

Fizik Bölümü
2022 Yılı SCI-E Yayınları
(Kaynak: Web of Science)

- [1] Ayse Nur Acar, Dogan Kaya, Abdul Kadir Eksi, and Ahmet Ekicibil. Pressure effect on the structural, magnetic and thermophysical properties of x12cr13 martensitic stainless steel prepared by powder metallurgy method. *MATERIALS TODAY COMMUNICATIONS*, 33, DEC 2022.
- [2] Idris Adanur, Tolga Karazehir, Basak Dogru Mert, Mustafa Akyol, and Ahmet Ekicibil. Effect of gd-doping in ni/nio core/shell magnetic nanoparticles (mnps) on structural, magnetic, and hydrogen evolution reaction. *JOURNAL OF CHEMICAL PHYSICS*, 156(6), FEB 14 2022.
- [3] Gonul Akca. Enhancement of magnetic entropy change in la_{0.57}nd_{0.1}sr_{0.33}-xcaxmno₃ manganites. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 33(35):26495–26512, DEC 2022.
- [4] S. Allak, A. Akyuz, I. Akkaya Oralhan, S. Avdan, N. Aksaker, A. Vinokurov, F. Soydugan, E. Sonbas, and K. S. Dhuga. The transient ultraluminous x-ray source, ulx-4, in m51. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*, 510(3):4355–4369, MAR 2022.
- [5] S. Allak, A. Akyuz, E. Sonbas, and K. S. Dhuga. Optical counterparts of ulxs in ngc 1672. *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*, 515(3):3632–3643, AUG 8 2022.
- [6] Muna Alqahtani, Filiz Ercan, Noha A. Saleh, M. H. A. Mhareb, Nidal Dwaikat, M. I. Sayyed, Fouzya Abokhamis, Amnah Abdulrazzaq, Bekir

Ozcelik, Ismail Ercan, Tarek S. Kayed, and Taher Ghrib. Structural, magnetic and gamma-ray shielding features of zn doped mg₂fetio₆ double perovskite. *PHYSICA B-CONDENSED MATTER*, 640, SEP 1 2022.

- [7] V. Altunal, W. Abusaid, V. Guckan, A. Ozdemir, and Z. Yegingil. Luminescence characterization of ce and gd doped mgb₄o₇ phosphors. *JOURNAL OF LUMINESCENCE*, 246, JUN 2022.
- [8] V Altunal, V Guckan, A. Ozdemir, Y. Zydhachevskyy, Y. Lawrence, Y. Yu, and Z. Yegingil. Three newly developed beo-based osl dosimeters. *JOURNAL OF LUMINESCENCE*, 241, JAN 2022.
- [9] V. Altunal, M. Jain, S. Hayat, V. Guckan, and Z. Yegingil. Development of beo:na,yb,dy ceramics for optically stimulated luminescence dosimetry. *RADIATION MEASUREMENTS*, 158, NOV 2022.
- [10] V. Altunal, A. Mesto, V. Guckan, M. Kavgaci, A. Ozdemir, W. Abusaid, K. Kurt, and Z. Yegingil. Structural and thermoluminescence properties of borate mineral ulexite. *JOURNAL OF LUMINESCENCE*, 251, NOV 2022.
- [11] S. Atasoz, M. Topaksu, G. Souadi, and N. Can. Anomalous heating rate dependence and analyses of thermoluminescence glow curves in gd doped znb₂o₄ phosphors. *JOURNAL OF LUMINESCENCE*, 246, JUN 2022.
- [12] B. Atilla, I. Ergin, M. Gursul, B. Ozcelik, M. A. Madre, and A. Sotelo. Impact of silver addition on the superconducting performances of bi₂sr₂ca_{0.925}na_{0.075}cu₂oy:ag composite fibers. *JOURNAL OF THE EUROPEAN CERAMIC SOCIETY*, 42(14):6551–6556, NOV 2022.
- [13] Ayhan Atiz, Mustafa Erden, and Mehmet Karakilcik. Energy and exergy analyses and electricity generation of pv-t combined with a solar collector for varying mass flow rate and ambient temperature. *HEAT AND MASS TRANSFER*, 58(7):1263–1278, JUL 2022.
- [14] Ali Osman Ayas, Arda Kandemir, Selda Kilic Cetin, Gonul Akca, Mustafa Akyol, and Ahmet Ekicibil. Investigation of the effect of sintering temperature on structural, magnetic and magnetocaloric properties in prcamn₂o₆ double perovskite manganite system. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 33(10):7357–7370, APR 2022.

