

## **Personal Information**

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## **Education Information**

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Fizik (Dr), Turkey 2005 - 2011

Post Graduate, Marmara University, Faculty of Arts and Sciences, Physics, Turkey 2001 - 2004

Under Graduate, Marmara University, Faculty of Arts and Sciences, Physics, Turkey 1999 - 2001

## **Foreign Languages**

English, C2 Proficiency

## **Dissertations**

Doctorate, Neodyum (Nd+3) katkılı yitriyumsilikat (Nd<sup>3+</sup>:Y<sub>2</sub>SiO<sub>5</sub>) nanofosfor sentezi, optiksel ve yapısal özellikleri, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2011

Post Graduate, Lutesyum Fitolasiyaninlerin Yapısal ve Elektriksel Özellikleri, Marmara Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2004

## **Research Areas**

Natural Sciences, Engineering and Technology

## **Academic Titles / Tasks**

Assistant Professor, Marmara University, Faculty of Arts and Sciences, Physics, 2016 - 2018

Research Assistant PhD, Marmara University, Faculty of Arts and Sciences, Physics, 2011 - 2016

Research Assistant, Marmara University, Faculty of Arts and Sciences, Physics, 2001 - 2016

## **Professional Experience**

Deputy Head of Department, Marmara University, Faculty of Arts and Sciences, Physics, 2017 - Continues

## **Courses**

Circuit Analysis, Under Graduate, 2019 - 2020

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

- **Enhanced gain bandwidth of Tm<sup>3+</sup> and Er<sup>3+</sup> doped tellurite glasses for broadband optical amplifier**  
Pepe Y., ERDEM M., Sennaroglu A., Eryürek G.  
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.522, 2019 (Journal Indexed in SCI)

