

Prof. ALİ GANGAL

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 1989 - 1995

Post Graduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Turkey 1986 - 1989

Under Graduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1982 - 1986

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Electrical and Electronics Engineering, Engineering and Technology

Courses

MATLAB Uygulamalı Haberleşme Sistem Analizi, Post Graduate, 2015 - 2016

Advising Theses

GANGAL A., Telsiz Haberleşme Kanallarında Çeşitleme Teknikleri, Doctorate, G.HACIOĞLU(Student), 2012

GANGAL A., Eski Filmlerin Onarılması, Doctorate, B.DİZDAROĞLU(Student), 2008

GANGAL A., Yeni Bir Ardışıl Kodlama, Doctorate, T.ÇAVDAR(Student), 2004

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Automatic detection of the respiratory cycle from recorded, single-channel sounds from lungs**
Aras S., ÖZTÜRK M., GANGAL A.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.26, pp.11-22, 2018
(Journal Indexed in SCI)
- **Automatic reduction of periodic noise in images using adaptive Gaussian star filter**
Ketenci S., GANGAL A.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, pp.2336-2348,
2017 (Journal Indexed in SCI)
- **Automatic reduction of periodic noise in images using adaptive Gaussian star filter**
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TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, pp.1-33, 2016 (Journal

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- **Clinical, Neurocognitive, Structural Imaging and Dermatoglyphics in Schizophrenia According to Kraepelin Criteria**
GULEC H., ULUSOY KAYMAK S., BILICI M., GANGAL A., KAYIKÇIOĞLU T., SARIA., Tan U.
NOROPSIKIYATRI ARSIV-ARCHIVES OF NEUROPSYCHIATRY, vol.50, pp.256-262, 2013 (Journal Indexed in SCI)
- **A Rate-1 Space-Time Diversity Method for Rotated 4-QAM Constellations**
HACIOĞLU G., GANGAL A.
WIRELESS PERSONAL COMMUNICATIONS, vol.64, pp.211-223, 2012 (Journal Indexed in SCI)
- **A Transmit Diversity Method for DVB-H and IEEE 802.20**
HACIOĞLU G., GANGAL A.
IEEE COMMUNICATIONS LETTERS, vol.15, pp.1356-1358, 2011 (Journal Indexed in SCI)
- **Rate 1 space-time and space-frequency spreading diversity technique**
HACIOĞLU G., GANGAL A.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.19, pp.463-482, 2011 (Journal Indexed in SCI)
- **Application of Sequential Estimation Algorithm Based on Branch Metric to Frequency-Selective Channel Equalization**
ÇAVDAR T., GANGAL A.
WIRELESS PERSONAL COMMUNICATIONS, vol.55, pp.655-664, 2010 (Journal Indexed in SCI)
- **A new sequential decoding algorithm based on branch metric**
ÇAVDAR T., GANGAL A.
WIRELESS PERSONAL COMMUNICATIONS, vol.43, pp.1093-1100, 2007 (Journal Indexed in SCI)
- **A Spatiotemporal Algorithm for Detection and Restoration of Defects in Old Color Films**
DİZDAROĞLU B., GANGAL A.
LECTURE NOTES IN COMPUTER SCIENCE, vol.4678, pp.509-520, 2007 (Journal Indexed in SCI Expanded)
- **Automatic restoration of old motion picture films using spatiotemporal exemplar-based inpainting**
Gangal A., Dizdaroglu B.
ADVANCED CONCEPTS FOR INTELLIGENT VISION SYSTEMS, PROCEEDINGS, vol.4179, pp.55-66, 2006 (Journal Indexed in SCI)
- **An improved motion-compensated restoration method for damaged color motion picture films**
GANGAL A., KAYIKCIOGLU T., Dizdaroglu B.
SIGNAL PROCESSING-IMAGE COMMUNICATION, vol.19, pp.353-368, 2004 (Journal Indexed in SCI)
- **A surface-based method for detection of coronary vessel boundaries in poor quality X-ray angiogram images**
KAYIKCIOGLU T., GANGAL A., TURHAL M., Kose C.
PATTERN RECOGNITION LETTERS, vol.23, pp.783-802, 2002 (Journal Indexed in SCI)
- **Reconstructing coronary arterial segments from three projection boundaries**
Kayikcioglu T., GANGAL A., TURHAL M.
PATTERN RECOGNITION LETTERS, vol.22, pp.611-624, 2001 (Journal Indexed in SCI)
- **Reconstructing ellipsoids from three projection contours**
Kayikcioglu T., GANGAL A., OZER M.
PATTERN RECOGNITION LETTERS, vol.21, pp.959-968, 2000 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **Comparison of Different Features Derived from Mel Frequency Cepstrum Coefficients for Classification of Single Channel Lung Sounds**
Aras S., GANGAL A.
40th International Conference on Telecommunications and Signal Processing (TSP), Barcelona, Spain, 5 - 07 July 2017, pp.346-349
- **Investigation of an Appropriate Feature Extraction Methods Based on Single Channel Lung Sounds**
Aras S., Cinel M., GANGAL A.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017

