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Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: I-3321-2013

Yoksis Araştırmacı ID: 201573

Eğitim Bilgileri

Doktora, The University of Texas at Arlington, Science, Mathematics, Amerika Birleşik Devletleri 2006 - 2009

Yüksek Lisans, McMaster University, Science, Mathematics, Kanada 2003 - 2005

Yüksek Lisans, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Türkiye 1999 - 2002

Lisans, Anadolu Üniversitesi, Fen Fakültesi, Matematik, Türkiye 1995 - 1999

Yaptığı Tezler

Doktora, A new method for nonrigid registration of 3d images, The University Of Texas At Arlington, Science, Mathematics, 2009

Yüksek Lisans, Alternate duals of Gabor subspace frames, Mcmaster University, Science, Mathematics, 2005

Yüksek Lisans, Kume Degerli donusumlerin sureklilikleri, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 2002

Araştırma Alanları

Matematik, Sayısal Analiz, Temel Bilimler

Akademik Unvanlar / Görevler

Doç. Dr., Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Matematik Mühendisliği, 2015 - Devam Ediyor

Yrd. Doç. Dr., Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Matematik Mühendisliği, 2013 - 2015

Yrd. Doç. Dr., Bilecik Şeyh Edebali Üniversitesi, Fen-Edebiyat Fakültesi, Matematik, 2011 - 2013

Araştırma Görevlisi Dr., Sabancı Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Bilgisayar Müh., 2010 - 2011

Araştırma Görevlisi Dr., The Florida State University, Scientific Computing, Scientific Computing, 2009 - 2010

Araştırma Görevlisi, The University of Texas at Arlington, Science Fakülty, Matematik, 2006 - 2009

Araştırma Görevlisi, McMaster University, Science Fakulty, Matematik, 2003 - 2005

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. Mild solutions of a fractional partial differential equation with noise

- Bouteraa N., İNÇ M., AKINLAR M. A., Bin-Mohsin B.
 MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.44, sa.7, ss.5648-5662, 2021 (SCI-Expanded)
- II. **New numerical solutions of fractional-order Korteweg-de Vries equation**
 Inc M., Parto-Haghighi M., AKINLAR M. A., Chu Y.
 RESULTS IN PHYSICS, cilt.19, 2020 (SCI-Expanded)
- III. **Soliton solutions for system of ion sound and Langmuir waves**
 Mohammed W. W., Abdelrahman M. A. E., İNÇ M., Hamza A. E., AKINLAR M. A.
 OPTICAL AND QUANTUM ELECTRONICS, cilt.52, sa.10, 2020 (SCI-Expanded)
- IV. **A new fractional-order compartmental disease model**
 Luu Vu Cam Hoan L. V. C. H., AKINLAR M. A., İNÇ M., Gomez-Aguilar J. F., Chu Y., Almohsen B.
 ALEXANDRIA ENGINEERING JOURNAL, cilt.59, sa.5, ss.3187-3196, 2020 (SCI-Expanded)
- V. **New solutions of fractional-order Burger-Huxley equation**
 İNÇ M., Partohaghighi M., AKINLAR M. A., Agarwal P., Chu Y.
 RESULTS IN PHYSICS, cilt.18, 2020 (SCI-Expanded)
- VI. **New Exact Solutions and Conservation Laws to the Fractional-Order Fokker-Planck Equations**
 Kadkhoda N., Lashkarian E., İNÇ M., AKINLAR M. A., Chu Y.
 SYMMETRY-BASEL, cilt.12, sa.8, 2020 (SCI-Expanded)
- VII. **Solutions of a disease model with fractional white noise**
 AKINLAR M. A., İNÇ M., Gomez-Aguilar J. F., Boutarfa B.
 CHAOS SOLITONS & FRACTALS, cilt.137, 2020 (SCI-Expanded)
- VIII. **New Positive Solutions of Nonlinear Elliptic PDEs**
 İNÇ M., Bouteraa N., AKINLAR M. A., Benaicha S., Chu Y., Weber G., Almohsen B.
 APPLIED SCIENCES-BASEL, cilt.10, sa.14, 2020 (SCI-Expanded)
- IX. **Applicability of time conformable derivative to Wick-fractional-stochastic PDEs**
 Korpınar Z., Tchier F., İNÇ M., Bousbahi F., Tawfiq F. M. O., AKINLAR M. A.
 ALEXANDRIA ENGINEERING JOURNAL, cilt.59, sa.3, ss.1485-1493, 2020 (SCI-Expanded)
- X. **New Uniform Motion and Fermi-Walker Derivative of Normal Magnetic Biharmonic Particles in Heisenberg Space**
 Korpınar T., Korpınar Z., Chu Y., AKINLAR M. A., İNÇ M.
 SYMMETRY-BASEL, cilt.12, sa.6, 2020 (SCI-Expanded)
- XI. **Chirped solitons in negative index materials generated by Kerr nonlinearity**
 Houwe A., İNÇ M., Doka S. Y., AKINLAR M. A., Baleanu D.
 RESULTS IN PHYSICS, cilt.17, 2020 (SCI-Expanded)
- XII. **Chaos control and solutions of fractional-order Malkus waterwheel model**
 AKINLAR M. A., Tchier F., İNÇ M.
 CHAOS SOLITONS & FRACTALS, cilt.135, 2020 (SCI-Expanded)
- XIII. **Explicit solutions to the Sharma-Tasso-Olver equation**
 Abdou M. A., Ouahid O., Owyed S., Abdel-Baset A. M., İNÇ M., AKINLAR M. A., Chu Y.
 AIMS MATHEMATICS, cilt.5, sa.6, ss.7272-7284, 2020 (SCI-Expanded)
- XIV. **New exact solutions for the Kaup-Kupershmidt equation**
 İNÇ M., Miah M., Chowdhury A., Ali S., Rezazadeh H., AKINLAR M. A., Chu Y.
 AIMS MATHEMATICS, cilt.5, sa.6, ss.6726-6738, 2020 (SCI-Expanded)
- XV. **New solitary wave solutions for the conformable Klein-Gordon equation with quantic nonlinearity**
 İNÇ M., Rezazadeh H., Vahidi J., Eslami M., AKINLAR M. A., Ali M. N., Chu Y.
 AIMS MATHEMATICS, cilt.5, sa.6, ss.6972-6984, 2020 (SCI-Expanded)
- XVI. **Stability, Synchronization Control and Numerical Solution of Fractional Shimizu-Morioka Dynamical System**
 Akinlar M. A., Seçer A., Bayram M.
 APPLIED MATHEMATICS & INFORMATION SCIENCES, cilt.8, ss.1699-1705, 2014 (SCI-Expanded)
- XVII. **Numerical Solution of Fractional Benney Equation**
 Akinlar M. A., Seçer A., Bayram M.

