



Mostafa Zahedifar

Professor

College: faculty of Physics

Department: Nuclear Physics

Papers in Conferences

1. سجاد قربانی سینی، مهرداد مرادی کاونانی، مصطفی زاهدیفر، زهرا رجبی، بررسی خواص سطحی و ساختار بلوری لایه‌های جهت استفاده در سلولهای خورشیدی لایه نازک، نهمین کنفرانس سلول های CZTS اتصال پشתי مولیبدن و جذب خورشیدی نانوساختاری، ۱ - تهران، ۲۰۲۰، ۱۱ ۱۹.
2. معصومه سعیدیان، احسان صادقی، مصطفی زاهدیفر، فهیمه عباسی، سنجش دز سالانه دریافتی خاک منطقه بهشهر. مازندران توسط پرتوهای کیهانی و عناصر پرتوزای موجود در خاک، پنجمین همایش ملی کاربرد فناوری هسته ای در کشاورزی، ۱ - یزد، ۲۰۱۹، ۱۱ ۲۰.
3. مطهره طالبی فتیهدی، احسان صادقی، مصطفی زاهدیفر، بررسی خواص دزیمتر کلرید پتاسیم با ناخالصی لاتانیم تحت کنفرانس فیزیک ایران، ۱ - تبریز، ۲۰۱۹، ۰۸ ۲۶ (UVC) تابش اشعه فرابنفش.
4. علی اشرف زاده، مصطفی زاهدیفر، سماء درخشان نژاد، منیجه رحیمی بالکانلو، ساخت و بررسی خواص سوسوزنی نانوذرات سرب تنگستات با هدف آشکارسازی پرتوهای گاما و ایکس کم انرژی، انجمن فیزیک سال ۹۷ دانشگاه قزوین، ۲۷/۰۸/۲۰۱۸.

Papers in Journals

1. با ترکیب مناسب CIGS مصطفی زاهدی فر، طیبه قربانی آرانی، مهرداد مرادی کاونانی، افزایش بازدهی سلول خورشیدی. date-error، نشریه علمی مهندسی و مدیریت انرژی، Silvaco شبیه سازی بوسیله نرم افزار: CdSe و CdS لایه های بافر error، ISC.
2. فاطمه الماسی فرد، مصطفی زاهدیفر، احسان صادقی، مریم کاشفی بیرون، مطالعه خواص ترمولومینسانس منیزیم Iranian Journal of Radiation Safety and Measurement، شماره ۴۷، ۲۵، ۵، ۲۰۲۰، صفحات ۴۷، ۲۵، ۵، ۲۰۲۰.
3. مقدار خلیفه شوشتری، احسان صادقی، مصطفی زاهدیفر، ساخت دزیمتر لیتیم فلوراید آلاییده با استرانسیم و سرب به ISC، روش ذوب و مطالعه خواص ترمولومینسانس آن، سنجش و ایمنی پرتو، مجلد ۶، شماره صفحات ۱، ۲۰۱۸.
4. فاطمه الماسی فرد، احسان صادقی، مصطفی زاهدیفر، سمیه هارونی آرانی، سنتز نانوذرات منیزیم سولفات آلاییده شده با Iranian Journal of Radiation Safety and Measurement، ۲۰۱۷، ISC.
5. با ترکیب CIGS طیبه قربانی، مصطفی زاهدی فر، مهرداد مرادی کاونانی، احسان قنبری، افزایش بازدهی سلول خورشیدی نشریه علمی پژوهشی مهندسی و مدیریت انرژی، Silvaco شبیه سازی به وسیله نرم افزار CdSe، CdS مناسب لایه های بافر ISC، انرژی، مجلد ۱۲، شماره صفحات ۱۲، ۱۴۰۱/۱۰/۰۲.
6. بهاره محمدزاده، احسان صادقی، مصطفی زاهدیفر، ساخت، مشخصه‌یابی و بررسی توانایی تولید گونه‌های فعال اکسیژن UVC، Journal of Lasers in Medical Sciences، شماره صفحات ۱۰/۰۶/۱۴۰۰، ۱۷، ۱۴۰۰، ۱۰/۰۶/۱۴۰۰، ۱۷، ۱۴۰۰.
7. بهاره محمدزاده، احسان صادقی، مصطفی زاهدیفر، ساخت، مشخصه‌یابی و بررسی توانایی تولید گونه‌های فعال اکسیژن UVC، Journal of Lasers in Medical Sciences، شماره صفحات ۱۰/۰۶/۱۴۰۰، ۱۷، ۱۴۰۰، ۱۰/۰۶/۱۴۰۰، ۱۷، ۱۴۰۰.

Sciences, 17, 1400/06/10, شماره صفحات 18, مجلد 18, ISC.

