

# Aparajita Ojha

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7931695/publications.pdf>

Version: 2024-02-01

56  
papers

502  
citations

840776

11  
h-index

713466

21  
g-index

57  
all docs

57  
docs citations

57  
times ranked

341  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Significant region based robust watermarking scheme in lifting wavelet transform domain. Expert Systems With Applications, 2015, 42, 8184-8197.   | 7.6  | 92        |
| 2  | Digital watermark extraction using support vector machine with principal component analysis based feature reduction. Journal of Visual Communication and Image Representation, 2015, 31, 75-85. | 2.8  | 47        |
| 3  | DK-means: a deterministic K-means clustering algorithm for gene expression analysis. Pattern Analysis and Applications, 2019, 22, 649-667.  | 4.6  | 41        |
| 4  | A deep CNN model for anomaly detection and localization in wireless capsule endoscopy images. Computers in Biology and Medicine, 2021, 137, 104789.   | 7.0  | 38        |
| 5  | Fast approximate minimum spanning tree based clustering algorithm. Neurocomputing, 2018, 272, 542-557.  | 5.9  | 36        |
| 6  | Detection of abnormality in wireless capsule endoscopy images using fractal features. Computers in Biology and Medicine, 2020, 127, 104094.   | 7.0  | 31        |
| 7  | A survey on vision-based outdoor smoke detection techniques for environmental safety. ISPRS Journal of Photogrammetry and Remote Sensing, 2022, 185, 158-187.                                   | 11.1 | 31        |
| 8  | Functional grouping of similar genes using eigenanalysis on minimum spanning tree based neighborhood graph. Computers in Biology and Medicine, 2016, 71, 135-148.                               | 7.0  | 20        |
| 9  | On Wachspress quadrilateral patches. Computer Aided Geometric Design, 2000, 17, 879-890.  | 1.2  | 17        |
| 10 | Anticipated trajectory based proportional navigation guidance scheme for intercepting high maneuvering targets. International Journal of Control, Automation and Systems, 2017, 15, 1351-1361.  | 2.7  | 14        |
| 11 | Hamiltonian path based image steganography scheme with improved imperceptibility and undetectability. Applied Soft Computing Journal, 2018, 73, 497-507.  | 7.2  | 12        |
| 12 | Experimental Evaluation of Certain Pursuit and Evasion Schemes for Wheeled Mobile Robots. International Journal of Automation and Computing, 2019, 16, 491-510.                                 | 4.5  | 10        |
| 13 | Performance of Maintainability Index prediction models: a feature selection based study. Evolving Systems, 2019, 10, 179-204.   | 3.9  | 10        |
| 14 | LPMP: An efficient lightweight protocol for mobile payment. , 2012, , .   |      | 8         |
| 15 | Fast Minimum Spanning Tree Based Clustering Algorithms on Local Neighborhood Graph. Lecture Notes in Computer Science, 2015, , 292-301.   | 1.3  | 7         |
| 16 | Chaotic system-based secure data hiding scheme with high embedding capacity. Computers and Electrical Engineering, 2018, 69, 447-460.   | 4.8  | 7         |
| 17 | On convergence and quasiconformality of complex planar spline interpolants. Mathematical Proceedings of the Cambridge Philosophical Society, 1986, 99, 347-356.                                 | 0.4  | 6         |
| 18 | On C1-continuity of Wachspress quadrilateral patches. Computer Aided Geometric Design, 2002, 19, 207-222.   | 1.2  | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Linear equation based visual secret sharing scheme. , 2014, , .  |     | 6         |
| 20 | Secure data hiding scheme using shape generation algorithm: a key based approach. Multimedia Tools and Applications, 2018, 77, 16319-16345.                                      | 3.9 | 6         |
| 21 | A Fast and Efficient Data Hiding Scheme in Binary Images. , 2012, , .  |     | 5         |
| 22 | Improved security in the genetic algorithm-based image steganography scheme using Hilbert space-filling curve. Imaging Science Journal, 2019, 67, 148-158.                       | 0.5 | 5         |
| 23 | Unsteady camera zoom stabilization using slope estimation over interest warping vectors. Pattern Recognition Letters, 2015, 68, 197-204.   | 4.2 | 4         |
| 24 | Gene expression clustering using local neighborhood-based similarity measures. Computers and Electrical Engineering, 2021, 91, 107032.   | 4.8 | 4         |
| 25 | A novel visual cryptography scheme based on substitution cipher. , 2013, , .   |     | 3         |
| 26 | An evader-centric strategy against fast pursuer in an unknown environment with static obstacles. , 2013, , .   |     | 3         |
