

# Vinod R Patidar

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/3003388/vinod-r-patidar-publications-by-citations.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	Image encryption using chaotic logistic map. <i>Image and Vision Computing</i> , <b>2006</b> , 24, 926-934	3.7	761
50	A new substitution-diffusion based image cipher using chaotic standard and logistic maps. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2009</b> , 14, 3056-3075	3.7	229
49	Discrete chaotic cryptography using external key. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2003</b> , 309, 75-82	2.3	162
48	Cryptography using multiple one-dimensional chaotic maps. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2005</b> , 10, 715-723	3.7	132
47	A robust and secure chaotic standard map based pseudorandom permutation-substitution scheme for image encryption. <i>Optics Communications</i> , <b>2011</b> , 284, 4331-4339	2	103
46	Diffusion-substitution based gray image encryption scheme <b>2013</b> , 23, 894-901		88
45	Modified substitution-diffusion image cipher using chaotic standard and logistic maps. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2010</b> , 15, 2755-2765	3.7	81
44	Effects on the bifurcation and chaos in forced Duffing oscillator due to nonlinear damping. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2012</b> , 17, 2254-2269	3.7	68
43	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> , <b>2004</b> , 426, 353-365	5.1	57
42	Medical image protection using genetic algorithm operations. <i>Soft Computing</i> , <b>2016</b> , 20, 763-772	3.5	45
41	Suppression of chaos using mutual coupling. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2002</b> , 304, 121-129	2.3	23
40	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> , <b>2009</b> , 14, 827-838	3.7	18
39	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> , <b>2012</b> , 85,	2.6	16
38	Optimizing Feature Selection Using Particle Swarm Optimization and Utilizing Ventral Sides of Leaves for Plant Leaf Classification. <i>Procedia Computer Science</i> , <b>2016</b> , 89, 324-332	1.6	16
37	Chaos based multiple order optical transform for 2D image encryption <b>2020</b> , 23, 998-1014		14
36	(e, 2e) triple differential cross sections of Ca atoms at low energies. <i>Physica Scripta</i> , <b>2009</b> , 80, 065301	2.6	13
35	Bifurcation and chaos in simple jerk dynamical systems <b>2005</b> , 64, 75-93		13

34	DYNAMICAL BEHAVIOR OF q-DEFORMED HENON MAP. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , <b>2011</b> , 21, 1349-1356	2	12
33	Triple differential cross section of potassium for doubly symmetric ionization. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2010</b> , 374, 2654-2660	2.3	12
32	Importance of polarization effects in electron impact single ionization of argon atom. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2009</b> , 175, 1-5	1.7	9
31	Electron- and positron-induced ionization of water molecules: Theory versus experiment at the triply differential scale. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	8
30	Differential cross section calculations of positron and electron impact ionization of Ar (3p). <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2011</b> , 269, 745-751	1.2	7
29	Color image encryption scheme based on fractional Hartley transform and chaotic substitution permutation. <i>Visual Computer</i> , 1	2.3	7
28	An analogue circuit to study the forced and quadratically damped Duffing oscillator. <i>International Journal of Nonlinear Dynamics and Control</i> , <b>2017</b> , 1, 87	0.2	6
27	Image Encryption through a Novel Permutation-Substitution Scheme Based on Chaotic Standard Map <b>2010</b> ,		6
26	Block cipher using 1D and 2D chaotic maps. <i>International Journal of Information and Communication Technology</i> , <b>2010</b> , 2, 244	0.1	6
25	Substitution-diffusion based Image Cipher. <i>International Journal of Network Security and Its Applications</i> , <b>2011</b> , 3, 149-160	0.8	6
24	Spin Asymmetry in (e, 2e) Processes on Li, Be+, B+2and C+3Targets by Transversely Polarized Electrons. <i>Physica Scripta</i> , <b>2004</b> , 69, 208-215	2.6	5
23	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> , <b>2021</b> ,	2.5	5
22	Dynamical behaviour of parametrically driven Duffing and externally driven HelmholtzDuffing oscillators under nonlinear dissipation. <i>Nonlinear Dynamics</i> , <b>2016</b> , 83, 375-388	5	3
21	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> , <b>2013</b> , 46, 115207	1.3	3
20	Colour Image Encryption Scheme Based on Permutation and Substitution Techniques. <i>Communications in Computer and Information Science</i> , <b>2011</b> , 413-427	0.3	3
19	(e, 2e) processes on Ne, Ar and Xe targets. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 235, 012013	0.3	3
18	A Numerical Exploration of the Dynamical Behaviour of q-Deformed Nonlinear Maps <b>2010</b> ,		3
17	Crypto-watermarking of images for secure transmission over cloud. <i>Journal of Information and Optimization Sciences</i> , <b>2020</b> , 41, 205-216	1.1	2

16	Multiple Image Encryption with Fractional Hartley Transform and Robust Chaotic Mapping <b>2019</b> ,		2
15	Bifurcation and Chaos in Periodically Forced and Nonlinearly Damped Pendulum. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , <b>2013</b> , 14,	1.8	2
14	Role of Feature Selection on Leaf Image Classification. <i>Journal of Data Analysis and Information Processing</i> , <b>2015</b> , 03, 175-183	0.5	2
13	A Novel Quasigroup Substitution Scheme for Chaos Based Image Encryption. <i>Journal of Applied Nonlinear Dynamics</i> , <b>2018</b> , 7, 393-412	2	2
12	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> , <b>2016</b> , 89-97	0.4	2
11	Development and analysis of IWT-SVD and DWT-SVD steganography using fractal cover. <i>Journal of King Saud University - Computer and Information Sciences</i> , <b>2020</b> ,	2.5	2
10	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> , <b>2016</b> , 209, 40-45	1.7	1
9	Fully differential cross sections for low to intermediate energy perpendicular plane ionization of xenon atoms. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2014</b> , 197, 50-55	1.7	1
8	Calculation of (e, 2e) triple differential cross sections of Mg in coplanar geometry. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 288, 012008	0.3	1
7	Securing the COVID Patients' Medical Records Using Encrypted Image Steganography. <i>Lecture Notes in Networks and Systems</i> , <b>2022</b> , 421-440	0.5	0
6	Harmonic Analysis of symmetric and anti-symmetric laminated skew plate using finite element method. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 691, 012007	0.4	0
5	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> , <b>2016</b> , 49, 025201	1.3	
4	Calculation of FDCS for the low and intermediate energy ionization of water molecules. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 012031	0.3	
3	Calculation of FDCS for the low and intermediate energy electron impact ionization of water molecules. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 072033	0.3	
2	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> , <b>2019</b> , 691, 012005	0.4	
1	Double Image Encryption Based on 2D Discrete Fractional Fourier Transform and Piecewise Nonlinear Chaotic Map. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 519-530	0.3	