- [15] S. Balci, M. Topaksu, J. F. Benavente, J. Garcia-Guinea, and V Correcher. Preliminary study on the thermally stimulated luminescence characterization of uvc and beta irradiated tridymite. *APPLIED RADIATION AND ISOTOPES*, 186, AUG 2022.
- [16] K. Bulcar, M. Oglakci, J. Hakami, M. Topaksu, N. Can, and M. H. Alma. Kinetic parameters and anomalies in heating rate effects of the thermoluminescence from rock salt from tuzluca in turkey. *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*, 523:8–15, JUL 15 2022.
- [17] Esin Gulnaz Canli, Cebraeil Gumus, Mustafa Canli, and Hasan Basri Ilia. The effects of titanium nanoparticles on enzymatic and non-enzymatic biomarkers in female wistar rats. *DRUG AND CHEMICAL TOXICOLOGY*, 45(1):417–425, JAN 2 2022.
- [18] Huseyin C. Cekil and Metin Ozdemir. The behaviour of boron carbide under shock compression conditions: Md simulation results. *COMPUTATIONAL MATERIALS SCIENCE*, 201, JAN 2022.
- [19] Selda Kilic Cetin, Gonul Akca, Mehmet Selim Aslan, and Ahmet Ekiçibil. Large magnetocaloric effect in la-based manganite composites near room temperature. *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, 147(23):13073–13087, DEC 2022.
- [20] Selda Kilic Cetin, Gonul Akca, Dogan Kaya, Ali Osman Ayas, and Ahmet Ekiçibil. Synthesis and characterization of bifunctional ru doped la-based perovskites for magnetic refrigeration and energy storage systems. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 47(97):40999–41009, DEC 15 2022.
- [21] Arictan Tulga Coskun, Selda Kilic Cetin, and Ahmet Ekiçibil. The investigation of the effect of k doping on the structural, magnetic, and magnetocaloric properties of la_{1.4-x}k_xca_{1.6}mn₂o₇ (0.0 ≤ x ≤ 0.4) double perovskite manganite. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 33(14):10990–11001, MAY 2022.
- [22] Filiz Ercan, Nabilah Alamroo, Taher Ghrib, Tarek Kayed, Bekir Ozcelik, Ismail Ercan, Norah Alonizan, and Samar A. Abubshait. Structural, optical, and electrical properties of zn(1-x)mgo nano-compounds and zno/zn(1-x)mgo heterostructures. *MATERIALS CHEMISTRY AND PHYSICS*, 290, OCT 15 2022.

- [23] Fehime Hayal Gecit and Suleyman Cabuk. Structure and electronic properties of lnsc0(3) compounds: A gga plus u calculation. *COMPUTATIONAL MATERIALS SCIENCE*, 208, JUN 1 2022.
- [24] V Guckan, V Altunal, G. S. Polymeris, A. Ozdemir, Y. Zhydachevskyy, and Z. Yeginil. Tl and osl characteristics of the fluoroperovskite kmgf3:eu,yb, li for dosimetry applications. *JOURNAL OF LUMINESCENCE*, 251, NOV 2022.
- [25] V Guckan, D. Kaya, V Altunal, A. Ekicibil, F. Karadag, A. Ozdemir, and Z. Yeginil. Impact of li concentration in kmgf3:eu,yb fluoroperovskite on structure and luminescence properties. *JOURNAL OF ALLOYS AND COMPOUNDS*, 902, MAY 5 2022.
- [26] M. Gursul, C. Ozcelik, I Ergin, M. A. Madre, A. Sotelo, and B. Ozcelik. Role of y substitution for ca-site on magneto-resistivity properties of bi-2212 superconductor rods prepared by lfz. *MATERIALS CHEMISTRY AND PHYSICS*, 282, APR 15 2022.
- [27] C. Habiboglu, O. Erken, M. Gunes, O. Yilmaz, H. C. Cevlik, C. Ulutas, and C. Gumus. Effect of molar concentration on the structural, linear and nonlinear optical properties of cus (covellite) thin films. *SOLID STATE COMMUNICATIONS*, 352, SEP 1 2022.
- [28] J. Hakami, M. Oglakci, Z. G. Portakal-Ucar, M. Sonsuz, U. H. Kaynar, M. Ayvacikli, M. Topaksu, and N. Can. Samarium doped ca(3)y2b(4)o(12) phosphor prepared by combustion method: Anomalous heating rate effect, dosimetric features, and tl kinetic analyses. *JOURNAL OF LUMINESCENCE*, 251, NOV 2022.
- [29] J. Hakami, M. Sonsuz, U. H. Kaynar, M. Ayvacikli, M. Oglakci, M. Topaksu, and N. Can. Thermoluminescence characterization and kinetic parameters of dy3+ activated ca3y2b4o12. *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS*, 525:34–40, AUG 15 2022.
- [30] J. Hakami, M. Sonsuz, U. H. Kaynar, M. Ayvacikli, M. Oglakci, M. Yueksel, M. Topaksu, and N. Can. Thermoluminescence glow curve analysis of ca3y2b4o12 phosphor prepared using combustion method. *APPLIED RADIATION AND ISOTOPES*, 186, AUG 2022.

