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Turkish Journal	Determination of the Trapping Parameters of ZnS Thin Films Developed by Chemical Spraying Technique
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Keywords Authors	<u>Abstract:</u> In this study, the thermoluminescence (TL) glow curves of ZnS thin films developed using chemical spraying technique were carefully investigated and its kinetic parameters were determined with a specially developed computer program. The results of investigations have shown that the trapping states of ZnS thin films could not be analysed by a well-known Randall-Wilkins (RW) or General-Order (GO) models. A detailed investigation of experimental results has indicated that the trapping states have a form that is best described by a distribution of energies. After the comparison of the experimental glow curves of ZnS thin films with theoretically generated glow curves, it was found that the distribution of
@	traps is of an exponential type distribution.
phys@tubitak.gov.tr	Key Words: Thermoluminescence, Trapping Parameters, ZnS
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