

Fizik Bölümü
2019 Yılı SCI-E Yayınları
(Kaynak: Web of Science)

- [1] Ayse Nur Acar, Abdul Kadir Eksi, and Ahmet Ekicibil. Effect of pressure on the magnetic and structural properties of X2CrNiMo17-12-2 austenitic stainless steel prepared by powder metallurgy method. *JOURNAL OF MOLECULAR STRUCTURE*, 1198, Article-Number: UNSP 126876, DEC 15 2019.
- [2] S. Akca, Z. G. Portakal, T. Dogan, N. Kucuk, A. Canimoglu, M. Topaksu, and N. Can. Thermoluminescence properties of Tb doped Mg₂SiO₄ after beta irradiation. *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*, 458:12–20, NOV 1 2019.
- [3] Yucel Akdeniz, Ilhami Yegingil, and Zehra Yegingil. Effects of metal implants and a metal artifact reduction tool on calculation accuracy of AAA and Acuros XB algorithms in small fields. *MEDICAL PHYSICS*, 46(11):5326–5335, NOV 2019.
- [4] Yucel Akdeniz and Zehra Yegingil. Evaluation of an efficient calibration protocol for use in radiochromic film dosimetry for photon beams. *RADIATION PHYSICS AND CHEMISTRY*, 156:31–37, MAR 2019.
- [5] N. Aksaker, A. Akyuz, S. Avdan, and H. Avdan. Optical counterparts of an ultraluminous X-Ray Source X-1 in NGC 2500. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*, 488(4):5935–5940, OCT 2019.

- [6] M. A. Almessiere, Y. Slimani, S. Guener, M. Nawaz, A. Baykal, F. Aldakheel, S. Akhtar, I. Ercan, I. Belenli, and B. Ozcelik. Magnetic and structural characterization of Nb³⁺-substituted CoFe₂O₄ nanoparticles. *CERAMICS INTERNATIONAL*, 45(7, A):8222–8232, MAY 2019.
- [7] M. A. Almessiere, Y. Slimani, A. D. Korkmaz, N. Taskhandi, M. Sertkol, A. Baykal, Sagar E. Shirsath, I. Ercan, and B. Ozcelik. Sonochemical synthesis of Eu³⁺ substituted CoFe₂O₄ nanoparticles and their structural, optical and magnetic properties. *ULTRASONICS SONOCHEMISTRY*, 58, Article-Number: 104621, NOV 2019.
- [8] M. A. Almessiere, Y. Slimani, N. A. Tashkandi, A. Baykal, M. F. Sarac, A. V. Trukhanov, I. Ercan, I. Belenli, and B. Ozcelik. The effect of Nb substitution on magnetic properties of BaFe₁₂O₁₉ nanohexaferrites. *CERAMICS INTERNATIONAL*, 45(2, A):1691–1697, FEB 1 2019.
- [9] M. A. Almessiere, Y. Slimani, N. A. Tashkandi, A. Baykal, M. F. Sarac, A. V. Trukhanov, I. Ercan, I. Belenli, and B. Ozcelik. The effect of Nb substitution on magnetic properties of BaFe₁₂O₁₉ nanohexaferrites (vol 45, pg 1691, 2019). *CERAMICS INTERNATIONAL*, 45(5):6601, APR 1 2019.
- [10] Munirah A. Almessiere, Yassine Slimani, Murat Sertkol, Muhammed Nawaz, Ali Sadaqat, Abdulhadi Baykal, Ismail Ercan, and Bekir Ozcelik. Effect of Nb³⁺ Substitution on the Structural, Magnetic, and Optical Properties of Co_{0.5}Ni_{0.5}Fe₂O₄ Nanoparticles. *NANOMATERIALS*, 9(3), Article-Number: 430, MAR 13 2019.
- [11] V. Altunal, V. Guckan, A. Ozdemir, N. Can, and Z. Yegingil. Luminescence characteristics of Al- and Ca-doped BeO obtained via a sol-gel method. *JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS*, 131:230–242, AUG 2019.
- [12] V Altunal, V Guckan, A. Ozdemir, A. Sotelo, and Z. Yegingil. Effect of sintering temperature on dosimetric properties of BeO ceramic pellets synthesized using precipitation method. *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*, 441:46–55, FEB 15 2019.
- [13] Ayhan Atiz, Ismail Bozkurt, and Mehmet Karakilcik. Performance investigation of salt gradient cylindrical solar pond integrated and non-integrated with evacuated tube solar collectors. *INTERNATIONAL*

JOURNAL OF ENERGY RESEARCH, 43(12, SI):6243–6255, OCT 10 2019. 14th International Conference on Energy Storage (EnerSTOCK), Cukurova Univ, Adana, TURKEY, APR 25-28, 2018.

