

# Muhammad Asif Gondal

## List of Publications by Citations

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35  
papers

1,162  
citations

19  
h-index

34  
g-index

35  
ext. papers

1,302  
ext. citations

3.2  
avg, IF

4.6  
L-index

#	Paper	IF	Citations
35	A novel technique for the construction of strong S-boxes based on chaotic Lorenz systems. <i>Nonlinear Dynamics</i> , <b>2012</b> , 70, 2303-2311	5	108
34	A projective general linear group based algorithm for the construction of substitution box for block ciphers. <i>Neural Computing and Applications</i> , <b>2013</b> , 22, 1085-1093	4.8	94
33	An efficient method for the construction of block cipher with multi-chaotic systems. <i>Nonlinear Dynamics</i> , <b>2013</b> , 71, 489-492	5	94
32	A group theoretic approach to construct cryptographically strong substitution boxes. <i>Neural Computing and Applications</i> , <b>2013</b> , 23, 97-104	4.8	78
31	A novel approach for designing substitution-boxes based on nonlinear chaotic algorithm. <i>Nonlinear Dynamics</i> , <b>2012</b> , 70, 1791-1794	5	66
30	An efficient approach for the construction of LFT S-boxes using chaotic logistic map. <i>Nonlinear Dynamics</i> , <b>2013</b> , 71, 133-140	5	64
29	Application of S-box and chaotic map for image encryption. <i>Mathematical and Computer Modelling</i> , <b>2013</b> , 57, 2576-2579		63
28	Image encryption algorithm based on PGL(2,GF(28)) S-boxes and TD-ERCS chaotic sequence. <i>Nonlinear Dynamics</i> , <b>2012</b> , 70, 181-187	5	63
27	An efficient technique for the construction of substitution box with chaotic partial differential equation. <i>Nonlinear Dynamics</i> , <b>2013</b> , 73, 1795-1801	5	60
26	An extended image encryption using chaotic coupled map and S-box transformation. <i>Nonlinear Dynamics</i> , <b>2014</b> , 76, 1355-1363	5	55
25	Construction of S8 Liu J S-boxes and their applications. <i>Computers and Mathematics With Applications</i> , <b>2012</b> , 64, 2450-2458	2.7	46
24	An efficient image encryption algorithm based on S8 S-box transformation and NCA map. <i>Optics Communications</i> , <b>2012</b> , 285, 4887-4890	2	42
23	A new analytical solution procedure for nonlinear integral equations. <i>Mathematical and Computer Modelling</i> , <b>2012</b> , 55, 1892-1897		35
22	A novel image encryption algorithm based on chaotic maps and GF(28) exponent transformation. <i>Nonlinear Dynamics</i> , <b>2013</b> , 72, 399-406	5	35
21	Generalized Majority Logic Criterion to Analyze the Statistical Strength of S-Boxes. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2012</b> , 67, 282-288	1.4	34
20	Efficient method for designing chaotic S-boxes based on generalized Baker's map and TDERC chaotic sequence. <i>Nonlinear Dynamics</i> , <b>2013</b> , 74, 271-275	5	29
19	A novel method for designing nonlinear component for block cipher based on TD-ERCS chaotic sequence. <i>Nonlinear Dynamics</i> , <b>2013</b> , 73, 633-637	5	28

18	A novel design for the construction of safe S-boxes based on TDERC sequence. <i>AEJ - Alexandria Engineering Journal</i> , <b>2015</b> , 54, 65-69	6.1	24
17	A novel solution procedure for fuzzy fractional heat equations by homotopy analysis transform method. <i>Neural Computing and Applications</i> , <b>2013</b> , 23, 269-271	4.8	23
16	A Scheme for Obtaining Secure S-Boxes Based on Chaotic Baker's Map. <i>3D Research</i> , <b>2014</b> , 5, 1	2.4	19
15	Application of Mean of Absolute Deviation Method for the Selection of Best Nonlinear Component Based on Video Encryption. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2013</b> , 68, 479-482	1.4	19
14	Image encryption algorithm based on total shuffling scheme and chaotic S-box transformation. <i>JVC/Journal of Vibration and Control</i> , <b>2014</b> , 20, 2133-2136	2	17
13	Analysis of S-box in Image Encryption Using Root Mean Square Error Method. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2012</b> , 67, 327-332	1.4	14
12	Construction of Nonlinear Component for Block Cipher Based on One-Dimensional Chaotic Map. <i>3D Research</i> , <b>2015</b> , 6, 1	2.4	13
11	S8 affine-power-affine S-boxes and their applications. <i>Neural Computing and Applications</i> , <b>2012</b> , 21, 377-383	1.8	11
10	A new modified Laplace decomposition method for higher order boundary value problems. <i>Computational and Mathematical Organization Theory</i> , <b>2013</b> , 19, 446-459	2.1	8
9	A New Analytical Approach to Solve Magnetohydrodynamics Flow Over a Nonlinear Porous Stretching Sheet by Laplace Padé Decomposition Method. <i>Results in Mathematics</i> , <b>2013</b> , 63, 289-301	0.9	4
8	Construction of New S-Boxes Over Finite Field and Their Application to Watermarking. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2012</b> , 67, 705-710	1.4	4
7	Construction of Substitution Box Based on Piecewise Linear Chaotic Map and S8 Group. <i>3D Research</i> , <b>2015</b> , 6, 1	2.4	3
6	New Computational Dynamics for Magnetohydrodynamics Flow over a Nonlinear Stretching Sheet. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2012</b> , 67, 262-266	1.4	3
5	A novel fractional Laplace decomposition method for chaotic systems and the generation of chaotic sequences. <i>JVC/Journal of Vibration and Control</i> , <b>2014</b> , 20, 2530-2535	2	2
4	An Algorithm to Generating Inverse S-box for Rijndael Encryption Standard. <i>3D Research</i> , <b>2014</b> , 5, 1	2.4	2
3	An efficient computational approach for hydromagnetic stagnation flow towards a stretching sheet. <i>Afrika Matematika</i> , <b>2013</b> , 24, 321-329	0.7	1
2	Construction of Dynamical Non-linear Components Based on Lorenz System and Symmetric Group of Permutations. <i>3D Research</i> , <b>2015</b> , 6, 1	2.4	1
1	Impact of Error Detecting or Correcting Codes on the Sensitivity to DPA of an AES S-Box. <i>3D Research</i> , <b>2014</b> , 5, 1	2.4	

