



Vanathi, Ponnusamy Thangapandian

PSG College of Technology, Coimbatore, India Show all author info
56027770000 Connect to ORCID Is this you? Connect to Mendeley account

Edit profile Set alert Potential author matches Export to SciVal

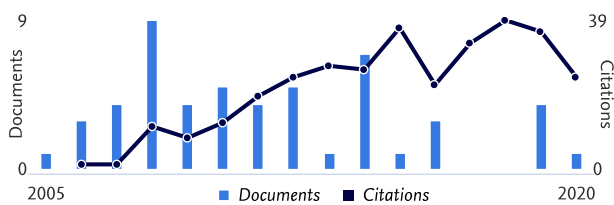
Metrics overview

52 Documents by author

320 Citations by 313 documents

11 h-index: View h-graph

Document & citation trends



Analyze author output Citation overview

Most contributed Topics 2015–2019 ⓘ

- Texture Classification; Image Retrieval; Rotation Invariant
5 documents
- Hyperspectral Imaging; Total Volatile Basic Nitrogen; Freshness
1 document
- All-Digital; Phase Locked Loops; Jitter
1 document

View all Topics

52 Documents Cited by 313 Documents 0 Preprints ^{New} 51 Co-Authors Topics

Export all Add all to list Sort by Cited by (highest) ▾

- > View list in search results format
- > View 652 references
- 🔔 Set document alert

Article		
Fast and efficient algorithm to remove gaussian noise in digital images	39	Cited by
Vijaykumar, V.R., Vanathi, P.T., Kanagasabapathy, P. <i>IAENG International Journal of Computer Science</i> , 2010, 37(1)		
View abstract ▾	Related documents	
Conference Paper		
Energy aware routing for wireless sensor networks	34	Cited by
Vidhyapriya, R., Vanathi, P.T. <i>Proceedings of ICSCN 2007: International Conference on Signal Processing Communications and Networking</i> , 2007, pp. 545–550, 4156682		
View abstract ▾	View at Publisher	Related documents

Review		
A review of vector quantization techniques		33
Vasuki, A., Vanathi, P.T.		Cited by
<i>IEEE Potentials</i> , 2006, 25(4), pp. 39–47, 1664069		
View abstract  View at Publisher		
Conference Paper		
Robust and automated lung nodule diagnosis from CT images based on fuzzy systems		28
Kumar, S.A., Ramesh, J., Vanathi, P.T., Gunavathi, K.		Cited by
<i>Proceedings of 2011 International Conference on Process Automation, Control and Computing, PACC 2011</i> , 2011, 5979050		
View abstract  View at Publisher Related documents		
Article • Open Access		
Meta heuristic algorithms for vehicle routing problem with stochastic demands		22
Shanmugam, G., Ganesan, P., Vanathi, P.T.		Cited by
<i>Journal of Computer Science</i> , 2011, 7(4), pp. 533–542		
View abstract  View at Publisher Related documents		
Article		
Nested particle swarm optimisation for multi-depot vehicle routing problem		18
Geetha, S., Poonthalir, G., Vanathi, P.T.		Cited by
<i>International Journal of Operational Research</i> , 2013, 16(3), pp. 329–348		
View abstract  View at Publisher Related documents		
Article		
Metaheuristic approach for the multi-depot vehicle routing problem		16
Geetha, S., Vanathi, P.T., Poonthalir, G.		Cited by
<i>Applied Artificial Intelligence</i> , 2012, 26(9), pp. 878–901		
View abstract  View at Publisher Related documents		
Conference Paper • Open Access		
Separation of maternal and fetal ECG signals from the mixed source signal using FASTICA		15
Immanuel, J.J.R., Prabhu, V., Christopheraj, V.J., Sugumar, D., Vanathi, P.T.		Cited by
<i>Procedia Engineering</i> , 2012, 30, pp. 356–363		
View abstract  View at Publisher Related documents		
Article		
Energy efficient data compression in wireless sensor networks		15
Vidhyapriya, R., Vanathi, P.		Cited by
<i>International Arab Journal of Information Technology</i> , 2009, 6(3), pp. 297–303		
View abstract  Related documents		
Article • Open Access		
Fault classification in phase-locked loops using back propagation neural networks		12
Ramesh, J., Vanathi, P.T., Gunavathi, K.		Cited by
<i>ETRI Journal</i> , 2008, 30(4), pp. 546–554		
View abstract  View at Publisher Related documents		
Article		
Conserving energy in wireless Sensor networks		12
Vidhyapriya, R., Vanathi, P.T.		Cited by
<i>IEEE Potentials</i> , 2007, 26(5), pp. 37–42		
View abstract  View at Publisher Related documents		
Conference Paper		

Detail preserving median based filter for impulse noise removal In digital images

9
Cited by

Vijaykumar, V.R., Ebenezer, D., Vanathi, P.T.