- [14] Ayhan Atiz, Hatice Karakilcik, Mustafa Erden, and Mehmet Karakilcik. Assessment of electricity and hydrogen production performance of evacuated tube solar collectors. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 44(27, SI):14137–14144, MAY 24 2019. 14th International Conference on Energy Storage (EnerSTOCK), Cukurova Univ, Adana, TURKEY, APR 25-28, 2018.
- [15] Ayhan Atiz, Hatice Karakilcik, Mustafa Erden, and Mehmet Karakilcik. Investigation energy, exergy and electricity production performance of an integrated system based on a low-temperature geothermal resource and solar energy. *ENERGY CONVERSION AND MANAGEMENT*, 195:798–809, SEP 1 2019.
- [16] Senay Avdan, Aysun Akyuz, Alexander Vinokurov, Nazim Aksaker, Hasan Avdan, Sergei Fabrika, Azamat Valeev, Inci Akkaya-Oralhan, and Solen Balman. Optical Counterparts of ULXs and Their Host Environments in NGC 4490/4485. *ASTROPHYSICAL JOURNAL*, 875(1), Article-Number: 68, APR 10 2019.
- [17] Mehmet Bagmanci, Muharrem Karaaslan, Emin Unal, Meliksah Ozakturk, Oguzhan Akgol, Faruk Karadag, Avanish Bhadauria, and Mehmet Bakir. Wide band fractal-based perfect energy absorber and power harvester. *INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING*, 29(7), Article-Number: e21597, JUL 2019.
- [18] Mehmet Bakir, Sekip Dalgac, Muharrem Karaaslan, Faruk Karadag, Oguzhan Akgol, Emin Una, Tolga Depci, and Cumali Sabah. A Comprehensive Study on Fuel Adulteration Sensing by Using Triple Ring Resonator Type Metamaterial. *JOURNAL OF THE ELECTRO-CHEMICAL SOCIETY*, 166(12):B1044–B1052, AUG 2 2019.
- [19] Mehmet BaKir, Sekip Dalgac, Emin Unal, Faruk Karadag, Mustafa Demirci, Ahmet Sertol Koksall, Oguzhan Akgol, and Muharrem Karaaslan. High Sensitive Metamaterial Sensor for Water Treatment Centres. *WATER AIR AND SOIL POLLUTION*, 230(12), Article-Number: 304, DEC 2019.

- [20] Mehmet Bakir, Muharrem Karaaslan, Faruk Karadag, Sekip Dalgac, Emin Unal, and Oguzhan Akgol. Metamaterial Sensor for Transformer Oil, and Microfluidics. *APPLIED COMPUTATIONAL ELECTRO-MAGNETICS SOCIETY JOURNAL*, 34(5):799–806, MAY 2019.
- [21] Berna Bulbul, Seda Beyaz, Mustafa Akyol, and Ahmet Ekicibil. Polyethylene Glycol Modified ErVO₄ Nanocrystals: Magnetic and Optical Properties. *JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY*, 19(9):5644–5649, SEP 2019.
- [22] K. Bulcar, N. Kucuk, M. Topaksu, and N. Can. Thermoluminescence spectra of Tm doped ZnB₂O₄ phosphor prepared via a wet-chemical synthesis. *APPLIED RADIATION AND ISOTOPES*, 147:177–181, MAY 2019.
- [23] Selda Kilic Cetin, Gonul Akca, and Ahmet Ekicibil. Impact of small Er rare earth element substitution on magnetocaloric properties of (La_{0.9}Er_{0.1})(_{0.6})PB_{0.33}MnO₃ perovskite. *JOURNAL OF MOLECULAR STRUCTURE*, 1196:658–661, NOV 15 2019.
- [24] T. Chtouki, S. Taboukhat, H. Kavak, A. Zawadzka, H. Erguig, B. Elidrissi, and B. Sahraoui. Characterization and third harmonic generation calculations of undoped and doped spin-coated multilayered CuO thin films. *JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS*, 124:60–66, JAN 2019.
- [25] Oguz Derin, Muharrem Karaaslan, Emin Unal, Faruk Karadag, Olcay Altintas, and Oguzhan Akgol. Exhibition of polarization conversions with asymmetric transmission theory, natural like chiral, artificial chiral nihility and retrieval studies for K- and C-band radar applications. *BULLETIN OF MATERIALS SCIENCE*, 42(4), Article-Number: UNSP 191, AUG 2019.
- [26] T. Dogan, S. Akca, M. Yuksel, N. Kucuk, M. Ayvacikli, Y. Karabulut, A. Canimoglu, M. Topaksu, and N. Can. Comparative studies on thermoluminescence characteristics of non-doped Mg₂SiO₄ prepared via a solid-state reaction technique and wet-chemical method: An unusual heating rate dependence. *JOURNAL OF ALLOYS AND COMPOUNDS*, 795:261–268, JUL 30 2019.
- [27] T. Dogan, L. Tormo, S. Akca, N. Kucuk, J. Garcia Guinea, Y. Karabulut, M. Ayvacikli, M. Oglakci, M. Topaksu, and N. Can. Cathodolu-