- APPLIED MATHEMATICS & INFORMATION SCIENCES, cilt.8, ss.1633-1637, 2014 (SCI-Expanded)
- XVIII. **Sinc-Galerkin method for approximate solutions of fractional order boundary value problems**
Seçer A., Alkan S., Akinlar M. A., Bayram M.
BOUNDARY VALUE PROBLEMS, 2013 (SCI-Expanded)
- XIX. **A Novel Matching of MR Images Using Gabor Wavelets**
Akinlar M. A., Kurulay M., Seçer A., Celenk M.
IETE TECHNICAL REVIEW, cilt.30, ss.129-133, 2013 (SCI-Expanded)
- XX. **A fast and efficient 3D medical image registration method Szybka i efektywna metoda rejestracji obrazu medycznego 3D**
Akinlar M. A., KURULAY M., SEÇER A.
Przegląd Elektrotechniczny, cilt.89, ss.199-202, 2013 (SCI-Expanded)
- XXI. **A New Method for Parameter Sensitivity Analysis of Lorenz Equations**
Akinlar M. A.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2013 (SCI-Expanded)
- XXII. **A Novel Method for Analytical Solutions of Fractional Partial Differential Equations**
Akinlar M. A., Kurulay M.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2013 (SCI-Expanded)
- XXIII. **Computational Solution of a Fractional Integro-Differential Equation**
Kurulay M., Akinlar M. A., Ibragimov R.
ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)
- XXIV. **Application of a finite element method for variational inequalities**
Akinlar M. A.
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)
- XXV. **A New Approximate Analytical Solution of Kuramoto - Sivashinsky Equation Using Homotopy Analysis Method**
Kurulay M., Secer A., Akinlar M. A.
APPLIED MATHEMATICS & INFORMATION SCIENCES, cilt.7, ss.267-271, 2013 (SCI-Expanded)
- XXVI. **Efficient Variational Approaches for Deformable Registration of Images**
Akinlar M. A., Kurulay M., Seçer A., Bayram M.
ABSTRACT AND APPLIED ANALYSIS, 2012 (SCI-Expanded)
- XXVII. **Curvature-driven diffusion-based mathematical image registration models**
Akinlar M. A., Kurulay M., Seçer A., Celenk M.
ADVANCES IN DIFFERENCE EQUATIONS, 2012 (SCI-Expanded)
- XXVIII. **A computational method using multiresolution for volumetric data integration**
Akinlar M. A., Kurulay M., Seçer A., Celenk M.
BOUNDARY VALUE PROBLEMS, 2012 (SCI-Expanded)
- XXIX. **An efficient computer application of the sinc-Galerkin approximation for nonlinear boundary value problems**
Seçer A., Kurulay M., Bayram M., Akinlar M. A.
BOUNDARY VALUE PROBLEMS, 2012 (SCI-Expanded)
- XXX. **Efficient solutions of systems of fractional PDEs by the differential transform method**
Seçer A., Akinlar M. A., Çevikel A. C.
ADVANCES IN DIFFERENCE EQUATIONS, 2012 (SCI-Expanded)
- XXXI. **Oblique duals associated with rational subspace gabor frames**
Akinlar M. A., GABARDO J.
Journal of Integral Equations and Applications, cilt.20, sa.3, ss.283-309, 2008 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. NEW SOLUTIONS OF HYPERBOLIC TELEGRAPH EQUATION

