



Faculty of Science
physics department

No.	Title	Authors	Title Journals	Impact Factor
1	Assessment of elemental and NROM/TENORM hazard potential from non-nuclear industries in North Sinai, Egypt	A. F. El-Mekawy & H. M. Badran & M. K. Seddeek & T. Sharshar & T. Elnimr	Environ Monit Assess (2015) 187: 583,ISSN: 0167-6369	١.٦٧٩
2	Studying the effect of nano lead compounds additives on the concrete shielding properties for c-rays	H.E. Hassan , H.M. Badran , A. Aydarous , T. Sharshar	Nuclear Instruments and Methods in Physics Research B 360 (2015) 81-89	١.١٢٤
3	Study of chemical bonding, physical and biological effect of metformin drug as an organized medicine for diabetes patients with chromium(III) and vanadium(IV) ions	Abdel Majid A. Adama, T. Sharshar , Mahmoud A. Mohamed , Omar B. Ibrahim , Moamen S. Refat	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 149 (2015) 323-332, ISSN: 1386-1425	٢.٣٥٣
4	The use of positron annihilation Doppler broadening spectroscopy in the characterization of radiochromic dosimetry films	N.T.S. Albogamy , T. Sharshar , A. Aydarous	Radiation Measurements 75 (2015) 1e5, ISSN: 1350-4487	١.٢١٣
5	Spectroscopic, Elemental And Thermal Analysis, And Positron Annihilation Studies On Ca(Ii), Sr(Ii), Ba(Ii), Pb(Ii), And Fe(Iii) Penicillin G Potassium Complexes	M. S. Refat and T. Sharshar	Journal of Applied Spectroscopy ISSN: 0021-9037, Vol. 82, No. 5, November, 2015 (Russian Original Vol. 82, No. 5, September–October, 2015)	٠.٤٧٦
6	Electrical conductivity and positron annihilation characteristics of ternary silicone rubber/carbon black/TiB2 nanocomposites	A.M. Ismail , K.R. Mahmoud , M.H. Abd-El Salam	Polymer Testing 48 (2015) 37e43, ISSN: 0142-9418	٢.٢٤٠



7	Positron annihilation life time studies of change sinfree volume on some biorelevant nitrogen heterocyclic compound sand their S-glycosylation	K.R. Mahmoud	Applied RadiationandIsotopes105(2015)303–307	١.٢٣١
8	FabricationandcharacterizationoflowcostCu ₂ O/ZnO:Al solarcells for sustainablephotovoltaicswithearthabundan tmaterials	Mahmoud Abdelfatah , JohannesLedig , Abdel hamid El-Shaer , Alexander Wagner , Vicente Marin-Borras , Azat Sharafeev , Peter Lemmens , Mohsen Mohamed Mosaad , Andreas Waag , Andrey Bakin	Solar Energy Materials &SolarCells145(2016)454–461, ISSN: 0927-0248	5.337
9	Fabrication and characterization of flexible solar cell from electrodeposited Cu ₂ O thin film on plastic substrate	Mahmoud Abdelfatah, Johannes Ledig , Abdelhamid El-Shaer , Alexander Wagner , Azat Sharafeev , Peter Lemmens , Mohsen Mohamed Mosaad , Andreas Waag , Andrey Bakin	Solar Energy 122 (2015) 1193–1198	٣.٤٦٩
10	Transport properties of Ti–Ni spinelferrites	M.R. Eraky , S.M.Attia	PhysicaB 462(2015) 97–103, ISSN: 0921-4526	١.٣١٩
11	Dielectric Properties in Co-Ti Doped CaSrM Hexaferrites	M. R. Eraky	<i>Journal of Applied Physics, Volume 7, Issue 6 Ver. I (Nov. - Dec. 2015), PP 71-76, ISSN: 0021-8979</i>	٢.١٨٣