8. مرآت کریمی, احسان صادقی, مصطفی زاهدیفر, ساخت و مشخصه یابی نوری نانوذرات گاما آلومینا و بررسی خواص Journal of Advanced Biomedical Sciences, 1399/09/10, ISC.
9. Comparison of Green and Chemical Synthesis of Tin Oxide Nanoparticles via Co-precipitation Technique and Analysis of Its Optical Properties, Comparison of Green and Chemical Synthesis of Tin Oxide Nanoparticles via Co-precipitation Technique and Analysis of Its Optical Properties, Vol. 13, pp. 664, 2023 07 01, SCOPUS, ISC.
10. Comparison of Green and Chemical Synthesis of Tin Oxide Nanoparticles via Co-precipitation Technique and Analysis of Its Optical Properties, Comparison of Green and Chemical Synthesis of Tin Oxide Nanoparticles via Co-precipitation Technique and Analysis of Its Optical Properties, Vol. 13, pp. 664, 2023 07 01, SCOPUS, ISC.
11. Kakuee, O., Montazerzohouri, M., Abedi, A., Biganeh, A., Fathollahi, V., Lamehi, R., Rächti, Mesbahi, Sh., Movafeghi A., Oud, B., Bashi, O., Rok, B., Yahaghi, E., مصطفی زاهدیفر, Analytical Archeometry: Facilities and Research Opportunities, مطالعات باستان شناسی پارسه, Vol. 6, pp. 345, 2022 08 23, ISC, IranMedex, PubMed.
12. امیدرضا کا کوبی, مجید منتظرظهوری, اکبر عابدی, علی بیگانه, وحید فتحاللهی, محمد المعیرشتی, شکوفه مصباحی, امیر موافقی, امید عودباشی, بهروز رکوک, عفت یاحقی, مصطفی زاهدیفر, باستان شناسی تحلیلی: امکانات و فرصتهای پژوهش در ایران, مطالعات باستان شناسی پارسه, Vol. 6, pp. 345, 2022 08 23, ISC.
13. Yongtao Li, Preparation and characterization of Li₂B₄O₇ nanoparticles co-doped with Mg and Cu for thermoluminescence dosimetry of gamma-rays, Preparation and characterization of Li₂B₄O₇ nanoparticles co-doped with Mg and Cu for thermoluminescence dosimetry of gamma-rays, Vol. 194, pp. 1, 2022 02 25, JCR.
14. Yongtao Li, Preparation and characterization of Li₂B₄O₇ nanoparticles co-doped with Mg and Cu for thermoluminescence dosimetry of gamma-rays, Radiation Physics and Chemistry, Vol. 194, pp. 1, 2022 02 25, SCOPUS, JCR.
15. محسن محرابی, مصطفی زاهدیفر, زهره سعیدی, روح الله قیصری, سهیلا حسنلو, Effect of using ultrasonic waves in synthesis on the size, shape and luminescence properties of NaCl:Ce³⁺ crystals for clinical dosimeter application, MATER CHEM PHYS, Vol. 263, pp. 1, 2021 02 11, JCR.
16. Investigation on the properties of La-doped and Dy-doped ZnO nanorods and their enhanced photovoltaic performance of Dye-Sensitized Solar Cells, OPT MATER, Vol. 112, pp. 1, 2021 02 01, JCR.
17. Influence of affinity, band gap and ambient temperature on the efficiency of CIGS solar cells, OPTIK, Vol. 223, pp. 165541, 2020 09 09, ISC, JCR.
18. The environmental and economic analysis of grid-connected photovoltaic power systems with silicon solar panels, in accord with the new energy policy in Iran, Energy, Vol. 202, pp. 1, 2020 07 01, JCR.
19. Fabrication and characterization of Ag-doped Li_{1.3}Al_{0.3}Ti_{1.7}(PO₄)₃ solid electrolyte with high ionic conductivity, J MATER SCI-MATER EL, Vol. 31, pp. 9614, 2020 05 02, JCR.
20. Preparation and characterization of selenium-decorated graphene quantum dots with high afterglow for application in photodynamic therapy, LUMINESCENCE, Vol. 35, pp. 891, 2020 03 13, SCOPUS, JCR.
21. احسان قنبری کهیانی, مصطفی زاهدیفر, امید امیری, Optimal conditions for fabricating CIGS nanoparticles by solvothermal method, J MATER SCI-MATER EL, 2018 01 28, ISI, SCOPUS.
22. Thermoluminescence dosimetry features of Dy and Cu doped SrF₂ nanoparticles under gamma irradiation, APPL RADIAT ISOTOPES, Vol. 105, pp. 176, 2015 08 11, ISI, SCOPUS.
23. Synthesis, characteristics and thermoluminescent dosimetry features of γ -irradiated Ce doped CaF₂ nanophosphor, Applied Radiation