International Conference on Signal Processing Proceedings, ICSP, 2008, pp. 793–796, 4697249

[View abstract](#) [View at Publisher](#) [Related documents](#)

Conference Paper

Joint blind source separation algorithms in the separation of non-invasive maternal and fetal ECG

7
Cited by

Sugumar, D., Vanathi, P.T., Mohan, S.

2014 International Conference on Electronics and Communication Systems, ICECS 2014, 2014, 6892754

[View abstract](#) [View at Publisher](#) [Related documents](#)

Conference Paper

Performance analysis of texture classification techniques using shearlet transform

6
Cited by

Krishnan, K.G., Vanathi, P.T., Abinaya, R.

Proceedings of the 2016 IEEE International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2016, 2016, pp. 1408–1412, 7566368

[View abstract](#) [View at Publisher](#) [Related documents](#)

Conference Paper

Multiple fault diagnosis and test power reduction using genetic algorithms

6
Cited by

Anita, J.P., Vanathi, P.T.

Communications in Computer and Information Science, 2012, 305 CCIS, pp. 84–92

[View abstract](#) [View at Publisher](#) [Related documents](#)

Conference Paper

Genetic algorithm based test pattern generation for multiple stuck-at faults and test power reduction in VLSI circuits

5
Cited by

Anita, J.P., Vanathi, P.T.

2014 International Conference on Electronics and Communication Systems, ICECS 2014, 2014, 6892760

[View abstract](#) [View at Publisher](#) [Related documents](#)

Conference Paper

Adaptive window based efficient algorithm for removing Gaussian noise in gray scale and color images

5
Cited by

Vijaykumar, V.R., Vanathi, P.T., Kanagasabapathy, P.

Proceedings - International Conference on Computational Intelligence and Multimedia Applications, ICCIMA 2007, 2008, 3, pp. 319–323, 4426388

[View abstract](#) [View at Publisher](#) [Related documents](#)

Article

Performance analysis of voice activity detection algorithm for robust speech recognition system under different noisy environment

4
Cited by

Babu, C.G., Vanathi, P.T., Ramachandran, R., Rajaa, M.S., Vengatesh, R.

Journal of Scientific and Industrial Research, 2010, 69(7), pp. 515–522

[View abstract](#) [Related documents](#)

Conference Paper

Performance analysis of hybrid robust automatic speech recognition system

3
Cited by

Babu, C.G., Harikumar, R.H., Vanathi, P.T.

2012 IEEE International Conference on Signal Processing, Computing and Control, ISPCC 2012, 2012, 6224381

[View abstract](#) [View at Publisher](#) [Related documents](#)

Article

An improved OTA for a 2nd order Gm-C low pass filter

3

SanthanaLakshmi, M., Vanathi, P.T. <i>European Journal of Scientific Research</i> , 2011, 66(1), pp. 75–84	Cited by
View abstract  Related documents	
Article • Open Access Load balancing in WDM network with single and multiple lightpath additions	3
Sumathi, M., Vanathi, P.T. <i>Malaysian Journal of Computer Science</i> , 2008, 21(1), pp. 57–65	Cited by
View abstract  View at Publisher Related documents	
Conference Paper Minimizing congestion in optical WDM networks for dynamic traffic	3
Sumathi, M., Vanathi, P.T. <i>Proceedings of INDICON 2005: An International Conference of IEEE India Council</i> , 2005, 2005, pp. 101–104, 1590133	Cited by
View abstract  View at Publisher Related documents	
Article • Open Access A fault tolerant resource allocation architecture for mobile grid	2
Thenmozhi, S., Tamilarasi, A., Vanathi, P.T. <i>Journal of Computer Science</i> , 2012, 8(6), pp. 978–982	Cited by
View abstract  View at Publisher Related documents	
Article A low-power Gm-C low pass filter for mobile applications	2
Santhana Lakshmi, M., Vanathi, P.T. <i>Journal of Scientific and Industrial Research</i> , 2010, 69(10), pp. 750–755	Cited by
View abstract  Related documents	
Conference Paper Decomposition algorithm for power delay product optimization in wallace multiplier	2
Ramanathan, P., Vanathi, P.T., Chaubey, A., Raja, N.S. <i>2009 International Conference on Control Automation, Communication and Energy Conservation, INCACEC 2009</i> , 2009, 5204369	Cited by
View abstract  Related documents	
Article Reliable energy-efficient routing with novel route update in wireless sensor networks	2
Vidhyapriya, R., Vanathi, P.T. <i>Journal of Zhejiang University: Science A</i> , 2008, 9(8), pp. 1099–1110	Cited by
View abstract  View at Publisher Related documents	
Article Optimized multi-user resource allocation scheme for OFDM - MIMO system using GA & OGA	2
Malathi, P., Vanathi, P. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2008, 25(4), pp. 175–185	Cited by
View abstract  View at Publisher Related documents	
Conference Paper Dynamic reconfiguration of lightpath with priority based deletion	2
Sumathi, M., Vanathi, P.T. <i>2006 IEEE Singapore International Conference on Communication Systems, ICCS 2006</i> , 2006, 4085807	Cited by
View abstract  View at Publisher Related documents	
Conference Paper	

