

Fizik Bölümü
2021 Yılı SCI-E Yayınları
(Kaynak: Web of Science)

- [1] Ayse Nur Acar, Rasiha Nefise Mutlu, Dogan Kaya, Abdul Kadir Eksi, and Ahmet Ekicibil. Fe addition influence on the mechanical and thermophysical behaviours of PM Alumix 431 alloy. *JOURNAL OF MOLECULAR STRUCTURE*, 1232, Article-Number = 130031, MAY 15 2021.
- [2] Sibel Akca-Ozalp, Z. Gizem Portakal-Ucar, Mehmet Oglakci, Mehmet Yuksel, Y. Ziya Halefoglu, and Mustafa Topaksu. Characterization of thermoluminescence kinetic parameters of dolomite after exposure to beta-radiation dose. *JOURNAL OF LUMINESCENCE*, 240, Article-Number = 118427, DEC 2021.
- [3] Y. Alajlani, M. Oglakci, U. H. Kaynar, M. Ayvacikli, Z. G. Portakal-Ucar, M. Topaksu, and N. Can. Thermoluminescence study and evaluation of trapping parameters of samarium doped barium silicate phosphor. *JOURNAL OF ASIAN CERAMIC SOCIETIES*, 9(1):268–280, JAN 2 2021.
- [4] V Altunal, V Guckan, A. Ozdemir, A. Ekicibil, F. Karadag, I Yeginil, Y. Zydhachevskyy, and Z. Yeginil. A systematic study on luminescence characterization of lanthanide-doped BeO ceramic dosimeters. *JOURNAL OF ALLOYS AND COMPOUNDS*, 876, Article-Number = 160105, SEP 25 2021.
- [5] Bandar Alzahrani, Gonul Akca, Sobhi Hcini, and Mohmed Lamjed Bouazizi. Microstructural Analysis, Magnetic Properties, and Critical Behavior of La(0.7)Ba(0.15)Sr(0.15)CoO(3)Perovskite. *JOURNAL OF*

SUPERCONDUCTIVITY AND NOVEL MAGNETISM, 34(2):507–518, FEB 2021.

- [6] Ayhan Atiz, Hatice Karakilcik, Mustafa Erden, and Mehmet Karakilcik. Assessment of power and hydrogen production performance of an integrated system based on middle-grade geothermal source and solar energy. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 46(1):272–288, JAN 2021.
- [7] Ayhan Atiz, Hatice Karakilcik, Mustafa Erden, and Mehmet Karakilcik. The integration of parabolic trough solar collectors and evacuated tube collectors to geothermal resource for electricity and hydrogen production. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 46(57, SI):29027–29037, AUG 18 2021.
- [8] Ali Osman Ayas, Ekin Secilmis, and Ahmet Ekicibil. New application area for magnetocaloric materials: Hyperthermia method. *JOURNAL OF MOLECULAR STRUCTURE*, 1231, Article-Number = 130010, MAY 5 2021.
- [9] K. Bulcar, M. Oglakci, U. H. Kaynar, M. Ayvacikli, G. Souadi, M. Topaksu, and N. Can. Thermoluminescence glow curve analysis and evaluation of trapping parameters of dysprosium doped lanthanum calcium borate La₂CaB₁₀O₁₉. *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*, 489:58–68, FEB 15 2021.
- [10] Suleyman Cabuk. Magnetic, electronic and mechanical properties of SeXO₃ (X = Mn, Ni) with the LSDA plus U framework. *JOURNAL OF ALLOYS AND COMPOUNDS*, 850, Article-Number = 156674, JAN 5 2021.
- [11] Ozlem Celikel and Hamide Kavak. Catalyst-free carbon nanowalls grown on glass and silicon substrates by ECR-MPCVD method. *DIAMOND AND RELATED MATERIALS*, 120, Article-Number = 108610, DEC 2021.
- [12] S. K. Cetin, K. Snini, M. Ellouze, A. Ekicibil, and E. K. Hlil. The effect of Ni-substitution with Mn on electrical, magnetic and magnetocaloric properties in Pr_{0.67}Ba_{0.22}Sr_{0.11}Mn_{1-x}Ni_xO₃ manganites. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 32(11):14301–14309, JUN 2021.