- and Isotopes, Vol. 78, pp. 125, 2013 04 24, SCOPUS, PubMed, JCR.
24. Morphology optimization of CCVD-synthesized multiwall carbon nanotubes, using statistical design of experiments, Nanotechnology, Vol. 18, pp. 115715, 2007 02 14, SCOPUS, JCR.
25. M. Zahedifar و Z. Chamanzadeh. Preparation and Characterization of Downconversion Luminescent $\text{LaVO}_4: \text{Tm}^{3+}$, Yb^{3+} and $\text{Tm}^{3+} / \text{Yb}^{3+}$ Nanosheets. Journal of Nanostructures. Winter ۲۰۱۲.
26. Zahedifar M و Harouni S. مجله پژوهش، توزیع پیوسته انرژی مراکز گیراندازی، فصلنامه فیزیک ایران، ۱۳۹۵، Springer.
27. E. Ghanbari, M. Zahedifar, O. Amiri. Optimal conditions for fabricating CIGS nanoparticles by solvothermal method. Journal of Materials Science: Materials in Electronics, January ۲۰۱۸.
28. M.K. Shoushtari, M. Zahedifar, E. Sadeghi a. Preparation and thermoluminescent dosimetry features of high sensitivity LiF:Mg,Ce phosphor. Nuclear Inst. and Methods in Physics Research, January ۲۰۱۸.
29. E. Sadeghia, M. Zahedifar, M. Khalifeh Shoushtaria. Synthesis and dosimetry features of novel sensitive thermoluminescent phosphor of LiF doped with Mg and Dy impurities. Applied Radiation and Isotopes, February ۲۰۱۸.
30. $\text{CaF}_2:\text{Mn}$ (TLD-۴۰۰) سمیه هارونی آرانی, مصطفی زاهدیفر, سحر اکبری, بازیابی حساسیت دزیمتر ترمولومینسانس Iranian Journal of Radiation Safety and Measurement, ۲۰۱۹ ۰۹ ۲۰.
31. از راه مقایسه ی پاسخ گرمالیانی انتقال (LiF:Mg,Ce (TLD-۵۰۰) بررسی پارامترهای سینتیک دام های عمیق دزیمتر. Journal of Nuclear Science and Tehnology, ۲۰۱۹ ۰۶ ۲۰.
32. احسان صادقی, مرآت کریمی, مرضیه شریفی ولدانی, مصطفی زاهدیفر, بررسی تولید رادیکال های آزاد در پرتوگیری $\text{SnO}_2:\text{Eu}$, Iranian Journal of Radiation Safety and Measurement, ۲۰۱۹ ۰۳ ۲۱.
33. و بررسی توانایی تولید ZnS:Mn احسان صادقی, مصطفی زاهدیفر, زهرا محمودیان بیدگلی, ساخت نانوذرات گونه های فعال اکسیژن توسط آن ها, پژوهش سیستم های بس ذره ای, ۲۰۱۸ ۰۳ ۰۴.
34. Almasifard F, Sadeghi E, Zahedifar M, Harouni S. سنتز نانوذرات منیزیم سولفات آلاینده شده با مس به. Iranian Journal of Radiation Safety and Measurement, ۲۰۱۷ ۴ ۰۱.
35. zChamanzadeh, M. Noormohammadi, M. Zahedifar. Enhanced photovoltaic performance of dye sensitized solar cell using TiO_2 and ZnO nanoparticles on top of free standing TiO_2 nanotube arrays. MAT SCI SEMICON PROC, ۲۰۱۷ ۲ ۰۱.
36. تعیین پارامتر های فروکشی دمایی دزیمتر ترمو, Harouni S, Zahedifar M, Ahmadian Z. Iranian Journal of Radiation Safety and Measurement, ۲۰۱۷ ۱ ۰۱.
37. سمیه هارونی آرانی, مصطفی زاهدیفر, زینب احمدیان علی ابادی, تعیین پارامترهای فروکشی دمایی دزیمتر LiF:Mg,Ti (TLD-۱۰۰), Iranian Journal of Radiation Safety and Measurement, ۲۰۱۷ ۰۳ ۱۱.
38. ساخت ذرات سدیم کلرید خالص به روش هم رسوبی در, Zahedifar M, Saiedi M, Modares M, Sadeghi M. Iranian Journal of Radiation Safety and Measurement, ۲۰۱۶.
39. Ehsan Sadeghi, Mostafa Zahedifar. Synthesis and investigation of dosimetry properties of SrF_2 nanoparticles doped with Yb impurity. Iranian Journal of Radiation Safety and Measurement, ۲۰۱۵/۱۲/۱۰.
40. Iranian Journal of Radiation Safety and Measurement, ۲۰۱۵ ۹ ۰۱.
41. Sadeghi E و Zahedifar M. استفاده از $n\text{-}^{\text{Am-Be}}$ (۱۳YC) تفکیک دز نوترون و گاما در میدان های آمیخته, Iranian Journal of Radiation Safety and Measurement, ۲۰۱۵ ۹ ۰۱.
42. Sadeghi E, Zahedifar M, Najari S. استفاده از آشکارساز PTTL تعیین میزان دز جذب شده پرتو گاما به روش LiF:Mg,Ce . Iranian Journal of Radiation Safety and Measurement, ۲۰۱۵ ۳ ۰۱.
43. Jafarizade M, Zahedifar M, Taheri M, Baradaran S. اندازه گیری غلظت رادن در برخی ساختمان های, Iranian Journal of Radiation Safety and Measurement, ۲۰۱۵ ۳ ۰۱.
44. M kashefi, Sadeghi E, Zahedifar M. بررسی خصوصیات دزیمتری Yb با ناخالصی SrF_2 سنتز نانوذرات, Iranian Journal of Radiation Safety and Measurement, ۲۰۱۵ ۱۲ ۰۱.