- **Endpoint Detection of Lung Sounds for Electronic Auscultation**

Aras S., ÖZTÜRK M., GANGAL A.

39th International Conference on Telecommunications and Signal Processing (TSP), Vienna, Austria, 27 - 29 June 2016, pp.405-408

- **Elektronik Oskültasyon ile Kayıt Edilen Sağlıklı ve Patolojik Akciğer Seslerinin Sınıflandırılması**

BÜLBÜL Y., GANGAL A.

Sinyal işleme ve iletişim uygulamaları kurultayı, Malatya, Turkey, 16 - 19 May 2015, pp.156-159

- **Genlikleri Normalize Edilmiş Sağlıklı ve Patolojik Akciğer Seslerinin Sınıflandırılması.**

Aras S., GANGAL A., BÜLBÜL Y.

Sinyal işleme ve iletişim uygulamaları kurultayı, Malatya, Turkey, 16 - 19 May 2015, pp.1052-1055

- **Recognition of sign language numbers via electromyography signals**

KETENCİ S., KAYIKÇIOĞLU T., GANGAL A.

Signal Processing and Communications Applications Conference (SIU), 2015 23th, Malatya, Turkey, 16 - 19 May 2015, pp.2593-2596

- **Recognition of Sign Language Numbers via Electromyography Signals**

Ketenci S., KAYIKÇIOĞLU T., GANGAL A.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.2593-2596

- **Classification of Healthy and Pathologic Lung Sounds Recorded with Electronic Auscultation**

Aras S., GANGAL A., BÜLBÜL Y.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.252-255

- **Classification of Normalized Healthy and Pathological Lung Sounds**

Aras S., GANGAL A., BÜLBÜL Y.

23rd Signal Processing and Communications Applications Conference (SIU), Malatya, Turkey, 16 - 19 May 2015, pp.1150-1153

- **Recognition of real time voiced direction commands**

ARAS S., ÖZTÜRK M., GANGAL A.

Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Trabzon, Turkey, 23 - 25 April 2014, pp.2245-2248

- **Recognition of Real Time Voiced Direction Commands**

Aras S., ÖZTÜRK M., GANGAL A.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.2245-2248

- **Eggshell Defects Detection on White Eggs Using Image Processing Techniques**

Ozturk N., GANGAL A.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.810-813

- **An Effective Algorithm For Automatic Modulation Recognition**

Ghasemi S., GANGAL A.

22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Turkey, 23 - 25 April 2014, pp.903-906

- **An effective algorithm for automatic modulation recognition**

GANGAL A.

Signal Processing and Communications Applications Conference (SIU), 2014 22nd, IEEE, Trabzon, Turkey, 22 - 24 April 2013, vol.1, pp.903-906

- **Design of Gaussian star filter for reduction of periodic noise and quasi-periodic noise in gray level images**

KETENCİ S., GANGAL A.

Innovations in Intelligent Systems and Applications (INISTA), 2012 International Symposium on, Trabzon, Turkey, 2 - 04 June 2012, pp.1-5

- **A spatiotemporal algorithm for detection and restoration of defects in old color films**

DİZDAROĞLU B., GANGAL A.