- **Crystalline phase effect on the up-conversion processes and white emission of Yb<sup>3+</sup>/Er<sup>3+</sup>/Tm<sup>3+</sup>:Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> nanocrystals**  
ERDEM M., Tabanlı S., Eryurek G., Samur R., Di Bartolo B.  
DALTON TRANSACTIONS, vol.48, pp.6464-6472, 2019 (Journal Indexed in SCI)
- **Broadband, White Light Emission from Doped and Undoped Insulators**  
Tabanlı S., Yılmaz H. C. , Bilir G., Erdem M., Eryurek G., Di Bartolo B., Collins J.  
ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY, vol.7, 2018 (Journal Indexed in SCI)
- **Effect of pressure and temperature on the white light produced by Ytterbium (III) doped and undoped Yttrium Silicate nanopowders excited by a laser diode**  
Çinkaya Yılmaz H., Eryürek G., Bilir G., ERDEM M., Di Bartolo B.  
JOURNAL OF LUMINESCENCE, vol.181, pp.321-326, 2017 (Journal Indexed in SCI)
- **Blue cooperative upconversion and white light emission from Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub>:Yb<sup>3+</sup> nanopowders due to 975-nm infrared excitation**  
Eryürek G., Çinkaya Yılmaz H., ERDEM M., Bilir G.  
JOURNAL OF NANOPHOTONICS, vol.10, 2016 (Journal Indexed in SCI)
- **Pressure effects on the cooperative emission of Yb<sup>3+</sup> : Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> nano-powders**  
ERDEM M., Eryürek G., Mergen A., Di Bartolo B.  
CERAMICS INTERNATIONAL, vol.42, pp.1501-1506, 2016 (Journal Indexed in SCI)
- **Structural and optical properties of Nd<sup>3+</sup> doped columbite SrNb<sub>2</sub>O<sub>6</sub>**  
EKMEKÇİ M. K. , ERDEM M., BAŞAK A. S. , DANIŞ Ö.  
OPTİK, vol.127, pp.4123-4126, 2016 (Journal Indexed in SCI)
- **Bright white up-conversion emission from sol-gel derived Yb<sup>3+</sup>/Er<sup>3+</sup>/Tm<sup>3+</sup>: Y<sub>2</sub>SiO<sub>5</sub> nanocrystalline powders**  
ERDEM M., Erguzel O., EKMEKÇİ M. K. , ÖRÜCÜ H., Çinkaya Yılmaz H., GENÇ S., Mergen A., Eryürek G., Di Bartolo B.  
CERAMICS INTERNATIONAL, vol.41, pp.12805-12810, 2015 (Journal Indexed in SCI)
- **Change of spectral output with pressure and white light generation in nanoscale Yb<sup>3+</sup>:Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub>**  
ERDEM M., Eryürek G., Di Bartolo B.  
OPTICAL MATERIALS, vol.49, pp.90-93, 2015 (Journal Indexed in SCI)
- **Molten salt synthesis and optical properties of Eu<sup>3+</sup>, Dy<sup>3+</sup> or Nd<sup>3+</sup> doped NiNb<sub>2</sub>O<sub>6</sub> columbite-type phosphors**  
Elmekci M. K. , ERDEM M., BAŞAK A. S. , İlhan M., Mergen A.  
CERAMICS INTERNATIONAL, vol.41, pp.9680-9685, 2015 (Journal Indexed in SCI)
- **Structural and Spectroscopic Properties of -Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> Nanopowders Activated with Nd<sup>3+</sup> Ions**  
ERDEM M., EKMEKÇİ M. K. , ÖRÜCÜ H., Bilir G.  
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, vol.12, pp.1016-1019, 2015 (Journal Indexed in SCI)
- **White light emission from sol-gel derived gamma-Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> nanoparticles**  
ERDEM M., Eryürek G., Di Bartolo B.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.639, pp.483-487, 2015 (Journal Indexed in SCI)
- **Up conversion based white light emission from sol-gel derived alpha-Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> nanoparticles activated with Yb<sup>3+</sup>, Er<sup>3+</sup> ions**  
ERDEM M., Sitt B.  
OPTICAL MATERIALS, vol.46, pp.260-264, 2015 (Journal Indexed in SCI)
- **Thermal and size effect on the R lines luminescence in YAG:Cr<sup>3+</sup>**  
Erdem M., Ozen G., YAHŞI U., Di Bartolo B.  
JOURNAL OF LUMINESCENCE, vol.158, pp.464-468, 2015 (Journal Indexed in SCI)
- **Molten salt synthesis, visible and near-IR region spectral properties of europium or neodymium doped CoNb<sub>2</sub>O<sub>6</sub> columbite niobate**  
EKMEKÇİ M. K. , ERDEM M., BAŞAK A. S.  
DALTON TRANSACTIONS, vol.44, pp.5379-5385, 2015 (Journal Indexed in SCI)
- **Concentration effect of Er<sup>3+</sup> ions on structural and spectroscopic properties of CdNb<sub>2</sub>O<sub>6</sub> phosphors**  
Ghafouri S. A. , ERDEM M., EKMEKÇİ M. K. , Mergen A., Ozen G.

MATERIALS RESEARCH BULLETIN, vol.60, pp.562-565, 2014 (Journal Indexed in SCI)

- **Molten salt synthesis and spectral properties of Nd<sup>3+</sup> doped CdNb<sub>2</sub>O<sub>6</sub> columbite phosphors**  
EKMEKÇİ M. K. , ERDEM M., Mergen A., Ozen G., Di Bartolo B.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.591, pp.230-233, 2014 (Journal Indexed in SCI)
- **Effect of spatial confinement on luminescence of Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub> nano-particles doped with chromium ions**  
Ozen G., ERDEM M., Collins J., Bettinelli M., Di Bartolo B., Piccinelli F., Speghini A.  
JOURNAL OF LUMINESCENCE, vol.144, pp.191-197, 2013 (Journal Indexed in SCI)
- **Structural and spectroscopic properties of Nd<sup>3+</sup>:Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> phosphors**  
ERDEM M., Ozen G., TAV C., Di Bartolo B.  
CERAMICS INTERNATIONAL, vol.39, pp.6029-6033, 2013 (Journal Indexed in SCI)
- **Crystallization behaviour of neodymium doped yttrium silicate nanophosphors**  
ERDEM M., Ozen G., TAV C.  
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.31, pp.2629-2631, 2011 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **Concentration and Crystalline Phase Effects on the Spectroscopic Properties of Sol-Gel Synthesized Er<sup>3+</sup>:Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> Nanopowders**  
ERDEM M., ÖRÜCÜ H.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.21, pp.173-177, 2017 (Other Refereed National Journals)
- **Magnetic effect on the phase properties of neodymium-activated yttrium disilicate nanomaterials**  
ERDEM M., BOYRAZ C.  
TURKISH JOURNAL OF PHYSICS, vol.40, pp.270-277, 2016 (Journal Indexed in ESCI)