45. M Zahedifar, S Ghanbari Kashan, E Hoseinpoor Fini. Simulation of thermoluminescence glow peaks of LiF:Mg,Cu,P nanoparticles by using Monte Carlo method. Iranian Journal of Radiation Safety and Measurement, 2015, 05, 24.
46. Zahediifar M, Ghanbari S, Hoseinpoor E, با LiF:Mg,Cu,P شبیه سازی قله های ترمولومینسانس نانوذرات, استفاده از روش مونت کارلو, مجله سنجش و ایمنی پرتو, 2015.
47. Mnasoor Jafarizadeh, Mostafa Zahedifar, Mehran Taheri, Samaneh Baradaran, Falamarz Torkzadeh. Evaluation of public dose due to natural radiation of Gamma and Radon in Kashan city in Iran. Iranian Journal of Radiation Safety and Measurement, 2014/12/10.
48. sadeghi E و Zahedifar M, ساخت دزیمتر گرماتاب, LiF:Mg,Cu,P و بررسی تأثیر ناخالصی مس بر خصوصیات, Iranian Journal of Radiation Safety and Measurement, 2014, 6, 01.
49. Zahedifar M, Hasanlou s, Sadeghi E, و ساخت نانوبلور لیتیوم تترا بورات آلیایده با منیزیم به روش احتراقی, Iranian Journal of Radiation Safety and Measurement, 2014, 6, 01.
50. M. Zahedifar, & S., Harooni, An improved mixed order model for describing thermoluminescence glow curves, IRAN J SCI TECHNOL A, Spring 2015.
51. M. Farangi, M. Zahedifar, M.R. Mozdianfard, M.H. Pakzamir, Effects of silicon nanowires length on solar cells photovoltaic properties, Applied Physics A, November 2012.
52. M. Rahimi, M. Zahedifar, E. Sadeghi, SYNTHESIS, OPTICAL PROPERTIES AND THERMOLUMINESCENCE DOSIMETRY FEATURES OF MANGANESE DOPED Li₂B₄O₇ NANOPARTICLES, Radiation Protection Dosimetry, pp. 360–367, March 2018.
53. M. Zahedifar, M. Mehrabi, M. Modarres, S. Harooni, THERMOLUMINESCENCE PROPERTIES OF BeO:MG NANOPARTICLES PRODUCED BY SOL-GEL METHOD, JOURNAL OF NANOSTRUCTURES, MARCH 2012.
54. F. Tavakkolib, M. Zahedifar, E. Sadeghia, Effect of LaF₃: Ag fluorescent nanoparticles on photodynamic efficiency and cytotoxicity of Protoporphyrin IX photosensitizer, Photodiagnosis and Photodynamic Therapy, January 2018.
55. M. Zahedifar, N. Taghavinia, M. Aminpour, Synthesis and Thermoluminescence of ZnS:Mn²⁺ Nanoparticles, AIP conference proceedings, August 2007.
56. Afterglow properties of CaF₂:Tm nanoparticles and its potential application in photodynamic therapy, Journal of Luminescence, 3 December 2015.
57. M Roefinfard, M Zahedifar, M Darroudi, K Sadri, A Khorsand Zak, Preparation of Technetium Labeled-Graphene Quantum Dots and Investigation of Their Bio Distribution, Journal of Cluster Science, 2021 3 1.
58. M Roefinfard, M Zahedifar, M Darroudi, A Khorsand Zak, E Sadeghi, Synthesis of Graphene Quantum Dots Decorated With Se, Eu and Ag As Photosensitizer and Study of Their Potential to Use in Photodynamic Therapy, Journal of Fluorescence, 2021-3.
59. Mohsen Mehrabi, Mostafa Zahedifar, Zohre Saeidi, Rouhollah Gheisari, Soheila Hasanloo, Effect of using ultrasonic waves in synthesis on the size, shape and luminescence properties of NaCl: Ce³⁺ crystals for clinical dosimeter application, Materials Chemistry and Physics, 2021 2 11.
60. M Roefinfard, M Zahedifar, M Darroudi, A Khorsand Zak, E Sadeghi, Preparation and characterization of selenium-decorated graphene quantum dots with high afterglow for application in photodynamic therapy, Luminescence, 2020-9.
61. Fatemeh Almasifard, Mostafa Zahedifar, Ehsan Sadeghi, Thermoluminescence characteristics and kinetic analysis of copper doped magnesium sulfate in gamma irradiation, Iranian Journal of Radiation Safety and Measurement, 2020 6 10.
62. M Rahimi, M Zahedifar, R Azimirad, A Faeghinia, Luminescence and scintillation properties of Eu²⁺ doped CaF₂ glass ceramics for radiation spectroscopy, Journal of Luminescence, 2020 5 1.
63. مصطفی زاهدیفر, احسان صادقی, زهرا محمودیان بیدگلی, Synthesis of Nanoparticles of ZnS:Ag-L-cysteine-protoporphyrin IX Conjugates and Investigation its Potential of Reactive Oxygen Species Production, J FLUORESC, 2019 08 02.
64. مریم کاشفی بیرون, مصطفی زاهدیفر, احسان صادقی, فاطمه الماسی فرد, Preparation, kinetic analysis and