- [31] Kursat Icin, Sultan Ozturk, Damla Dilara Cakil, Sefa Emre Sunbul, Ibrahim Ergin, and Bekir Ozcelik. Investigation of nano-crystalline strontium hexaferrite magnet powder from mill scale waste by the mechanochemical synthesis: Effect of the annealing temperature. *MATERIALS CHEMISTRY AND PHYSICS*, 290, OCT 15 2022.
- [32] Ilknur Baldan Isik, Nalan Tekin, and Seda Gunesdogdu Sagdinc. The analyses of solvent effects on infrared spectra and thermodynamic parameters, hirshfeld surface, reduced density gradient and molecular docking of ketoprofen as a member of nonsteroidal anti-inflammatory drugs. *JOURNAL OF MOLECULAR STRUCTURE*, 1250(3), FEB 15 2022.
- [33] Ozgur Karsandik, Teoman Ozdal, and Hamide Kavak. Influence of thickness and annealing temperature on properties of solution processed bismuth sulfide thin films. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 33(22):18014–18027, AUG 2022.
- [34] Dogan Kaya, Mustafa Akyol, Ebru Senadim Tuzemen, and Ahmet Ekicibil. Magnetic and optical properties of zno/ni/zno multilayer film on si(100) and sapphire substrates. *OPTIK*, 266, SEP 2022.
- [35] Dogan Kaya, Hasan Huseyin Isik, Ilknur Baldan Isik, Idris Adanur, Yitao Wang, Mustafa Akyol, Faruk Karadag, and Ahmet Ekicibil. Magnetically separable low pt substituted co nanoparticles: Investigation of structural, magnetic, and catalytic properties. *PHYSICA B-CONDENSED MATTER*, 632, MAY 1 2022.
- [36] Sifa Kir, Ilyas Dehri, Yunus Onal, Ramazan Esen, and Canan Akmil Basar. The investigation of structural alteration of raw materials used to attain graphene quantum dots in different prolysis conditions. *SURFACES AND INTERFACES*, 29, APR 2022.
- [37] Burak Kivrak, Mustafa Akyol, and Ahmet Ekicibil. Investigation of structural and magnetic characteristic of pure and m-doped (m: Fe and cu) mos₂ thin films. *JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS*, 33(20):16574–16585, JUL 2022.
- [38] Muharrem Kunduraci, Selda Kilic Cetin, Ugur Caglayan, Rasiha Nefise Mutlu, Dogan Kaya, and Ahmet Ekicibil. Energy storage performance of liv₃o₈/water-in-salt electrolyte/lini₁/3co₁/3mn₁/3o₂ cell for aqueous lithium-ion batteries. *JOURNAL OF ELECTROANALYTICAL CHEMISTRY*, 908, MAR 1 2022.