## Book & Book Chapters

- **in: Advanced Study Institute on NATO ASI on Quantum Nano-Photonics,**  
TABANLI S., ERDEM M., Canturk B., MERGEN A., ERYÜREK G.  
Solid State Synthesis, Structural and Up-Conversion Properties of Yb<sup>3+</sup>/Er<sup>3+</sup> and Yb<sup>3+</sup>/Tm<sup>3+</sup>/Er<sup>3+</sup> Doped La<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub> Phosphors,, , Editor, Springer, pp.449-451, 2018
- **in: Nano-Optics: Principles Enabling Basic Research and Applications**  
ÇINKAYA YILMAZ H., BİLİR G., ERDEM M., ERYÜREK G.  
Investigation of the Luminescence Spectral Profiles and the Efficiencies of Yb<sup>3+</sup>, Nd<sup>3+</sup>, Tm<sup>3+</sup> Doped Y<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> Nano-phosphors, Baldassare Di Bartolo, John Collins, Luciano Silvestri, Editor, Springer Netherlands, pp.441-444, 2017

## Refereed Congress / Symposium Publications in Proceedings

- **Photoluminescence and optical temperature sensing properties of Er<sup>3+</sup>/Yb<sup>3+</sup> codoped cadmium niobate**  
ERDEM M., CANTÜRK S. B. , EKMEKÇİ M. K. , ÖRÜCÜ H.  
35. International Turkish Physics Congress, 4 - 08 Eylül 2019
- **Temperature sensing behavior in Er<sup>3+</sup>/Yb<sup>3+</sup> codoped Lutetium oxyorthosilicate nanopowders**  
ÖRÜCÜ H., ERDEM M.  
35. International Turkish Physics Congress, 4 - 08 Eylül 2019
- **Synthesis, characterization and luminescence spectroscopy of GGG:Er<sup>3+</sup>,Yb<sup>3+</sup> nanopowders prepared by sol-gel method**  
ÖRÜCÜ H., ERDEM M., ERYÜREK G.  
14. Nanoscience and Nanotechnology Conference, 23 - 25 Eylül 2018
- **Optical temperature sensing properties of Er<sup>3+</sup>/Yb<sup>3+</sup> codoped Gadolinium gallium garnet nanopowders**  
ÖRÜCÜ H., ERDEM M.

34. International Turkish Physics Congress, 4 - 10 Eylül 2018

- **Nonlinear Optical Absorption and Refraction Properties of Zinc Phthalocyanine Compounds**

ERDEM M., EDEŞ HUYAL F. K. , ERYÜREK G., PEKBELGİN KARAOĞLU H. R. , KOÇAK M.

The congress of International Turkish World Engineering and Science, 7 - 10 Aralık 2017

- **The Effect of substrate on physical properties of CdCr<sub>2</sub>S<sub>4</sub> thin films**

BOYRAZ C., ERDEM M., URFA Y., ÖZDEMİR M.

1 st international Symposium on Multidisciplinary Studies and Innovative Technologies, 2 - 04 Kasım 2017

- **Laser induced broad anti-Stokes white emission from La<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub> activated with RE<sup>3+</sup> ions**

ERDEM M., CANTÜRK B., MERGEN A., ERYÜREK G.