Performance of multipath routing for on demand protocols in wireless sensor networks	2	Cited by
Vidhyapriya, R., Vanathi, P.T.		
<i>ISAHUC' 06 - Proceedings of 2006 International Symposium on Ad Hoc and Ubiquitous Computing</i> , 2006, pp. 196–197, 4290676		
View abstract	View at Publisher	Related documents
Article		
Separation of maternal and fetal ECG signals using improved independent vector analysis	1	Cited by
Sugumar, D., Vanathi, P.T.		
<i>Journal of Medical Imaging and Health Informatics</i> , 2016, 6(8), pp. 2048–2056		
View abstract	View at Publisher	Related documents
Article		
Attribute selection using binary flower pollination algorithm with greedy crossover and 'one to all' initialization	1	Cited by
Preethi, C.M., Vanathi, P.T.		
<i>Electronics Letters</i> , 2016, 52(21), pp. 1757–1759		
View abstract	View at Publisher	Related documents
Article • Open Access		
Design of digital filters for multi-standard transceivers	1	Cited by
Latha, R., Vanathi, P.T.		
<i>International Journal on Electrical Engineering and Informatics</i> , 2015, 7(3), pp. 517–530		
View abstract	View at Publisher	Related documents
Conference Paper		
Novel approach for multiple arbitrary faults diagnosis in combinational circuits	1	Cited by
Raju, R., Anita, J.P., Vanathi, P.T.		
<i>Proceedings of 2011 International Conference on Process Automation, Control and Computing, PACC 2011</i> , 2011, 5978887		
View abstract	View at Publisher	Related documents
Conference Paper		
Multiple fault diagnosis with improved diagnosis resolution for VLSI circuits	1	Cited by
Anita, J.P., Vanathi, P.T.		
<i>2010 2nd International Conference on Computing, Communication and Networking Technologies, ICCCNT 2010</i> , 2010, 5591604		
View abstract	View at Publisher	
Article		
Orthogonal Frequency Division Multiplexing (OFDM) for wireless Local Area Network (WLAN) systems	1	Cited by
Malathi, P., Vanathi, P.T.		
<i>Advances in Modelling and Analysis B</i> , 2008, 51(1-2), pp. 1–16		
View abstract	Related documents	
Conference Paper		
An efficient algorithm to remove scratches stripes and blotches in still images	1	Cited by
Vijaykumar, V.R., Vanathi, P.T., Kanagasabapathy, P., Ebenezer, D.		
<i>2007 International Conference on Intelligent and Advanced Systems, ICIAS 2007</i> , 2007, pp. 605–610, 4658459		
View abstract	View at Publisher	Related documents
Conference Paper		
Priority based dynamic reconfiguration of lightpath in WDM networks	1	Cited by
Sumathi, M., Vanathi, P.T.		
<i>Proceedings of ICSCN 2007: International Conference on Signal Processing Communications and Networking</i> , 2007, pp. 250–252, 4156622		

[View abstract](#) [View at Publisher](#) [Related documents](#)

Article

Middle-Order Vehicle-Based Clustering Model for Reducing Packet Loss in Vehicular Ad-hoc Networks

0

Cited by

David, S., Vanathi, P.T.

Journal of Circuits, Systems and Computers, 2020, 29(11), 2050180

[View abstract](#) [View at Publisher](#) [Related documents](#)

Article • [Open Access](#)

Citrus classification and grading using machine learning algorithms

0

Cited by

Sugumar, D., Harshavarthan, V., Kavisri, S., Aezhisai Vallavi, M.S., Vanathi, P.T.

