

Vinod R Patidar

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3003388/vinod-r-patidar-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

1,960
citations

14
h-index

44
g-index

59
ext. papers

2,303
ext. citations

1.7
avg, IF

4.9
L-index

#	Paper	IF	Citations
51	Securing the COVID Patients' Medical Records Using Encrypted Image Steganography. <i>Lecture Notes in Networks and Systems</i> , 2022 , 421-440	0.5	0
50	Color image encryption system using combination of robust chaos and chaotic order fractional Hartley transformation. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2021 ,	2.5	5
49	Chaos based multiple order optical transform for 2D image encryption 2020 , 23, 998-1014		14
48	Crypto-watermarking of images for secure transmission over cloud. <i>Journal of Information and Optimization Sciences</i> , 2020 , 41, 205-216	1.1	2
47	Development and analysis of IWT-SVD and DWT-SVD steganography using fractal cover. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2020 ,	2.5	2
46	Multiple Image Encryption with Fractional Hartley Transform and Robust Chaotic Mapping 2019 ,		2
45	Vibration and harmonic analysis of moderately thick anti-symmetric cross-ply laminated composite plate using FEM. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 691, 012005	0.4	
44	Harmonic Analysis of symmetric and anti-symmetric laminated skew plate using finite element method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 691, 012007	0.4	0
43	Double Image Encryption Based on 2D Discrete Fractional Fourier Transform and Piecewise Nonlinear Chaotic Map. <i>Communications in Computer and Information Science</i> , 2019 , 519-530	0.3	
42	A Novel Quasigroup Substitution Scheme for Chaos Based Image Encryption. <i>Journal of Applied Nonlinear Dynamics</i> , 2018 , 7, 393-412	2	2
41	An analogue circuit to study the forced and quadratically damped Duffing oscillator. <i>International Journal of Nonlinear Dynamics and Control</i> , 2017 , 1, 87	0.2	6
40	Dynamical behaviour of parametrically driven Duffing and externally driven Helmholtz-Duffing oscillators under nonlinear dissipation. <i>Nonlinear Dynamics</i> , 2016 , 83, 375-388	5	3
39	Triple differential cross section for the near threshold single ionization of helium atoms for equal energy sharing. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016 , 209, 40-45	1.7	1
38	Medical image protection using genetic algorithm operations. <i>Soft Computing</i> , 2016 , 20, 763-772	3.5	45
37	Calculation of fully differential cross sections for the near threshold double ionization of helium atoms. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2016 , 49, 025201	1.3	
36	An Approach to Improve the Classification Accuracy of Leaf Images with Dorsal and Ventral Sides by Adding Directionality Features with Statistical Feature Sets. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 89-97	0.4	2
35	Optimizing Feature Selection Using Particle Swarm Optimization and Utilizing Ventral Sides of Leaves for Plant Leaf Classification. <i>Procedia Computer Science</i> , 2016 , 89, 324-332	1.6	16

34	Calculation of FDCS for the low and intermediate energy ionization of water molecules. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 012031	0.3	
33	Calculation of FDCS for the low and intermediate energy electron impact ionization of water molecules. <i>Journal of Physics: Conference Series</i> , 2015 , 635, 072033	0.3	
32	Role of Feature Selection on Leaf Image Classification. <i>Journal of Data Analysis and Information Processing</i> , 2015 , 03, 175-183	0.5	2
31	Electron- and positron-induced ionization of water molecules: Theory versus experiment at the triply differential scale. <i>Physical Review A</i> , 2014 , 89,	2.6	8
30	Fully differential cross sections for low to intermediate energy perpendicular plane ionization of xenon atoms. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2014 , 197, 50-55	1.7	1
29	Bifurcation and Chaos in Periodically Forced and Nonlinearly Damped Pendulum. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2013 , 14,	1.8	2
28	Second-order Born effects in the coplanar to perpendicular plane single ionization of Xe (5p). <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013 , 46, 115207	1.3	3
27	Diffusion-substitution based gray image encryption scheme 2013 , 23, 894-901		88
26	Effects of target polarization and postcollision interaction on the electron-impact single ionization of Ne(2p), Ar(3p), and Na(3s) atoms. <i>Physical Review A</i> , 2012 , 85,	2.6	16
25	Effects on the bifurcation and chaos in forced Duffing oscillator due to nonlinear damping. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 2254-2269	3.7	68
24	Colour Image Encryption Scheme Based on Permutation and Substitution Techniques. <i>Communications in Computer and Information Science</i> , 2011 , 413-427	0.3	3
23	A robust and secure chaotic standard map based pseudorandom permutation-substitution scheme for image encryption. <i>Optics Communications</i> , 2011 , 284, 4331-4339	2	103
22	Calculation of (e, 2e) triple differential cross sections of Mg in coplanar geometry. <i>Journal of Physics: Conference Series</i> , 2011 , 288, 012008	0.3	1
21	Differential cross section calculations of positron and electron impact ionization of Ar (3p). <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011 , 269, 745-751	1.2	7
20	DYNAMICAL BEHAVIOR OF q-DEFORMED HENON MAP. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2011 , 21, 1349-1356	2	12
19	Substitution-diffusion based Image Cipher. <i>International Journal of Network Security and Its Applications</i> , 2011 , 3, 149-160	0.8	6
18	Image Encryption through a Novel Permutation-Substitution Scheme Based on Chaotic Standard Map 2010 ,		6
17	(e, 2e) processes on Ne, Ar and Xe targets. <i>Journal of Physics: Conference Series</i> , 2010 , 235, 012013	0.3	3

16	Block cipher using 1D and 2D chaotic maps. <i>International Journal of Information and Communication Technology</i> , 2010 , 2, 244	0.1	6
15	Triple differential cross section of potassium for doubly symmetric ionization. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 2654-2660	2.3	12
14	Modified substitution-diffusion image cipher using chaotic standard and logistic maps. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2010 , 15, 2755-2765	3.7	81
13	A Numerical Exploration of the Dynamical Behaviour of q-Deformed Nonlinear Maps 2010 ,		3
12	A comparative study on the co-existing attractors in the Gaussian map and its q-deformed version. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 827-838	3.7	18
11	Importance of polarization effects in electron impact single ionization of argon atom. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009 , 175, 1-5	1.7	9
10	A new substitution-diffusion based image cipher using chaotic standard and logistic maps. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009 , 14, 3056-3075	3.7	229
9	(e, 2e) triple differential cross sections of Ca atoms at low energies. <i>Physica Scripta</i> , 2009 , 80, 065301	2.6	13
8	Image encryption using chaotic logistic map. <i>Image and Vision Computing</i> , 2006 , 24, 926-934	3.7	761
7	Cryptography using multiple one-dimensional chaotic maps. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2005 , 10, 715-723	3.7	132
6	Bifurcation and chaos in simple jerk dynamical systems 2005 , 64, 75-93		13
5	Stability of terrestrial planets in the habitable zone of Gl 777A, HD 72659, Gl 614, 47 Uma and HD 4208. <i>Astronomy and Astrophysics</i> , 2004 , 426, 353-365	5.1	57
4	Spin Asymmetry in (e, 2e) Processes on Li, Be+, B+2 and C+3 Targets by Transversely Polarized Electrons. <i>Physica Scripta</i> , 2004 , 69, 208-215	2.6	5
3	Discrete chaotic cryptography using external key. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003 , 309, 75-82	2.3	162
2	Suppression of chaos using mutual coupling. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 304, 121-129	2.3	23
1	Color image encryption scheme based on fractional Hartley transform and chaotic substitution-permutation. <i>Visual Computer</i> , 1	2.3	7