İNÇ M., Partohaghighi M., AKINLAR M. A., Weber G.

JOURNAL OF DYNAMICS AND GAMES, cilt.8, sa.2, ss.129-138, 2021 (ESCI)

II. **An efficient deformable image registration method with Mexican hat wavelets**

Akinlar M. A., Ibragimov R.

Discontinuity, Nonlinearity, and Complexity, cilt.1, sa.4, ss.409-413, 2012 (Scopus)

III. **Computational frameworks for image enhancement**

Akinlar M. A., Ibragimov R. N.

Applied Mathematical Sciences, cilt.4, ss.3035-3042, 2010 (Scopus)

Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

I. **Derive Steady State Rate Equations in Biochemical Kinetic Theory**

BAYRAM M., SEÇER A., AKINLAR M. A., PARTAL T.

International Conference on Applied Analysis and Mathematical Modeling, 8 - 12 Haziran 2015, (Özet Bildiri)

II. **How to fit kinetics parameter in an enzyme kinetics**

BAYRAM M., AKINLAR M. A., SEÇER A.

International Conference on Applied Analysis and Mathematical Modeling, 8 - 12 Haziran 2015, (Özet Bildiri)

III. **Generalized polynomial chaos approaches for stochastic system of equations**

ÖZDEMİR N., AKINLAR M. A.

International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Türkiye, 08 Haziran 2015, ss.241, (Özet Bildiri)

IV. **Bifurcation Analysis of Deterministic and Stochastic Dynamical Systems**

ÖZDEMİR N., AKINLAR M. A., BAYRAM M.

4th International Conference on Mathematics & Information Science, Kahire, Mısır, 05 Şubat 2015, ss.51

V. **Wavelet-petrov-galerkin method for numerical solution of boussinesq equation**

Akinlar M. A., SEÇER A.

2013 2nd International Conference on Chemical, Mechanical and Materials Engineering, CMME 2013, Melbourne, Avustralya, 20 - 21 Ocak 2013, cilt.319, ss.451-455

VI. **Medical image compression using quad-tree fractals and segmentation**

Khalili F., Celenk M., Akinlar M. A.

2013 International Conference on Image Processing, Computer Vision, and Pattern Recognition, IPCV 2013, at WORLDCOMP 2013, Nevada, Amerika Birleşik Devletleri, 22 - 25 Temmuz 2013, cilt.1, ss.118-122

VII. **Cancerous Lesion Detection from Nevoscope Skin Surface Images via Parametric Color Clustering**

Dhinagar N. J., Glasgo I., Celenk M., Akinlar M. A.

Chinese Conference on Pattern Recognition, Beijing, Çin, 24 - 26 Eylül 2012, cilt.321, ss.367-369

VIII. **Noninvasive screening and discrimination of skin images for early melanoma detection**

Dhinagar N. J., Celenk M., Akinlar M. A.

5th International Conference on Bioinformatics and Biomedical Engineering, iCBBE 2011, Wuhan, Çin, 10 - 12 Mayıs 2011

Bilimsel Dergilerdeki Faaliyetler

Uluslararası hakemli dergi, Editör, 2019 - Devam Ediyor

Information Engineering and Applied Computing, Editör, 2018 - Devam Ediyor

International Journal of Mathematics and Systems Sciences, Editör, 2018 - Devam Ediyor

Applied Mathematical Sciences, Editör, 2018 - Devam Ediyor

Metrikler

Yayın: 43

Atıf (WoS): 119

Atıf (Scopus): 199

H-İndeks (WoS): 6

H-İndeks (Scopus): 8