International Journal of Innovative Technology and Exploring Engineering, 2019, 8(10), pp. 2616–2621

[View abstract](#) [View at Publisher](#) [Related documents](#)

Conference Paper

Fault identification in woven fabric using Back propagation neural network

0

Cited by

Gnanaprakash, V., Suresh, G., Vanathi, P.T.

Proceedings of the 2019 International Conference on Advances in Computing and Communication Engineering, ICACCE 2019, 2019, 9080015

[View abstract](#) [View at Publisher](#) [Related documents](#)

Conference Paper

Design of All-Digital Phase Locked Loop for Improved Frequency Lock Range

0

Cited by

Erm, A., Toppo, N., Sugumar, D., Vanathi, P.T.

2nd International Conference on Signal Processing and Communication, ICSPC 2019 - Proceedings, 2019, pp. 218–221, 8976793

[View abstract](#) [View at Publisher](#) [Related documents](#)

Article • [Open Access](#)

Knowledge transfer for efficient cross domain ranking using AdaRank algorithm

0

Cited by

Geetha, N., Vanathi, P.T.

International Journal of Business Intelligence and Data Mining, 2019, 14(1-2), pp. 89–105

[View abstract](#) [View at Publisher](#) [Related documents](#)

Conference Paper

Modelling and simulation of MEMS based sensors for Microbotics

0

Cited by

Shanmugasundharam, L., Vanathi, P.T., Menon, R.

2014 IEEE International Conference on Computational Intelligence and Computing Research, IEEE ICCIC 2014, 2014, pp. 04502

[View abstract](#) [View at Publisher](#) [Related documents](#)

Article

Hybrid architecture of digital filter for multi-standard transceivers

0

Cited by

Latha, R., Vanathi, P.T.

International Journal of Applied Engineering Research, 2014, 9(21), pp. 11583–11600

[View abstract](#) [Related documents](#)

Conference Paper

Modified convex divergence ICA for separation of mixed images

0

Cited by

Sugumar, D., Vanathi, P.T., Jasmine, A.M.

2014 International Conference on Electronics and Communication Systems, ICECS 2014, 2014, 6892755

[View abstract](#) [View at Publisher](#) [Related documents](#)

Article

Optimized digital filter architectures for multi-standard RF transceivers

0

Cited by

Latha, R., Vanathi, P.T.

Journal of Theoretical and Applied Information Technology, 2014, 65(2), pp. 544–558

Article

Digital filter architectures for multi-standard wireless transceivers

Latha, R., Vanathi, P.T.

International Journal of Engineering and Technology, 2014, 6(2), pp. 1232–1246

0

Cited by

View abstract  Related documents

Article


Design of dynamically configurable code division multiple access (CDMA) arbiter and dynamically configurable CDMA bus for SoCs

Chitra, S.H., Vanathi, P.T.

Modelling, Measurement and Control A, 2010, 83(1-2), pp. 1–16

0

Cited by

View abstract  Related documents

Article

Robust statistics based algorithm to remove salt and pepper noise in images

Vijaykumar, V.R., Vanathi, P.T., Kanagasabapathy, P., Ebenezer, D.

World Academy of Science, Engineering and Technology, 2009, 35, pp. 766–775

0

Cited by

View abstract  Related documents

Article

Lightpath reconfiguration with traffic priority consideration

Sumathi, M., Vanathi, P.T.

International Journal of Communication Networks and Distributed Systems, 2009, 3(3), pp. 234–248

0

Cited by

View abstract  View at Publisher Related documents

Conference Paper

A new efficient algorithm to remove high density gaussian noise with edge preservation

Vijaykumar, V.R., Vanathi, P.T., Kanagasabapathy, P., Senthilkumar, B.

Proceedings of ICSCN 2008 - International Conference on Signal Processing Communications and Networking, 2008, pp. 238–243, 4447196

0

Cited by

View abstract  View at Publisher Related documents

Article

Transmission of modified JPEG images through AWGN channel

Vasuki, A., Vanathi, P.T.


International Journal of Signal and Imaging Systems Engineering, 2008, 1(3-4), pp. 231–237


0

Cited by

View abstract  View at Publisher Related documents

< Previous 1 Next >

Display 200 results 

 Learn more about Scopus profiles

Back to top

About Scopus

What is Scopus
Content coverage
Scopus blog
Scopus API
Privacy matters



Language

日本語に切り替える
切换到简体中文
切换到繁體中文
Русский язык

Customer Service

Help
Contact us

ELSEVIER

Terms and conditions  Privacy policy 

Copyright © Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies.