thermoluminescent dosimetry features of highly sensitive SrF₂:Dy phosphor, RADIAT PHYS CHEM, 2019 06 16.

65. سمیه هارونی آرانی , مصطفی زاهدیفار , احسان صادقی , زینب احمدیان علی آبادی , A new thermoluminescence general order glow curve fit function considering thermal quenching effect, RADIAT PROT DOSIM, 2019 05 28.

66. احسان قنبری کهیانی , مصطفی زاهدیفار , مهرداد مرادی کاوانی , Improving CIGS thin film by evaporation of CIGS nanoparticles without phase change, APPL PHYS A-MATER, 2019 04 13.

67. زهرا رجیبی برفه , مهرداد مرادی کاوانی , مصطفی زاهدیفار , Back contact selenization and absorber layer etching for improvement in Schottky diode behavior of [Mo/CIGS/Al] structure, Materials Research Express, 2019 02 06.

68. Z Chamanzadeh, M Noormohammadi, M Zahedifar, Self-organized and uniform TiO₂ nanotube arrays with optimized NH₄F concentration in electrolyte by high voltage electrochemical anodization, Materials Research Express, 2018 05 02.

69. M Rahimi, M Zahedifar, E Sadeghi, SYNTHESIS, OPTICAL PROPERTIES AND THERMOLUMINESCENCE DOSIMETRY FEATURES OF MANGANESE DOPED Li₂B₄O₇ NANOPARTICLES, RADIAT PROT DOSIM, 2018 02 09.

70. F Tavakkoli, M Zahedifar, E Sadeghi, Effect of LaF₃:Ag fluorescent nanoparticles on photodynamic efficiency and cytotoxicity of Protoporphyrin IX photosensitizer, PHOTODIAGN PHOTODYN, 2018 01 11.

71. Thermoluminescence dosimetry properties and kinetic analysis of MgSO₄:Dy microcrystalline prepared by solid state method, Radiation Measurements, 2017 6 21.

72. Moradi M , Teymouri R , Saadat M , Zahedifar M, Buffer layer replacement: A method for increasing the conversion efficiency of CIGS thin film solar cells, OPTIK, 2017 2 01.

73. Thermoluminescence kinetic analysis and dosimetry features of MgSO₄:Dy and MgSO₄:Cu nano-rods, Radiation Physics and Chemistry, 2016 4 8.

74. M.Saadata , M.Moradia , M.Zahedifar, CIGS absorber layer with double grading Ga profile for highly efficient solar cells, Superlattices and Microstructures, 2016 2 20.

75. M.Mehrabi et al., Thermoluminescence and photoluminescence properties of NaCl:Mn, NaCl:Cu nano-particles produced using co-precipitation and sono-chemistry methods, Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016 10 4.

76. M Mehrabi, M Zahedifar, Z Saeidi , Sogh, A Ramazani , Moghaddam , Arani, E Sadeghi, S Harooni, Thermoluminescence and photoluminescence properties of NaCl:Mn, NaCl:Cu nano-particles produced using co-precipitation and sono-chemistry methods, NUCL INSTRUM METH A, 2016 10 03.

77. Synthesis and characterization of GdVO₄:Dy³⁺ nanosheets as down converter: application in dye-sensitized solar cells, Journal of Materials Science: Materials in Electronics, 2016 1 23.

78. Moradi M , Teymouri R , Zahedifar M , Saadat M, Optimization of Cd_{1-y}Zn_yS buffer layer in Cu(In,Ga)Se₂ based thin film solar cells, OPTIK, 2016 1 01.

79. SM Hoseinpoor, N Nikoofard, M Zahedifar, Accuracy Limits of the Blob Model for a Flexible Polymer Confined Inside a Cylindrical Nano-Channel, J STAT PHYS, 2016 02 18.

80. Thermoluminescence dosimetry features of DY and Cu doped SrF₂ nanoparticles under gamma irradiation, Applied Radiation and Isotopes, 2015 8 19.

81. Afterglow properties of CaF₂:Tm nanoparticles and its potential application in photodynamic therapy, Journal of Luminescence, 2015 12 3.

