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Papers in Conferences

1. Sadeghi, B., Sadeghi, E., Zahedifar, M., and Harooni Arani, S., Determination and comparison of kinetic parameters of LiF:Mg,Ti (TLD-100) dosimeter in gamma and alpha, Iranian nuclear conference, 2018.
2. Zahedifar, M., Sadeghi, E., Sadeghi, B., and Harooni Arani, S., Determination of thermoluminescence kinetic parameter of TLD-100 (LiF:Mg;Ti) for absorbed doses of 1 and 5Gy using variable heating rate, isothermal decay and initial rise methods, Annual physics conference of Iran, 2016.
3. Almasifar, F., Zahedifar, M., Sadeghi, E., Harooni Arani, S., and Kashefi Biroon, M., Using of MgSO₄:Dy nanoparticles synthesized by hydrothermal method in thermoluminescence dosimetry for the first time, Annual physics conference of Iran, 2015.
4. Sadeghi, E., Zahedifar, M., Almasifar, F., Harooni Arani, S., and Mehrabi, M., Thermoluminescence features of MgSO₄:Mn nanoparticles in gamma irradiation, Annual physics conference of Iran, 2014.
5. Harooni Arani, S., and Zahedifar, M., Thermoluminescence glow curves analysis of quartz using mixed order model for exponential distribution of activation energies, Annual physics conference of Iran, 2014.
6. Harooni Arani, S., Zahedifar, M., and Almasifard, F., A model for phototransferred thermoluminescence and its application for estimating the kinetic parameters of real systems, Annual physics conference of Iran, 2013.
7. Harooni Arani, S., and Zahedifar, M., A new thermoluminescence mixed order model assuming allowed retrapping of charge carriers in deep trap, Annual physics conference of Iran, 2012.
8. Mollabashi, L., Zahedifar, M., and Harooni Arani, S., Preparation and investigation of thermoluminescence and dosimetric properties of CaSO₄: (Dy, Tm), Annual physics conference of Iran, 2011.
9. مینا باقری خوراسگانی، احسان صادقی، مصطفی زاهدی، فرسمیه هارونی آرانی، مرضیه شریفی ولدانی، ساخت نانوذرات دیاکسید قلع با ناخالصی یوربیم و بررسی خصوصیات دزیمتری آن، بیست و نهمین کنفرانس ملی هسته ای ایران، ۱- ۲۶ ۰۲ ۲۰۲۳، تهران.
10. الهام نریمانی زمان ابادی، مصطفی زاهدی، فرحسان صادقی، مزگان نادری، سمیه هارونی آرانی، تعیین پارامترهای با استفاده از انرژی پرتو ایکس، بیست و نهمین کنفرانس ملی ۱۰۰-TLD (LiF:Mg;Ti) سینتیک دزیمتر ترمولومینسانس هسته ای ایران، ۱- ۲۶ ۰۲ ۲۰۲۳، تهران.
11. Application of alumina nanoparticles in thermoluminescence dosimetry, international conference on modern technologies in sciences, 17 05 2023, 1 - 17 05 2023, آمل.
12. Harooni Arani, S., Zahedifar, M., and Aghiri, M., Comparison of two main parameters in two widely used thermoluminescence models, Annual physics conference of Iran, 2011.

1. Harooni, S. and Akbari, S., Investigation of sensitivity loss and recovery method of CaF₂:Mn (TLD-۴۰۰) thermoluminescent dosimeter irradiated to high gamma dose. Iran. J. Radiat. safety and Meas., ۲۰۲۲.
2. Talebi, M., Sadeghi, E., Zahedifar, M. and Harooni, S., Synthesis, structural characteristics and thermoluminescence features of KCl: Mn and KCl: Ce phosphors, Nucl. Inst. And Meth. B, 2022.
3. سمیه هارونی آرانی, سکینه طاهری حسن اباد, مدل جدید مرتبه ی اول ترمولومینسانس به صورت تابعی از شدت و سمیه هارونی آرانی, مجله علوم و فنون هسته‌ای, ISC, ۲۰۲۲.
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5. Harooni, S., Zahedifar, M., Kermani, S. and Sadeghi, E., A new thermoluminescence mixed order model considering thermal quenching effect, Iran. J. Phys. Res., ۲۰۲۱.
6. Taheri و Hasanabad, S., Harooni, S., Zahedifar, M. and Hajiloo, N., Determination of thermal quenching parameters in CaF₂: Mn (TLD-۴۰۰) thermoluminescent dosimeter, J. Nucl. Sci. Technol., ۲۰۲۰.
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8. Harooni, S., Zahedifar, M., Ramazani , Moghaddam , Arani, A., Sadeghi, E., and Mehrabi, M., The study on the kinetic parameters of deep traps of α -Al₂O₃:C (TLD-500) dosimeter by comparing experimental photo-transferred thermoluminescence response with the theoretical model, J. Nucl. Sci. Technol., 2019.
9. Akbari, S., Harooni, S. and Zahedifar, M., Recovery of thermoluminescence sensitivity in CaF₂:Mn (TLD-400) dosimeter under heating process, Iran. J. Radiat. safety and Meas., 2019.
10. Mehrabi, M., Zahedifar, M., Saeidi , Sogh, Z., Ramazani , Moghaddam , Arani, A., Sadeghi, E. and Harooni, S, Thermoluminescence and photoluminescence properties of NaCl:Mn, NaCl:Cu nano-particles produced using co-precipitation and sono-chemistry methods, Nucl. Inst. And Meth. A, 2017.
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14. Zahedifar, M. and Harooni, S, An improved mixed order model for describing thermoluminescence glow curves, IJST, 2015.
15. Zahedifar, M., Sadeghi, E., Kashefi biroon , M., Harooni, S. and Almasifard, F, Thermoluminescence dosimetry features of Dy and Cu doped SrF₂ nanoparticles under gamma irradiation, Appl. Radiat. Isot, 2015.
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thermoluminescence sensitivity, Appl. Radiat. Isotopes, 2011.

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