1.st International Symposium on Multidisciplinary Studies and Innovative Technologies, 2 - 04 Kasım 2017

- **Morphology and Broad White Light Emission properties of Yb<sup>3+</sup>/Er<sup>3+</sup>/Tm<sup>3+</sup>: Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub>**

SAMUR R., ERDEM M., ERYÜREK G.

1st International Symposium on Multidisciplinary Studies and Innovative Technologies, 2 - 04 Kasım 2017

- **SYNTHESIS AND LUMINESCENCE PROPERTIES OF THULIUM(III) DOPED and THULIUM(III) /NEODYMIUM(III) CODOPED YTTRIUM SILICATE NANOPHOSPHORS**

ÇINKAYA YILMAZ H., ERYÜREK G., ERDEM M., Di Bartolo B.

The Porous and Powder Materials Symposium and Exhibitions- PPM2017, 12 - 15 Eylül 2017

- **Solid State Synthesis Structural and Up Conversion properties of Yb/Er<sup>3+</sup> and Yb<sup>3+</sup>/Tm<sup>3+</sup>/Er<sup>3+</sup> doped La<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub> phosphors**

TABANLI S., ERDEM M., Canturk B., MERGEN A., ERYÜREK G.

International School of Atomic and Molecular Spect. 34th Quantum Nanooptics, 20 Temmuz - 04 Ağustos 2017

- **Solid State Synthesis, Structural and Up-Conversion Properties of Yb<sup>3+</sup>/ Er<sup>3+</sup> and Yb<sup>3+</sup>/ Tm<sup>3+</sup>/ Er<sup>3+</sup> Doped La<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub> Phosphors**

Tabanlı S., ERDEM M., Canturk B., Mergen A., Eryürek G.

NATO-Advanced-Study-Institute Conference on Quantum Nano-Photonics, Erice, Italy, 3 - 04 Ağustos 2017, pp.449-451

- **Concentration effect on the Nonlinear Optical Absorption of the Novel 4-(2-(dibenzylamino)ethoxy) Substituted Nickel(II) Phthalocyanine Complex**

ERDEM M., SEMA Ş., EDEŞ F. K. , ÖZER M., SALİH B., ERYÜREK G., BEKAROĞLU Ö.

The International ISCMP Joint Science Congress of Materials and Polymers 25-28 August - Metropol Lake Resort - OHRID MACEDONIA, 25 Ağustos - 28 Temmuz 2017

- **Synthesis and Luminescence Properties of Lanthanide Doped Gd<sub>3</sub>Ga<sub>5</sub>O<sub>12</sub> Nanopowders**

ÖRÜCÜ H., ERDEM M., MERGEN A., ESMER K., ERYÜREK G.

WITAM 2016, 28 Eylül - 02 Ekim 2016

- **Synthesis and luminescence properties of lanthanide doped Gd<sub>3</sub>Ga<sub>5</sub>O<sub>12</sub> nanopowders**

ÖRÜCÜ H., ERDEM M., MERGEN A., ESMER K., ERYÜREK G.

2ND INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS, 28 Eylül - 02 Ekim 2016

- **Synthesis and Characterization of Gadolinium Gallium Garnet nanopowders by sol gel method**

ÖRÜCÜ H., ERDEM M.

Turkish Physical Society 32nd International Physics Congress, 6 - 09 Eylül 2016

- **Morphology and Luminescence Characteristics of Yttrium disilicate doped with Yb<sup>3+</sup> Er<sup>3+</sup> Ho<sup>3+</sup> and Tm<sup>3+</sup>**

BOYRAZ C., ERDEM M., EKMEKÇİ M. K. , TAV C., ERYÜREK G.

2 nd world congress on new technologies ICNFA, 18 - 19 Ağustos 2016

- **Spectroscopic Properties of Sol Gel Synthesized Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> Nd<sup>3+</sup> Nanopowders based on concentration and crystalline phase**

ÖRÜCÜ H., ERDEM M., ERYÜREK G.

