction logic and PVD with modulus function. Optik, 2019, 180, 807-823.	2.9	26
20	Digital Image Steganography Using Variable Length Group Of Bits Substitution. Procedia Computer Science, 2016, 85, 31-38.	2.0	25
21	Steganography using two sided, three sided, and four sided side match methods. CSI Transactions on ICT, 2013, 1, 127-133.	1.0	24
22	Adaptive and Non-adaptive PVD Steganography Using Overlapped Pixel Blocks. Arabian Journal for Science and Engineering, 2018, 43, 7549-7562.	3.0	22
23	LSB Array Based Image Steganography Technique by Exploring the Four Least Significant Bits. Communications in Computer and Information Science, 2012, , 479-488.	0.5	21
24	Data hiding using adaptive LSB and PVD technique resisting PDH and RS analysis. International Journal of Electronic Security and Digital Forensics, 2019, 11, 458.	0.2	18
25	Multi-directional block based PVD and modulus function image steganography to avoid FOBP and IEP. Journal of Information Security and Applications, 2021, 58, 102808.	2.5	17
26	A Review on LSB Substitution and PVD Based Image Steganography Techniques. Indonesian Journal of Electrical Engineering and Computer Science, 2016, 2, 712.	0.8	17
27	Steganography based on quotient value differencing and pixel value correlation. CAAI Transactions on Intelligence Technology, 2021, 6, 504-519.	8.1	15
28	Volumetric medical image compression using 3D listless embedded block partitioning. SpringerPlus, 2016, 5, 2100.	1.2	13
29	Steganography in Digital Images Using Maximum Difference of Neighboring Pixel Values. International Journal of Security and Its Applications, 2013, 7, 285-294.	0.8	13
30	Information Hiding Using Group of Bits Substitution. International Journal on Communications Antenna and Propagation, 2017, 7, 162.	0.3	13
31	Adaptive LSB substitution Steganography technique based on PVD. , 2019, , .		10
32	A Dynamic Approach to Image Steganography Using the Three Least Significant Bits and Extended Hill Cipher. Advanced Materials Research, 0, 403-408, 842-849.	0.3	9
33	Pixel value differencing steganography using correlation of target pixel with neighboring pixels. , 2015, , .		8
34	A data hiding technique by mixing MFPVD and LSB substitution in a pixel. Information Technology and Control, 2018, 47, .	2.1	8
35	A Robust Image Steganography Technique Using Dynamic Embedding with Two Least Significant Bits. Advanced Materials Research, 0, 403-408, 835-841.	0.3	7
36	An improved method for high hiding capacity based on LSB and PVD. , 2020, , 41-64.		7

#	Article	IF	Citations
37	Image Steganography Using Remainder Replacement, Adaptive QVD and QVC. Wireless Personal Communications, 2022, 123, 273-293.	2.7	6
38	Data Hiding Using Quotient Value Differencing and Remainder Value Substitution Avoiding Incorrect Extraction Problem. Sensing and Imaging, 2021, 22, 1.	1.5	6
39	A hybrid steganography technique based on RR, AQVD, and QVC. Information Security Journal, 2022, 31, 479-498.	1.9	6
40	Image steganography using add-sub based QVD and side match. , 2020, , 81-97.		5
41	Data Hiding and Integrity Verification based on Quotient Value Differencing and Merkle Tree. Arabian Journal for Science and Engineering, 2023, 48, 1793-1805.	3.0	4
42	Similarity and wavelet transform based data partitioning and parameter learning for fuzzy neural network. Journal of King Saud University - Computer and Information Sciences, 2020, , .	3.9	2
43	Multi-Directional Pixel Difference Histogram Analysis Based on Pixel Blocks of Different Sizes. Sensing and Imaging, 2021, 22, 1.	1.5	2
44	Security aware information classification in health care big data. International Journal of Electrical and Computer Engineering, 2021, 11, 4439.	0.7	2
45	On-demand charging planning for WRSNs based on weighted heuristic method. International Journal of Information Technology (Singapore), 0, , 1.	2.7	2
46	Towards Lightweight Provable Data Possession for Cloud Storage Using Indistinguishability Obfuscation. IEEE Access, 2022, 10, 31607-31625.	4.2	2
47	Image tamper detection and correction using Merkle tree and remainder value differencing. Optik, 2022, 261, 169212.	2.9	2
48	Secure and Verifiable Multi-Party Computation Using Indistinguishability Obfuscation. International Journal of Intelligent Engineering and Systems, 2020, 13, 277-285.	0.6	0