| 27 | On multi-secret sharing using Hill cipher and random grids. , 2015, , .  |     | 3         |
| 28 | DSB-GAN: Generation of deep learning based synthetic biometric data. Displays, 2022, 74, 102267.   | 3.7 | 3         |
| 29 | Certain mapping properties of rational complex planar splines. Mathematical Proceedings of the Cambridge Philosophical Society, 1987, 101, 141-149.                              | 0.4 | 2         |
| 30 | On a Visual Secret Sharing Scheme with High Quality Decryption. , 2012, , .  |     | 2         |
| 31 | A new composite multi-constrained differential-radon warping approach for digital video affine motion stabilization. Computer Vision and Image Understanding, 2017, 155, 83-105. | 4.7 | 2         |
| 32 | Variation Diminishing Properties of Bernstein Polynomials on a Tetrahedron. Journal of Approximation Theory, 1994, 79, 180-189.  | 0.8 | 1         |
| 33 | Wachspress type rational complex planar splines of degree (3,1). Advances in Computational Mathematics, 1994, 2, 235-249.  | 1.6 | 1         |
| 34 | A simple subdivision formula for quadrilateral Wachspress patches. Computer Aided Geometric Design, 2003, 20, 395-399.   | 1.2 | 1         |
| 35 | An aspect oriented model of efficient and secure card-based payment system. , 2011, , .  |     | 1         |
| 36 | Natural path planning using wavelet noise in static environment. Computer Animation and Virtual Worlds, 2013, 24, 17-24.   | 1.2 | 1         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Quickest path problems in stochastic-flow networks with time constraint: A fast and reliable solution. , 2013, , .  |     | 1         |
| 38 | Performance evaluation of certain proportional navigation guidance schemes. , 2013, , .   |     | 1         |
| 39 | Maintainable Stochastic Flow Networks with High QoS: A Quick and Practical Approach. , 2014, , .  |     | 1         |
| 40 | Anticipated velocity based guidance strategy for wheeled mobile evader amidst stationary and moving obstacles in bounded environment. Computer Animation and Virtual Worlds, 2015, 26, 495-507. | 1.2 | 1         |
| 41 | A Scalable Data Hiding Scheme Using Hilbert Space Curve and Chaos. , 2015, , .  |     | 1         |
| 42 | Analysis and combination of positive aspects of threshold RG based VSS schemes. , 2015, , .   |     | 1         |
| 43 | Digital image stabilization using similarity transformation over constrained Differential-Radon warping vectors. Signal Processing: Image Communication, 2016, 47, 115-130.                     | 3.2 | 1         |
| 44 | Robust image watermarking using combined DSR-SVM with PCA based feature reduction. , 2016, , .  |     | 1         |
| 45 | How effective are maintainability metrics in estimating maintenance efforts? An empirical study. International Journal of Systems Assurance Engineering and Management, 2019, 10, 984-1001.     | 2.4 | 1         |
| 46 | Anticipated Velocity Based Guidance Strategy for Wheeled Mobile Evaders Amidst Moving Obstacles in Bounded Environment. Advances in Intelligent Systems and Computing, 2014, , 789-798.         | 0.6 | 1         |
| 47 | SUBDIVISION-BASED CORRIDOR MAP METHOD FOR PATH PLANNING. International Journal of Robotics and Automation, 2013, 28, .  | 0.1 | 1         |
| 48 | Discrimination of Class Inheritance Hierarchies " A Vector Approach. Advances in Intelligent Systems and Computing, 2014, , 121-130.  | 0.6 | 1         |
| 49 | On Wachspress pentagonal patches. Proceedings in Applied Mathematics and Mechanics, 2007, 7, 2020099-2020100.   | 0.2 | 0         |
| 50 | A Reversible Data Hiding Scheme with High Security and Improved Embedding Capacity. , 2018, , .   |     | 0         |
| 51 | Discrimination of Inheritance Patterns: An Improved Metric. , 2018, , .   |     | 0         |
| 52 | ClassIN: A Class Inheritance Metric Tool. Advances in Intelligent Systems and Computing, 2014, , 113-119.   | 0.6 | 0         |
| 53 | A Novel Multi Secret Sharing Scheme Based on Bitplane Flips and Boolean Operations. Advances in Intelligent Systems and Computing, 2014, , 765-772.   | 0.6 | 0         |
| 54 | On the Impact of Post-clustering Phase in Multi-way Spectral Partitioning. Lecture Notes in Computer Science, 2015, , 161-169.  | 1.3 | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | A Novel Visual Secret Sharing Scheme Using Affine Cipher and Image Interleaving. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 71-80.                                | 0.6 | 0         |
| 56 | Real-time interception performance evaluation of certain proportional navigation based guidance laws in aerial ground engagement. <i>Intelligent Service Robotics</i> , 2022, 15, 95. | 2.6 | 0         |