minescence and thermoluminescence of $\text{ZnB}_2\text{O}_4:\text{Eu}^{3+}$ phosphors prepared via wet-chemical synthesis. *CERAMICS INTERNATIONAL*, 45(4):4918–4925, MAR 2019.

- [28] I Ergin, B. Ozcelik, M. A. Madre, and A. Sotelo. Effect of Cesium Substitution on the Superconducting Properties of Bi-2212 Samples Prepared Via Solid-State Reaction and Laser Floating Zone Technique. *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*, 32(11):3439–3448, NOV 2019.
- [29] O. Erken, O. M. Ozkendir, M. Gunes, E. Harputlu, C. Ulutas, and C. Gumus. A study of the electronic and physical properties of SnO_2 thin films as a function of substrate temperature. *CERAMICS INTERNATIONAL*, 45(15):19086–19092, OCT 15 2019.
- [30] F. Gezer, S. Turhan, A. Kurnaz, and Y. Ufuktepe. Radiometric characterization of zeolite minerals used in many industries and assessment of radiological risks. *APPLIED RADIATION AND ISOTOPES*, 152:57–63, OCT 2019.
- [31] V. Guckan, A. Ozdemir, V. Altunal, I. Yegingil, and Z. Yegingil. Studies of blue light induced phototransferred thermoluminescence in $\text{CaSO}_4:\text{Mg}$. *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*, 448:31–38, JUN 1 2019.
- [32] M. Gursul, B. Ozcelik, M. Liu, A. I. Boltalin, and I. V. Morozov. Structural and physical properties of Na-substituted $\text{K}_{0.8}\text{Fe}_{2-y}\text{Se}_2$ single crystal. *JOURNAL OF ALLOYS AND COMPOUNDS*, 777:1074–1079, MAR 10 2019.
- [33] Yusuf Ziya Halefoglu, M. Oglakci, M. Yuksel, A. Canimoglu, M. Topaksu, and N. Can. Structural and spectroscopic properties of LaAlBO_3 doped with Eu^{3+} ions. *APPLIED RADIATION AND ISOTOPES*, 154, Article-Number: UNSP 108876, DEC 2019.
- [34] E. Hannachi, Y. Slimani, A. Ekicibil, A. Manikandan, and F. Ben Azouz. Excess conductivity and AC susceptibility studies of Y-123 superconductor added with TiO_2 nano-wires. *MATERIALS CHEMISTRY AND PHYSICS*, 235, Article-Number: UNSP 121721, SEP 1 2019.
- [35] E. Hannachi, Y. Slimani, A. Ekicibil, A. Manikandan, and F. Ben Azouz. Magneto-resistivity and magnetization investigations of YBCO