- [13] Selda Kilic Cetin, Gonul Akca, Mehmet Selim Aslan, and Ahmet Ekicibil. Role of nickel doping on magnetocaloric properties of La_{0.7}Sr_{0.3}Mn_{1-x}Ni_xO₃ manganites. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 32(8):10458–10472, APR 2021.
- [14] Sekip Dalgac, Faruk Karadag, Mehmet Bakir, Oguzhan Akgol, Emin Unal, and Muharrem Karaaslan. Chiral metamaterial-based sensor applications to determine quality of car lubrication oil. *TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL*, 43(7):1640–1649, APR 2021.
- [15] Nazan Demiryurek, Burak Kivrak, Mustafa Akyol, and Ahmet Ekicibil. Strong magnetic coupling in MnO delta nanoparticles by doping Boron. *JOURNAL OF MOLECULAR STRUCTURE*, 1224, Article-Number = 129056, JAN 15 2021.
- [16] T. Depci, M. Oglakci, S. Sezer, A. Yucel, T. Dogan, G. Souadi, M. Topaksu, and N. Can. Characterization of thermoluminescence kinetic parameters of beta irradiated B doped Ca-5(PO₄)₃OH powder obtained from eggshell. *APPLIED RADIATION AND ISOTOPES*, 173, Article-Number = 109738, JUL 2021.
- [17] Ismail Duran, Hasan Sozbilir, Semih Eski, Mustafa Softa, Huseyin Uytun, Mehmet Yuksel, and Mustafa Topaksu. Paleoseismic history of the Manisa fault zone, Western Anatolia. *TURKISH JOURNAL OF EARTH SCIENCES*, 30(1, SI):806–832, 2021.
- [18] M. Ozdogan Ela, A. Akyuz, N. Aksaker, S. Avdan, I. Akkaya Oralhan, A. Vinokurov, S. Allak, Y. Solovyeva, K. Atapin, and D. Bizyaev. Optical counterparts of ULXs in two dwarf galaxies: NGC 4861 and NGC 4449. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*, 505(1):771–782, JUL 2021.
- [19] N. H. Erdogan, T. Kutlu, N. Sedefoglu, and H. Kavak. Effect of Na doping on microstructures, optical and electrical properties of ZnO thin films grown by sol-gel method. *JOURNAL OF ALLOYS AND COMPOUNDS*, 881, Article-Number = 160554, NOV 10 2021.
- [20] Derya Farisogullari, Michal Babij, Faruk Karadag, Ahmet Ekicibil, and Yoshihiko Takano. The effect of the Ag addition on FeSe superconducting wire by the ex-situ PIT method. *JOURNAL OF MATERIALS*

SCIENCE-MATERIALS IN ELECTRONICS, 32(3):2887–2894, FEB 2021.

- [21] Ferhat Gezer, Seref Turhan, and Yuksel Ufuktepe. Radiometric analysis of micas used in many industries and evaluation of radiological hazards. *RADIOCHIMICA ACTA*, 109(8):643–651, AUG 2021.
- [22] V Guckan, V Altunal, A. Ozdemir, K. Kurt, and Z. Yegingil. Cu, Li and K activated MgO: A metal oxide thermoluminescent synthesized using solution combustion technique for dosimetry. *JOURNAL OF LUMINESCENCE*, 230, Article-Number = 117751, FEB 2021.
- [23] V Guckan, V Altunal, A. Ozdemir, K. Kurt, and Z. Yegingil. Use of infrared light-emitting diodes to determine dosimetric characteristics of MgO:Tb,Gd,Li via the optically stimulated luminescence technique. *JOURNAL OF LUMINESCENCE*, 235, Article-Number = 118005, JUL 2021.
- [24] V Guckan, S. W. Bokhari, V Altunal, A. Ozdemir, W. Gao, and Z. Yegingil. Luminescence of Ce³⁺ and Li⁺ co-doped MgO synthesized using solid-state reaction method. *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*, 503:53–61, SEP 15 2021.
- [25] Semiramis Gulkesen, Kutluhan Utku Tumen, Mustafa Akyol, and Ahmet Ekicibil. Room-temperature magnetocaloric effect in Fe-substituted CoCr₂O₄ spinels. *APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING*, 127(3), Article-Number = 211, FEB 26 2021.
- [26] M. Gunes, O. Donmez, C. Gumus, A. Erol, H. Alghamdi, S. Alhassan, A. Alhassni, S. Alotaibi, M. Schmidbauer, H. V. A. Galetti, and M. Henini. The effect of strain and spatial Bi distribution on the band alignment of GaAsBi single quantum well structure. *PHYSICA B-CONDENSED MATTER*, 602, Article-Number = 412487, FEB 1 2021.
- [27] M. Gursul, I Ergin, C. Ozcelik, T. Depci, B. Ozcelik, M. A. Madre, and A. Sotelo. Significant enhancement of superconducting performances of Bi-2212 fibers through combined sodium substitution and LFZ process. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 32(13):17686–17699, JUL 2021.