Global Conferences on Applied Physics and Mathematics Rome (Italy), 25 - 27 Temmuz 2016

- **Synthesis characterizations and photoluminescence properties of Er<sup>3+</sup> Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> nanophosphors**

ERDEM M., ÖRÜCÜ H., EKMEKÇİ M. K.

Global Conferences on Applied Physics and Mathematics Rome (Italy), ROMA, Italy, 25 - 27 Temmuz 2016

- **Structural and Optical Properties of Rare Earth Nano Crystalline Oxides Embedded in Polymethyl Methacrylate**

TABANLI S., BİLİR G., ERDEM M., ERYÜREK G.

TechConnect World Innovation Conference, United States Of America, 22 - 25 Mayıs 2016, vol.4, pp.217-220

- **Effect of Pressure and Excitation Power on Up conversion Assisted White Light Emission in Yttrium Oxide and Silicate Nanophosphors**

ERYÜREK G., ERDEM M., BİLİR G.

TechConnect World Innovation Conference, 22 - 25 Mayıs 2016, vol.4, pp.234-238

- **Investigation of Boron doping effect on photoluminescence properties of Dy<sup>3+</sup> CdNb<sub>2</sub>O<sub>6</sub> phosphors**

BAŞAK A. S. , ERDEM M., EKMEKÇİ M. K.

20th International Conference on Solid Compounds of Transition Elements, SCTE-2016, Zaragoza, Spain, 11 - 15 Nisan 2016

- **Structural and Optical Properties of Nd<sup>3+</sup> Doped Columbite SrNb<sub>2</sub>O<sub>6</sub>**

EKMEKÇİ M. K. , ERDEM M., BAŞAK A. S. , MERGEN A.

20th International Conference on Solid Compounds of Transition Elements, SCTE-2016, 11 - 15 Nisan 2016

- **On the pressure dependence of White light emitted by NIR excited Ytterbium III doped Yttrium Silicate**

ÇINKAYA YILMAZ H., ERYÜREK G., KELLY C., BİLİR G., ERDEM M., COLLINS J., BARTOLO B. D.

2016 Spring Meeting APS New England Section, 1 - 02 Nisan 2016

- **Optical base pressure sensing ability of Yb<sup>3+</sup> Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> nanoparticles**

ERDEM M., ERYÜREK G., Bartolo B. D.

TechConnect World Innovation Conference, United States Of America, 22 - 25 Mayıs 2016, vol.4, pp.251-255

- **Phase Dependent Magnetic Properties of Neodymium Doped Yttrium Disilicate Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub>**

ERDEM M., BOYRAZ C.

6th International Conference on NANOTECHNOLOGY, Roma, Italy, 7 - 09 Kasım 2015

- **Phase Dependent Magnetic Properties of Neodymium Doped Yttriumdisilicates**

ERDEM M., BOYRAZ C.

6th International Conference on Nanotechnology(NANOTECHNOLOGY '15), Italy, 7 - 09 Kasım 2015, vol.55, pp.142-148

- **Cooperative and White Light Emission from Yb and Yb Er Doped Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> Nanopowders**

BALDASSARE D. B. , ERDEM M., JOHN C., BRYAN S., JOSEPH L.

228th ECS Meeting (October 11-15, 2015) Phoenix, USA, 11 - 15 Ekim 2015

- **Structural and Magnetic Properties of Yttriumdisilicates doped with Neodimium**

BOYRAZ C., ERDEM M.

International Powder Porous Materials,2015, 15 - 17 Eylül 2015

- **White Upconversion Emission From Yb<sup>3+</sup> Er<sup>3+</sup> Tm<sup>3+</sup> Y<sub>2</sub>Si<sub>2</sub>O<sub>5</sub> Nano Powders**

ERDEM M., OLGUN E., EKMEKÇİ M. K. , ÇINKAYA YILMAZ H., ÖRÜCÜ H., MERGEN A., ERYÜREK G., BALDASSARE D. B.