82. Mahdiyeh Esmaeili Zare , Mohsen Behpour , M. Zahedifar, Electrodeposition of CIGS nanostructure photovoltaic absorber layers: effect of deposition time, Journal of Materials Science: Materials in Electronics, 2015 10 29.

83. 8 , M. Saadat , M. Moradi , M. Zahedifar, Optimization of Zn(O,S)/(Zn,Mg)O buffer layer in Cu(In,Ga)Se₂ based photovoltaic cells, Journal of Materials Science: Materials in Electronics, 2015 10 11.

84. M Zahedifar, E Sadeghi, MK Biroon, S Harooni, F Almasifard, Thermoluminescence dosimetry

- features of Dy and Cu doped SrF₂ nanoparticles under gamma irradiation, APPL RADIAT ISOTOPES, 2015 08 17.
85. Optimal conditions for preparing CIGS thin film through two-step process of sputtering followed by selenization, STUD U BABES-BOL CHE, 2015.
86. Mansoor Jafarizadeh, Mostafa Zahedifar, Mehran Taheri, Samaneh Baradaran, Measurement of radon concentration in some dwellings of Kashan city in Iran, Iranian Journal of Radiation Safety and Measurement, 2014/6/10.
87. Ehsan Sadeghi, Mostafa Zahedifar, Samaneh Najari, Mohsen Mehrabi, Re-estimation of absorbed gamma dose using PTL in α -Al₂O₃: C dosimeter, Iranian Journal of Radiation Safety and Measurement, 2014/3/10.
88. Mohsen Mehrabi, Mostafa Zahedifar, Ehsan Sadeghi, Luminescence Properties Of Pure CaSO₄ Nanoparticles Produced By Co-Precipitation Method, Journal of Nanostructures, 2014/10/1.
89. E Sadeghi, M Zahedifar, M Mehrabi, Synthesis and thermoluminescence characteristics of CaF₂: Dy, Tm nanoparticles, JOURNAL OF NUCLEAR SCIENCE AND TECHNOLOGY, 2014/1/1.
90. Narges Nikoofard, S. Mohammad Hoseinpoor, Mostafa Zahedifar, Accuracy of the blob model for single flexible polymers inside nanoslits that are a few monomer sizes wide, wide Physical Review E, 2014 12 29.
91. M Mehrabi, M Zahedifar, E Sadeghi, Luminescence Properties Of Pure CaSO₄ Nanoparticles Produced By Co- Precipitation Method, Journal of NanoStructures, 2014 12 11.
92. Zahedifar M, Ghanbari E, Moradi M, Saadat M, Optimized annealing regime of CuGaSe₂ nanoparticles prepared by solvothermal method, PHYS STATUS SOLIDI A, 2014 11 01.
93. M MORADI, MB GHORASHI, M ZAHEDIFAR, M SAADAT, T GHORBANI, INVESTIGATION OF THE EFFECT OF VACUUM AND GAS FLOW ON SELENIZATION OF CIG COMPOUND, NATIONAL VACUUM CONFERENCE IRAN, 2014.
94. M Zahedifar, M Farangi, MH Pakzamir, Study the effect of silicon nanowire length on characteristics of silicon nanowire based solar cells by using impedance spectroscopy, International Journal of Nanoscience and Nanotechnology, 2013/6/1.
95. M Zahedifar, M Farangi, MH Pakzamir, Gold catalytic Growth of Germanium Nanowires by chemical vapour deposition method, Journal of Nanostructures, 2013/3/1.
96. M Zahedifar, S Harooni, A new interactive thermoluminescence mixed-order glow curve deconvolution function, Radiation Effects and Defects in Solids, 2013/12/1.
97. M Zahedifar, E Sadeghi, Thermoluminescence dosimetry properties of new Cu doped CaF₂ nanoparticles, Radiation protection dosimetry, 2013/12/1.
98. Ehsan Sadeghi, Mostafa Zahedifar, Mohsen Mehrabi, Fabrication of LiF: Mg, Cu, P thermoluminescent dosimeter and investigation of the effect of copper impurity on its dosimetric features, Iranian Journal of Radiation Safety and Measurement, 2013/1/1.
99. EHSAN SADEGHI, MOSTAFA ZAHEDIFAR, SYNTHESIS OF CaF₂ DOPED WITH TL AND INVESTIGATION OF ITS DOSIMETRIC PROPERTIES, IRANIAN JOURNAL OF RADIATION SAFETY AND MEASUREMENT, 2013/1/1.
100. Mohsen Mehrabi, Mostafa Zahedifar, Soheila Hasanlu, Ehsan Sadeghi, Synthesis of nanocrystalline Li₂B₄O₇: Mg by combustion method and study their luminescence behavior, Iranian Journal of Radiation Safety and Measurement, 2013/1/1.
101. M. Zahedifar, E. Sadeghi, M.R. Mozdianfard, E. Habibi, Synthesis, characteristics and thermoluminescent dosimetry features of α -irradiated Ce doped CaF₂ nanophosphor, Applied Radiation and Isotopes, 2013 5 2.
102. HAMIDE GHIAM, MOSTAFA ZAHEDIFAR, EHSAN SADEGHI, ARCHEOLOGY DATING OF A POTTERY SAMPLE FROM AGHALA HISTORICAL ZONE BY USING THERMO LUMINESCENCE TECHNIQUE, IRANIAN NUCLEAR CONFERENCE, 2013.
103. M Zahedifar, E Sadeghi, Synthesis and thermoluminescence properties of CaF₂: Tm, Cenoparticles, Iranian Journal of Physics Research, 2013.