- [28] E. Hannachi, Y. Slimani, Ahmed T. Okasha, Ghulam Yasin, Munawar Iqbal, M. Shariq, Dogan Kaya, F. Ben Azzouz, and Ahmet Ekicibil. YBCO superconductor added with one-dimensional TiO₂ nanostructures: Frequency dependencies of AC susceptibility, FC-ZFC magnetization, and pseudo-gap studies. *JOURNAL OF ALLOYS AND COMPOUNDS*, 883, Article-Number = 160887, NOV 25 2021.
- [29] Emine Burcin Ispir, Neslihan Sarigul, and Zehra Yegingil. NanoDot(TM) OSLDs in verifying radiotherapy dose calculations in the presence of metal implants: A Monte Carlo assisted research. *RADIATION PHYSICS AND CHEMISTRY*, 187, Article-Number = 109577, OCT 2021.
- [30] Dogan Kaya, Idris Adanur, Mustafa Akyol, Faruk Karadag, and Ahmet Ekicibil. Detailed investigation of structural and magnetic properties of multiphase binary Pd-Co alloys prepared by modified polyol process. *JOURNAL OF ALLOYS AND COMPOUNDS*, 876, Article-Number = 160157, SEP 25 2021.
- [31] Dogan Kaya, Idris Adanur, Mustafa Akyol, Faruk Karadag, and Ahmet Ekicibil. Synthesis of monodisperse CoPt nanoparticles: Structural and magnetic properties. *JOURNAL OF MOLECULAR STRUCTURE*, 1224, Article-Number = 128999, JAN 15 2021.
- [32] Dogan Kaya, Mustafa Akyol, Yitao Wang, Quanmin Guo, Faruk Karadag, and Ahmet Ekicibil. Investigation of Magnetic Anisotropy in the Ni-Ge and Ni(NiO)-Ge Thin Films. *JOURNAL OF MOLECULAR STRUCTURE*, 1230, Article-Number = 129662, APR 15 2021.
- [33] Dogan Kaya, Hafize Seda Aydinoglu, Ebru Senadim Tuzemen, and Ahmet Ekicibil. Investigation of optical, electronic, and magnetic properties of p-type NiO thin film on different substrates. *THIN SOLID FILMS*, 732, Article-Number = 138800, AUG 31 2021.
- [34] N. Khaidukov, V Makhov, V Guckan, V Altunal, A. Ozdemir, K. Kurt, W. Abusaid, and Z. Yegingil. Thermoluminescence dosimetry properties of Tm³⁺ doped fluoroelpasolite Cs₂NaYF₆ crystals synthesized under hydrothermal conditions. *JOURNAL OF LUMINESCENCE*, 239, Article-Number = 118391, NOV 2021.
- [35] Sifa Kir, Ilyas Dehri, Yunus Onal, and Ramazan Esen. Graphene quantum dots prepared from dried lemon leaves and microcrystalline mosaic structure. *LUMINESCENCE*, 36(6):1365–1376, SEP 2021.

- [36] Burak Kivrak, Semiramis Gulkesen, Ali Osman Ayas, Mustafa Akyol, and Ahmet Ekicibil. Effect of Ho substitution on structural, magnetic and magnetocaloric properties of Co(CrFe)O-4. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 32(12):15740–15753, JUN 2021.
- [37] M. Oglakci, M. Topaksu, G. Souadi, and N. Can. Thermoluminescence study and trapping parameters of beta irradiated NaBaBO₃:Gd³⁺ phosphor. *JOURNAL OF LUMINESCENCE*, 238, Article-Number = 118245, OCT 2021.
- [38] C. Ozcelik, T. Depci, M. Gursul, G. Cetin, B. Ozcelik, M. A. Torres, M. A. Madre, and A. Sotelo. Tuning thermoelectric properties of Bi₂Ca₂Co₂O_y through K doping and laser floating zone processing. *SOLID STATE SCIENCES*, 120, Article-Number = 106732, OCT 2021.
- [39] S. Ozcelik, B. Yalcin, L. Arda, H. Santos, R. Saez-Puche, L. A. Angurel, G. F. de la Fuente, and B. Ozcelik. Structure, magnetic, photocatalytic and blood compatibility studies of nickel nanoferrites prepared by laser ablation technique in distilled water. *JOURNAL OF ALLOYS AND COMPOUNDS*, 854, Article-Number = 157279, FEB 15 2021.
- [40] Teoman Ozdal, Merhan Kilic, and Hamide Kavak. Impact of improvements in ZnO thin film solution process on ZnO/Cu₂O solar cell performance. *SUPERLATTICES AND MICROSTRUCTURES*, 156, Article-Number = 106948, AUG 2021.
- [41] T. Ozdar, T. Chtouki, H. Kavak, V Figa, D. Guichaoua, H. Erguig, J. Mysliwiec, and B. Sahraoui. Effect of Annealing Temperature on Morphology and Optoelectronics Properties of Spin-Coated CZTS Thin Films. *JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS*, 31(1):89–99, JAN 2021.
- [42] A. Ozdemir, V Altunal, V Guckan, K. Kurt, and Z. Yeginil. Luminescence characteristics of newly-developed MgB₄O₇:Ce³⁺, Na⁺ phosphor as an OSL dosimeter. *JOURNAL OF ALLOYS AND COMPOUNDS*, 865, Article-Number = 158498, JUN 5 2021.
- [43] A. Ozdemir, V. Guckan, V. Altunal, K. Kurt, and Z. Yeginil. Thermo-luminescence in MgB₄O₇:Pr,Dy dosimetry powder synthesized by solution combustion synthesis method. *JOURNAL OF LUMINESCENCE*, 230, Article-Number = 117761, FEB 2021.