International Powder Porous Materials 2015, 15 Eylül 2015

- **Temperature Sensing Properties of Yb<sup>3+</sup> Er<sup>3+</sup> Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub>**

ERDEM M., BRYAN S., JOSEPH L., ERYÜREK G., BALDASSARE D. B.

International Powder Porous Materials, 15 - 18 Eylül 2015

- **Pressure Effect On The Yb<sup>3+</sup> Y<sub>2</sub>si<sub>2</sub>o<sub>7</sub> Nano Powders International Powder Porous Materials**

TAV C., ERDEM M., ERYÜREK G., MERGEN A., Di Bartolo .

International Powder Porous Materials, 15 - 17 Eylül 2015

- **Pressure Effect On The Yb<sup>3+</sup> Y<sub>2</sub>si<sub>2</sub>o<sub>7</sub> Nano Powders**

ERDEM M., TAV C., MERGEN A., ERYÜREK G., BALDASSARE D. B.

International Powder Porous Materials 2015, 15 Eylül - 18 Nisan 2015

- **Phase dependent Spectroscopic properties of Neodymium or Erbium doped Yttriumdisilicates**

ERDEM M., EKMEKÇİ M. K. , Collins J., TAV C., MERGEN A., ERYÜREK G., Di Bartolo B.

International Powder Porous Materials, 15 - 19 Eylül 2015

- **Structural and Magnetic Properties of Neodymium Doped Yttriumdisilicates with Neodimium**

BOYRAZ C., ERDEM M.

International Powder and Porous Materials 2015, İzmir, Turkey, 15 - 18 Eylül 2015

- **Synthesis and Optical Properties of Nd<sup>3+</sup> doped Ln<sub>3</sub>NbO<sub>7</sub> Phosphors**

EKMEKÇİ M. K. , ERDEM M.