104. M Zahedifar, Z Chamanzadeh, Preparation and characterization of downconversion luminescent LaVO₄: Tm³⁺, Yb³⁺ and Tm³⁺/Yb³⁺ nanosheets, *Journal of Nanostructures*, 2012/3/1.
105. M Zahedifar, E Sadeghi, Synthesis and dosimetric properties of the novel thermoluminescent CaF₂: Tm nanoparticles, *Radiation Physics and Chemistry*, 2012/12/1.
106. M Zahedifar, E Sadeghi, S Harooni, Thermoluminescence characteristics of the novel CaF₂: Dy nanoparticles prepared by using the hydrothermal method, *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 2012/11/15.
107. M Zahedifar, L Eshraghi, E Sadeghi, Thermoluminescence kinetics analysis of α -Al₂O₃: C at different dose levels and populations of trapping states and a model for its dose response, *Radiation measurements*, 2012/10/1.
108. M. Zahedifar , E. Sadeghi , S. Harooni, Thermoluminescence characteristics of the novel CaF₂: Dy nanoparticles prepared by using the hydrothermal method, *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 2012 9 27.
109. M. Zahedifar , & E. Sadeghi, Synthesis and dosimetric properties of the novel thermoluminescent CaF₂: Tm nanoparticles, *Radiation Physics and Chemistry*, 2012 8 29.
110. M. Zahedifar , L. Eshraghi , E. Sadeghi, Thermoluminescence kinetics analysis of α -Al₂O₃: C at different dose levels and populations of trapping states and a model for its dose response, *Radiation Measurements*, 2012 8 14.
111. M. Zahedifar, L. Eshraghi, E. Sadeghi, Thermoluminescence kinetics analysis of α -Al₂O₃: C at different dose levels and populations of trapping states and a model for its dose response, *Radiation Measurements*, 2012 8 14.
112. M. Zahedifar , Z. Chamanzadeh , S.M. Hosseinpoor Mashkani, Synthesis of LaVO₄: Dy³⁺ luminescent nanostructure and optimization of its performance as down-converter in dye-sensitized solar cells, *Journal of Luminescence*, 2012 10 27.
113. M. Zahedifar , E. Sadeghi , Z. Mohebbi, Synthesis and thermoluminescence characteristics of Mn doped CaF₂ nanoparticles, *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 2012 1 4.
114. M. Zahedifa , S. Harooni , E. Sadeghi, Thermoluminescence kinetic analysis of quartz using an improved general order model for exponential distribution of activation energies, *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 2011 7 5.
115. M. Zahedifar , Mohsen Mehrabi , Somayeh Harooni, Synthesis of CaSO₄: Mn nanosheets with high thermoluminescence sensitivity, *Applied Radiation and Isotopes*, 2011 2 9.
116. M Zahedifar, M Jafarizadeh, E Sadeghi, H Shakhusi, The estimation of gamma dose in a mixed neutron-gamma radiation field using LiF: Mg, Ti (TLD-600) thermoluminescence dosimeter, *Journal of Nuclear Science and Technology*, 2011.
117. M. Zahedifar , & M. Mehrabi, Thermoluminescence and photoluminescence of cerium doped CaSO₄ nanosheets, *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms*, 2010 8 31.
118. Synthesis and thermoluminescence of boron-doped germanium nanowires, *Radiation Physics and Chemistry*, 2010 11 10.
119. M Zahedifar, P Rezaeian, A new model for thermoluminescence glow curve deconvolution function with exponential distribution of trapping states; Yek modele jadid baraye monhanie tabeshe termoluminesans ..., *CLASSICAL AND QUANTUM MECHANICS, GENERAL PHYSICS (S71)*, 2007/7/1.
120. M Zahedifar, MJ Kavianinia, M Ahmadi, Effect of population of trapping states on kinetic parameters of LiF: Mg, Cu, P (GR-200) using mixed and general order of kinetics, *Radiation measurements*, 2007/4/1.
121. Amirhasan Nourbakhsh, Bahram Ganjipour, Mostafa Zahedifar, Ezatollah Arzi, Morphology optimization of CCVD-synthesized multiwall carbon nanotubes, using statistical design of experiments, *Nanotechnology*, 2007/2/14.