- [39] M. Oglakci, M. Topaksu, Y. Alajlani, N. Can, and E. Ekdal Karali. Thermal quenching and evaluation of trapping parameters of thermoluminescence glow-peaks of beta irradiated nababo3: Tb³⁺ for tld applications. *JOURNAL OF LUMINESCENCE*, 244, APR 2022.
- [40] B. Ozcelik, G. Cetin, M. Gursul, C. Ozcelik, T. Depci, M. A. Madre, A. Sotelo, H. Ando, K. Terashima, and Y. Takano. Low temperature thermoelectric properties of na-substituted bi₂ca₂co₂oy ceramics fabricated via lfz technique. *MATERIALS CHEMISTRY AND PHYSICS*, 278, FEB 15 2022.
- [41] C. Ozcelik, T. Depci, G. Cetin, M. Gursul, B. Ozcelik, M. A. Madre, A. Sotelo, H. Ando, K. Terashima, and Y. Takano. Detailed low temperature studies on thermoelectric performance of k-doped bi₂ca₂co₂oy ceramics fibers. *PHYSICA SCRIPTA*, 97(8), AUG 1 2022.
- [42] Sibel Ork Ozel and Selin Cabuk. Estimation of ill-posed linear deterministic regression model: generalized maximum entropy and bayesian approach. *JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY*, 37(2):815–823, 2022.
- [43] Atila Poro, Ehsan Paki, Mark G. Blackford, Fatemeh Davoudi, Yasemin Aladag, Shiva Zamanpour, Soroush Sarabi, Afshin Halavati, Nazim Ak-saker, Halil Bagis, Jabar Rahimi, Hamidreza Guilani, Aysun Akyuz, Faezeh Jahediparizi, Ozge Doner, and Zohreh Ashrafzadeh. The photometric study of six w uma systems and investigation of the mass-radius relations for contact binary stars. *PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC*, 134(1036), JUN 1 2022.
- [44] Z. G. Portakal-Ucar. Thermoluminescence properties and kinetic parameters of beta-irradiated turkish slate stone. *APPLIED RADIATION AND ISOTOPES*, 180, FEB 2022.
- [45] Aziza H. Qaisi, U. H. Kaynar, M. Ayvacikli, J. Garcia-Guinea, Y. Alajlani, M. Topaksu, and N. Can. Novel dy incorporated ca₃y₂b₄o₁₂ phosphor: Insights into the structure, broadband emission, photoluminescence and cathodoluminescence characteristics. *APPLIED RADIATION AND ISOTOPES*, 185, JUL 2022.
- [46] S. Sarikci, M. Topaksu, M. Bakr, and N. Can. Structural and analyses of thermoluminescence glow curves in sm doped srgd₂o₄ phosphor. *JOURNAL OF ALLOYS AND COMPOUNDS*, 911, AUG 5 2022.

- [47] Yassine Slimani, R. Sivakumar, Sher Singh Meena, R. Vignesh, Ghulam Yasin, Essia Hannachi, M. A. Almessiere, Zayneb Trabelsi, Khalid Mu-jasam Batoo, A. Baykal, N. Sfina, S. Brini, Sagar E. Shirasath, I Ercan, and B. Ozcelik. *Batio₃/(co0.8ni0.1mn0.1fe1.9ce0.1o4)(x)* composites: Analysis of the effect of co0.8ni0.1mn0.1fe1.9ce0.1o4 doping at different concentrations on the structural, morphological, optical, magnetic, and magnetoelectric coupling properties of batio₃. *CERAMICS INTERNATIONAL*, 48(20):30499–30509, OCT 15 2022.
- [48] M. Sonsuz, M. Topaksu, J. Hakami, and N. Can. Synthesis and thermoluminescence study of eu doped novel labo₃ phosphor: Heating rate, dose response, trapping parameters. *RADIATION PHYSICS AND CHEMISTRY*, 201, NOV 2022.
- [49] G. Souadi, S. Akca-Ozalp, E. Ekdal Karali, U. H. Kaynar, M. Ayvacikli, M. Topaksu, and N. Can. Synthesis and beta particle excited thermoluminescence of basif₆ phosphor. *APPLIED RADIATION AND ISOTOPES*, 181, MAR 2022.
- [50] G. Souadi, U. H. Kaynar, M. Oglakci, M. Sonsuz, M. Ayvacikli, M. Topaksu, A. Canimoglu, and N. Can. Thermoluminescence characteristics of a novel li₂moo₄ phosphor: Heating rate, dose response and kinetic parameters. *RADIATION PHYSICS AND CHEMISTRY*, 194, MAY 2022.
- [51] G. Souadi, M. Oglakci, U. H. Kaynar, V. Correcher, J. F. Benavente, K. Bulcar, M. Ayvacikli, A. Hiziroglu, M. Topaksu, N. Can, and E. Ekdal Karali. Thermoluminescence glow curve analysis and kinetic parameters of eu doped li₂moo₄ ceramic phosphors. *CERAMICS INTERNATIONAL*, 48(13):19258–19265, JUL 1 2022.
- [52] A. Tokkaya, S. Kilic Cetin, B. Altan, A. Coskun, E. Tasarkuyu, and A. Ekicibil. Effect of sintering time on the crystallisation, morphology, structure, electric, magnetic and magnetocaloric properties of la_{0.80}ag_{0.20}mno₃. *JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM*, 35(1):303–314, JAN 2022.
- [53] C. Ulutas, O. Erken, M. Gunes, O. M. Ozkendir, and C. Gumus. Investigation on the electronic and physical properties of gamma-mns films as a function of thickness. *MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING*, 140, MAR 15 2022.

- [54] Z. Yarar, D. Cesur, M. D. Alyoruk, H. C. Cekil, B. Ozdemir, and M. Ozdemir. Screening effects on the mobility properties in algan/gan heterostructures with varied al content. *INTERNATIONAL JOURNAL OF MODERN PHYSICS C*, 33(12), DEC 2022.