LUMIDOZ 9: THE 9TH INTERNATIONAL CONFERENCE ON LUMINESCENCE AND ESR DOSIMETRY, Turkey, 02 Eylül 2014 - 04 Eylül 2015

- **Synthesis and Luminescent Properties of Europium Doped Rhombohedral type PbNb<sub>2</sub>O<sub>6</sub> phosphors**  
EKMEKÇİ M. K. , ERDEM M.  
LUMIDOZ 9: THE 9TH INTERNATIONAL CONFERENCE ON LUMINESCENCE AND ESR DOSIMETRY, Turkey, 2 - 04 Eylül 2015
- **Investigation of the Luminescence Spectral Profiles and the Efficiencies of Yb<sup>3+</sup>, Nd<sup>3+</sup>, Tm<sup>3+</sup> Doped Y<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> Nano-phosphors**  
Çinkaya Yılmaz H., Bilir G., ERDEM M., Eryürek G.  
NATO-Advanced-Study-Institute Meeting on Nano- Structures for Optics and Photonics - Nano-Optics - Principles Enabling Basic Research and Applications, Erice, Italy, 4 - 19 Temmuz 2015, pp.441-444
- **Broad White Light Emission from Sol Gel Derived alpha Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> Nanoparticles activated with Yb<sup>3+</sup> and Er<sup>3+</sup> ions**  
JOSEPH L., ERDEM M., BRYAN S., BALDASSARE D. B.  
American Physical Society New England Section Spring 2015 Meeting, 24 - 25 Nisan 2015
- **Upconversion White Blue and Red emission from Yb<sup>3+</sup> Er<sup>3+</sup> Tm<sup>3+</sup> Y<sub>2</sub>Si<sub>2</sub>O<sub>5</sub> nanocrystalline powders**  
OLGUN E., ERDEM M., EKMEKÇİ M. K. , ERYÜREK G., BALDASSARE D. B.  
American Physical Society New England Section Spring 2015 Meeting, 24 - 25 Nisan 2015
- **Investigations of Er and Yb Doped Y<sub>2</sub>O<sub>3</sub> Nano powders**  
GAOZAN D., ERDEM M., XUESHENG C., BALDASSARE D. B.  
American Physical Society New England Section Spring 2015, 24 - 25 Nisan 2015
- **White wide band emission from Yb<sup>3+</sup> Y<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> nanoparticles under IR excitation**  
BRYAN S., ERDEM M., GHOZAN D., ERYÜREK G., BALDASSARE D. B.  
American Physical Society New England Section Spring 2015 Meeting, 24 - 25 Nisan 2015
- **Unexpected Broadband Visible Emission from Sol Gel Derived Yttrium Silicate Nanopowders under 803.5 nm Laser Excitation**  
ERDEM M., ERYÜREK G., DİBARTOLO B.  
American Physical Society New England Section Fall 2014 Regional Meeting at the Wentworth Institute of Technology, 2 - 08 Ekim 2014
- **Structural And Luminescence Properties Of CdNb<sub>2</sub>O<sub>6</sub> Er<sup>3+</sup>**  
ERDEM M., EKMEKÇİ M. K. , GHAFOURI S., MERGEN A., ERYÜREK G.  
Nato Advanced Study Institute On Nano-Structures For Optics And Photonics, 4 Temmuz - 19 Nisan 2013
- **Properties of Erbium doped Cadmium Niobate Powders**  
ERYÜREK G., ERDEM M., EKMEKÇİ M. K. , MERGEN A.  
Complex Luminescence Phenomena in Inorganic Materials, Erice, Sicily, Italy, Sicilya, Italy, 30 - 15 Ağustos 2014
- **Effect of Nd<sup>3+</sup> ions on the Crystallite Size Distribution of ZnSe Quantum Dots in SiO<sub>2</sub> Glasses**  
THAMI E., KAYGUSUZ H., ERDEM M., ERYÜREK G.  
2013 MRS Fall Meeting & Exhibit, 1 - 06 Aralık 2013
- **Micro Structure and Luminescence properties of Er<sup>3+</sup> doped cdnb<sub>2</sub>O<sub>6</sub> Columbite Oxides Synthesised by Molten Salt Technique**  
SANAZ G., ERDEM M., EKMEKÇİ M. K. , MERGEN A., GÖKÇE H., ERYÜREK G.  
International Porous and Powder Materials, 3 - 06 Eylül 2013
- **Microstructure of SiO<sub>2</sub> Glasses doped with ZnSe quantum dots and Nd<sup>3+</sup> ions**  
THAMI E., KAYGUSUZ H., ERDEM M., ERYÜREK G.  
International Porous and Powder Materials, 3 - 06 Eylül 2013
- **Structural and Spectroscopic Properties of TeO<sub>2</sub> GeO<sub>2</sub> Doped with Er<sup>3+</sup> ions**  
PEPE Y., ERDEM M., ERYÜREK G.  
International Porous and Powder Materials, 3 - 06 Eylül 2013
- **Spectroscopic Properties of Nd<sup>3+</sup> CdNb<sub>2</sub>O<sub>6</sub> Phosphors**  
ERDEM M., EKMEKÇİ M. K. , MERGEN A., ERYÜREK G., BALDASSARE D. B.  
International Porous and Powder Materials, 3 - 06 Eylül 2013
- **Structural and spectroscopic properties of sol gelderived neodymium doped yttrium silicate**  
ERDEM M., TAV C., ERYÜREK G.

7. Türkiye Nanobilim ve Nanoteknoloji Konferansı, Turkey, 27 Haziran - 01 Temmuz 2011

- **Synthesis and characterization of nanocrystallineyttrium silicatematerials doped with neodymium**

ERDEM M., TAV C., ERYÜREK G.

6th Nanoscience and Nanotechnology Conference (NanoTR-VI), Turkey, 15 - 18 Haziran 2010

- **Rutil Mangan Kompozit Seramiğinin Elektriksel Karakterizasyonu ve Nem Algılama Özelliklerinin İncelenmesi**

DUMLUDAĞ F., ERDEM M., ŞAN O., EBEOĞLU M. A. , ÖZTÜRK Z. Z.

TFD-21.Fizik Kongresi, Turkey, 11 - 14 Eylül 2002

## Citations

Total Citations (WOS):165

h-index (WOS):8