122. M. Zahedifar , P. Rezaeian , S. Harooni, Thermoluminescence kinetic analysis of basaltic rocks using a generalized model for exponential distribution of activation energies, Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms, 2007 9 14.
123. S. Shafiee, A.H. Nourbakhsh, B. Ganjipour , M. Zahedifar and G.R. Vakili , & Nezhaad, Diameter optimization of VLS-synthesized ZnO nanowires, using statistical design of experiment, Nanotechnology, 2007 8 7.
124. M. Zahedifar , M.J. Kavianinia , M. Ahmadi, Effect of population of trapping states on kinetic Parameters of LiF:Mg,Ti (GR-200) using mixed and general order of kinetics, Radiation Measurements, 2007 2 20.
125. A. H. Nourbakhsh , B. Ganjipour , M. Zahedifar, Morphology optimization of CCVD-synthesized multiwall carbon nanotubes, using statistical design of experiment, Nanotechnology, 2007 2 14.
126. M. Zahedifar, L. Karimi, M.J. Kavianinia, Thermoluminescence general-order glow curve deconvolution function with continuous distribution of activation energies, Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006/8/1.
127. M. Zahedifar , L. Karimi , M. J. Kavianinia, Thermoluminescence general order glow curve deconvolution function with continuous distribution of activation energies, Nuclear instruments and methods in physics research A, 2006 4 18.
128. M. Zahedifar, Study on dosimetry peak and trapping parameters of CaF₂: Mn (TLD400) thermoluminescent dosimeter, osti.gov, 2003/7/1.
129. M.R. Eskandari , M. Mahdavi , M. Zahedifar, OPTIMAL CONDITIONS FOR MUON CYCLING IN INHOMOGENEOUS MEDIA, IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, 2001.
130. M.R. Eskandari, M. Zahedifar, M. Mahdavi, Energy gain evaluation for heavy ion fusion-fission reactor of ¹⁶O + ²⁰⁹Bi, ³²S + ¹⁸¹Ta and neutron rich projectile reaction of ³⁸S + ¹⁸¹Ta, Iranian Journal of Science and Technology. Transaction A, Science, 2000/7/1.
131. M.R. ESKANDARI, M. ZAHEDIFAR, M. MAHDAVI, ENERGY GAIN EVALUATION FOR HEAVY ION FUSION-FISSION REACTION OF ¹⁶O + ²⁰⁹BI, ³²S + ¹⁸¹TA AND NEUTRON RICH PROJECTILE REACTION OF ³⁸S + ¹⁸¹TA, IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION B-ENGINEERING, 2000/1/1.
132. M.R. Eskandari , M. Mahdavi , M. Zahedifar, Energy gain evaluation for heavy ion fusion-fission reactor of ¹⁶O + ²⁰⁹Bi, ³²S + ¹⁸¹Ta and neutron rich projectile reaction of ³⁸S + ¹⁸¹Ta, Iranian Journal of Science and Technology, 2000.
133. M.R. Eskandari, K.R. Shirazi, M. Zahedifar, Studies on Effects of CD~ 4 Molecules on Resonance Exchange and Energy Gain Enhancement of Muon Catalyzed DD Fusion, NUCLEAR SCIENCE JOURNAL-TAIPEI, 2000.
134. M.R. Eskandari, M. Zahedifar, Energy gain evaluation of fusion-fission reactions of heavy nucleus; Arzyabi-ye bahrevari-ye energi-ye vakonesh'ha-ye hamjush-e shekaf-e haste'ha-ye sangin, NUCLEAR PHYSICS AND RADIATION PHYSICS (S73), 1998/7/1.
135. M. Sohrabi, M. Jafarizadeh, M. Zahedifar, Analysis of kinetics and trapping parameters of LiF: Mg, Ti thermoluminescent dosimeters by general order model, Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998/11/21.
136. M. Sohrabi , M. Jafarizadeh , M. Zahedifar, Analysis of kinetics and trapping parameters of LiF : Mg, Ti thermoluminescent dosimeters by general order model, Nuclear Instruments and Methods in Physics Research A, 1998 12 9.
137. M. SOHRARI, M. Jafarizadeh, M. Zahedifar, Kinetic parameters of LiF: Mg, Ti thermoluminescent dosimeters, Radiation physics and chemistry (1993), 1998.
138. M.R. Eskandari, M. Zahedifar, G. Sheikh Khozani, Mathematics and Physics Optimal Condition for Pion Production in Double Target Conceptual Scheme for Muon Catalyzed, NUCLEAR SCIENCE JOURNAL-TAIPEI, 1998.

139. MR Eskandari, SN Hoseini Motlagh, M Zahedifar, Electron Screening Utilization Factor in dt Fusion Reaction at Low Energies for Different Distributions, NUCLEAR SCIENCE JOURNAL-TAIPEI, 1996.
140. M Zahedifar, H Sohrabi, Trapping parameters of CaF₂: Dy (TLD-200) used for environmental dosimetry, HIGH LEVELS OF NATURAL RADIATION, 1993/8/1.