9th International Conference on Advanced Concepts for Intelligent Vision Systems, Delft, Netherlands, 28 - 31 August 2007, vol.4678, pp.509-520

- **A spatiotemporal inpainting method for blotches removal in old color films**
DİZDAROĞLU B., GANGAL A.
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.294-297
- **Repairing of motion vectors within defect regions based on temporal continuity of motion trajectory and blotch detection in old color films**
DİZDAROĞLU B., GANGAL A.
IEEE 15th Signal Processing and Communications Applications Conference, Eskişehir, Turkey, 11 - 13 June 2007, pp.290-293
- **Film restoration based on inpainting**
DİZDAROĞLU B., GANGAL A.
IEEE 14th Signal Processing and Communications Applications, Antalya, Turkey, 16 - 19 April 2006, pp.449-450
- **Bozulmuş Renkli Sinema Filmlerindeki Lekelerin Aradegerleme ile Yok edilmesi**
DİZDAROĞLU B., GANGAL A.
SIU 2003 11. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, İstanbul, Turkey, 18 - 20 June 2003, pp.1
- **Bir ML Yumuşak Kararlı Ardışık Kod Çözme Algoritması ve Diğer Ardışık Kod Çözme Algoritmalarıyla Karşılaştırılması**
ÇAVDAR T., GANGAL A.
IEEE 11. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SIU 2003), İstanbul, Turkey, 18 - 20 June 2003, pp.711-714
- **Eski Sinema Filmlerinin Bulanık Mantığa Dayalı Onarılması**
GANGAL A., DİZDAROĞLU B.
SIU 2002 10. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Denizli, Turkey, 12 - 14 June 2002, pp.1220-1225
- **Bulanık Mantık Tabanlı Parametre Kestirimi ve Sayısal Koruma Rôlelerine Uygulanması**
DİZDAROĞLU B., Altaş İ. H. , GANGAL A.
Elektrik-Elektronik Bilgisayar 8. Ulusal Kongresi, Gaziantep, Turkey, 6 - 12 September 1999, pp.681-684
- **İşaret Örneklemede Bulanık Mantık Yöntemi**
DİZDAROĞLU B., GANGAL A., KAYIKÇIOĞLU T., ATASOYA.
5. Sinyal İşleme ve Uygulamaları Kurultayı, Nevşehir, Turkey, 1 - 03 May 1997, vol.2, pp.855-860
- **İsaret Örneklemede Bulanık Mantık Yöntemi**
DİZDAROĞLU B., GANGAL A., Kayıkçioğlu T., Atasoy A.
5. Sinyal İşleme ve Uygulamaları Kurultayı, İzmir, Turkey, 1 - 03 May 1997, pp.855-860
- **Doğrusal Zamanla Değişmeyen Dizgelerin Durum Modeli Parametrelerinin Kestirimi**
ATASOYA A., KAYIKÇIOĞLU T., GANGAL A.
5. Sinyal İşleme ve Uygulamaları Kurultayı, Nevşehir, Turkey, 1 - 03 May 1997, vol.1, pp.420-425
- **Improvement of video signal-to-noise ratio with adaptive recursive filtering**
GANGAL A., Kayıkcioglu T., ATASOYA A., OZER M.
8th Mediterranean Electrotechnical Conference on Industrial Applications in Power Systems, Computer Science and Telecommunications (Melecon 96), Bari, Italy, 13 - 16 May 1996, pp.1686-1689

Supported Projects

GANGAL A., TUBITAK Project, Elektronik Oskültasyon İle Kayıt Edilen Akciğer Seslerinin Otomatik Tanınması İçin Etkin Bir Öznitelik Çıkarma Ve Sınıflandırma Yöntemi Geliştirme, 2016 - 2017

Activities in Scientific Journals

Turkish Journal of Electrical and Computer Engineering, Committee Member, 2015 - Continues
Turkish Journal of Electrical and Computer Engineering, Editor, 2015 - Continues

Scientific Refereeing

IEEE Signal Processin Letters, SCI Journal, January 2017

Wireless Personal Communications, SCI Journal, January 2017

Turkish Journal of Electrical and Computer Engineering, SCI Journal, January 2017

Signal Processing, SCI Journal, January 2017

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Citations

Total Citations (WOS):102

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