

Syrian Miniature Spectrometer



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Since the early 1990s, miniaturized optical spectrometers based on a wide variety of designs and working principles have been demonstrated, with a range of operational spectral bands ...



Recent advancements in nanophotonics and computational techniques have contributed to new spectrometer designs characterized by miniaturization and enhanced performance. This ...



Measurement of neutron flux micro distribution within absorbing samples have been made using Dy and Au foils activated in cadmium filter for both thermal and epithermal regions, respectively.



Here, the authors present a miniature computational spectrometer based on silver nanoparticles in Fabry-Pérot microcavities for measuring visible spectra.



This spectrometer exhibits excellent reconstruction performance for narrowband signals with a minimum Full Width at Half Maximum (FWHM) of 2 nm in the range of 1400–1500 nm and ...



Direct photo-neutron source strength was dynamically evaluated for the miniature neutron source reactor (MNSR) in subcritical condition. Two different static methods were applied for ...



This Raman spectroscopic module integrates various Hamamatsu technologies, including our mini-spectrometers and compact optical system (excitation wavelength: 785 nm).



We are developing a miniature neutron -alpha activation spectrometer for in situ analysis of samples including rocks, fines, ices, and drill cores, suitable for a lander or Rover platform, that would meet ...



Self-shielding effect for highly absorbing material has been investigated for the purpose of activation analysis in the Syrian Miniature Neutron Source Reactor (MNSR).



Ultra compact miniature spectrometers and fiber-coupled mini spectrometers for portable applications in the 180 - 1700 nm range

Contact Us

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