- superconductor added by nano-wires and nano-particles of titanium oxide. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 30(9):8805–8813, MAY 2019.
- [36] S. Iflazoglu, A. Yilmaz, V. E. Kafadar, M. Topaksu, and A. N. Yazici. Neutron plus Gamma response of undoped and Dy doped MgB4O7 thermoluminescence dosimeter. *APPLIED RADIATION AND ISOTOPES*, 147:91–98, MAY 2019.
- [37] Hatice Karakilcik, Mustafa Erden, and Mehmet Karakilcik. Investigation of hydrogen production performance of chlor-alkali cell integrated into a power generation system based on geothermal resources. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 44(27, SI):14145–14150, MAY 24 2019. 14th International Conference on Energy Storage (EnerSTOCK), Cukurova Univ, Adana, TURKEY, APR 25-28, 2018.
- [38] Dogan Kaya, Yitao Wang, Mustafa Akyol, Faruk Karadag, Ahmet Ekicibil, and Quanmin Guo. Self-Defined Transition State in Hybrid C-70-Au Clusters Created by the Scanning Tunneling Microscope Tip. *JOURNAL OF PHYSICAL CHEMISTRY C*, 123(45):27945–27950, NOV 14 2019.
- [39] Nur Kicir, Tunc Tuken, Mustafa Akyol, Ahmet Ekicibil, and Yuksel Ufuktepe. Structural, electronic and magnetic properties of Mn doped ZnO nanoplates synthesized by electrodeposition method. *JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA*, 237, Article-Number: UNSP 146892, DEC 2019.
- [40] F. Karacora Nane and B. Ozcelik. Structural, superconducting and vortex pinning properties of Nb-substituted Bi-2212 ceramic superconductor. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 30(13):12783–12789, JUL 2019.
- [41] Mehmet Oglakci, Sibel Akca, Yusuf Ziya Halefoglul, Tamer Dogan, Mehmet Ayvacikli, Yuksel Karabulut, Mustafa Topaksu, and Nurdogan Can. Characterization and thermoluminescence behavior of beta irradiated NaBaBO3 phosphor synthesized by combustion method. *CERAMICS INTERNATIONAL*, 45(6):7011–7017, APR 15 2019.
- [42] B. Ozcelik, G. Cetin, M. Gursul, M. A. Madre, A. Sotelo, S. Adachi, and Y. Takano. Low temperature thermoelectric properties of K-substituted Bi2Sr2Co2Oy ceramics prepared via laser floating zone

technique. *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*, 39(10):3082–3087, AUG 2019.

- [43] B. Ozcelik, I Ergin, T. Depci, H. Yavuz, I. M. A. Madre, and A. Sotelo. Effect of Carbon Nanotube Addition on the Superconducting Properties of BSCCO Samples Textured via Laser Floating Zone Technique. *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*, 32(10, SI):3135–3141, OCT 2019.
- [44] A. Ozdemir, G. S. Polymeris, E. Sahiner, E. Aslar, V. Guckan, V. Altunal, N. Meric, and Z. Yegingil. Evaluation of thermoluminescence trapping parameters in Li₂B₄O₇ co-doped with Ag⁺ and Gd³⁺ using various experimental techniques. *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*, 461:70–76, DEC 15 2019.
- [45] Tahsin Ozer and Suleyman Cabuk. Investigation of structural and mechanical properties of rutile SnO₂. *MATERIALS RESEARCH EXPRESS*, 6(8), Article-Number: 085069, AUG 2019.
- [46] A. Sadaqat, M. Almessiere, Y. Slimani, S. Guner, M. Sertkol, H. Albetran, A. Baykal, Sagar E. Shirsath, B. Ozcelik, and I Ercan. Structural, optical and magnetic properties of Tb³⁺ substituted Co nanoferrites prepared via sonochemical approach. *CERAMICS INTERNATIONAL*, 45(17, B):22538–22546, DEC 1 2019.
- [47] Y. Slimani, M. A. Almessiere, M. Sertkol, Sagar E. Shirsath, A. Baykal, M. Nawaz, S. Akhtar, B. Ozcelik, and I. Ercan. Structural, magnetic, optical properties and cation distribution of nanosized Ni_{0.3}Cu_{0.3}Zn_{0.4}Tm_xFe_{2-x}O₄ (0.0 ≤ x ≤ 0.10) spinel ferrites synthesized by ultrasound irradiation. *ULTRASONICS SONOCHEMISTRY*, 57:203–211, OCT 2019.
- [48] Y. Slimani, E. Hannachi, A. Ekicibil, M. A. Almessiere, and F. Ben Azouz. Investigation of the impact of nano-sized wires and particles TiO₂ on Y-123 superconductor performance. *JOURNAL OF ALLOYS AND COMPOUNDS*, 781:664–673, APR 15 2019.
- [49] Ebru Senadim Tuzemen, Merhan Kilic, Birsen Kesik Zeyrek, Ahmet Emre Kasapoglu, Emre Gur, Behcet Ozgur Alaydin, Mehmet Esen, and Ramazan Esen. Formation of carbon nanowalls by pulsed filtered

cathodic vacuum arc deposition. *DIAMOND AND RELATED MATERIALS*, 93:200–207, MAR 2019.

- [50] Mehmet Yuksel, Tamer Dogan, Ziyafer Gizem Portakal, and Mustafa Topaksu. Synthesis and luminescence characterization of microcrystalline Nd-doped calcium sulfate. *APPLIED RADIATION AND ISOTOPES*, 148:197–203, JUN 2019.