- [44] Igor Perlikowski, Eunika Zielony, Teoman Ozdal, and Hamide Kavak. Structural Properties and Electrical Characteristics of p-n Junctions Based on Kesterite Cu₂ZnSnS₄ Layers for Thin-Film Solar Cells. *ENERGIES*, 14(16), Article-Number = 5182, AUG 2021.
- [45] A. Poro, F. Davoudi, F. Alicavus, S. Khakpash, E. M. Esmer, O. Bas-turk, E. Lashgari, J. Rahimi, Y. Aladag, N. Aksaker, A. Boudesh, M. Ghanbarzadehchaleshtori, A. Akyuz, S. Modarres, A. Sojoudizadeh, M. Tekes, and A. Solmaz. The First Light Curve Solutions and Period Study of BQ Ari. *ASTRONOMY LETTERS-A JOURNAL OF ASTRONOMY AND SPACE ASTROPHYSICS*, 47(6):402–410, JUN 2021.
- [46] Z. G. Portakal-Ucar, T. Dogan, S. Akca, U. H. Kaynar, and M. Topaksu. Effect of Sm(3+)and Mn²⁺ incorporation on the structure and luminescence characteristics of Zn₂SiO₄ phosphor. *RADIATION PHYSICS AND CHEMISTRY*, 181, Article-Number = 109329, APR 2021.
- [47] Z. G. Portakal-Ucar, M. Oglakci, M. Yuksel, M. Ayvacikli, and N. Can. Structural and luminescence characterization of Ce³⁺ and Mn²⁺ co-activated zinc silicate nanocrystal obtained by gel combustion synthesis. *MATERIALS RESEARCH BULLETIN*, 133, Article-Number = 111025, JAN 2021.
- [48] Yassine Slimani, Sagar E. Shirsath, Essia Hannachi, Munirah A. Almessiere, Moustafa M. Aouna, Nouf E. Aldossary, Ghulam Yasin, Abdulhadi Baykal, Bekir Ozcelik, and Ismail Ercan. (BaTiO₃)_(1-x) + (Co_{0.5}Ni_{0.5}Nb_{0.06}Fe_{1.94}O₄)_(x) nanocomposites: Structure, morphology, magnetic and dielectric properties. *JOURNAL OF THE AMERICAN CERAMIC SOCIETY*, 104(11):5648–5658, NOV 2021.
- [49] K. Snini, R. Abidi, A. Ekicibil, M. Ellouze, and L. El Mir. Structural, electrical, dielectric properties and complex impedance analysis of Pr(0.6)Sr(0.4)Mn(1-x)A(x)O₍₃₎ perovskites (A = Cr and Ti). *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 32(17):22330–22341, SEP 2021.
- [50] K. Snini, M. Akyol, M. Ellouze, L. El Mir, F. Ghribi, and A. Ekicibil. Synthesis, structural characterization, electric and dielectric properties of Pr_{0.67}Ba_{0.22}Sr_{0.11}Mn_{0.925}Ni_{0.075}O₃ perovskite for thermal energy storage. *JOURNAL OF ALLOYS AND COMPOUNDS*, 874, Article-Number = 159866, SEP 5 2021.

- [51] Kutluhan Utku Tumen, Burak Kivrak, Fatih Ozkan Alkurt, Mustafa Akyol, Muharrem Karaaslan, and Ahmet Ekicibil. Synthesis and characterization of nanoparticles reinforced epoxy based advanced radar absorbing composites. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 32(23):28007–28018, DEC 2021.
- [52] B. Yalcin, S. Ozcelik, K. Icin, K. Senturk, B. Ozcelik, and L. Arda. Structural, optical, magnetic, photocatalytic activity and related biological effects of CoFe₂O₄ ferrite nanoparticles. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 32(10, SI):13068–13080, MAY 2021.
- [53] H. Yazan, Z. G. Portakal-Ucar, S. Akca, M. Topaksu, P. D. Townsend, and N. Can. Thermoluminescence of Ce and Nd co-doped CaF₂ phosphors after beta irradiation. *JOURNAL OF LUMINESCENCE*, 234, Article-Number = 117949, JUN 2021.