

Kiril Petkov

List of Publications by Year in descending order

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29
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docs citations

29
times ranked

367
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoinduced changes in the linear and non-linear optical properties of chalcogenide glasses. Journal of Non-Crystalline Solids, 1999, 249, 150-159.	3.1	88
2	XPS analysis of thin chromium films. Surface and Interface Analysis, 1992, 18, 487-490.	1.8	32
3	Optical characterization of thin chalcogenide films by multiple-angle-of-incidence ellipsometry. Thin Solid Films, 2010, 518, 3280-3288.	1.8	28
4	Structural and optical characterization of Ag photo-doped thin As ₄₀ S ₆₀ Se _x films for non-linear applications. Journal of Optics (United Kingdom), 2010, 11, 011001.	1.8	26
5	XPS study of amorphous As ₂ S ₃ films deposited onto chromium layers. Surface and Interface Analysis, 1994, 22, 202-205.	1.8	20
6	Photo-induced changes in the optical properties of amorphous As-Ge-S thin films. Journal of Materials Science, 1994, 29, 468-472.	3.7	20
7	Light-induced changes in the optical properties of thin films of Ge _{1-x} Bi _x (Tl, In) chalcogenides. Journal of Non-Crystalline Solids, 2003, 326-327, 263-267.	3.1	19
8	Photo- and thermo-induced changes in the properties of thin amorphous As-S films. Journal of Materials Science, 1992, 27, 3281-3285.	3.7	18
9	Multilayer As ₂ Se ₃ /GeS ₂ quarter wave structures for photonic applications. Journal Physics D: Applied Physics, 2010, 43, 505103.	2.8	18
10	Optical properties and structure of thin films from the system GeSe ₂ -Sb ₂ Se ₃ -AgI. Journal of Non-Crystalline Solids, 2011, 357, 2669-2674.	3.1	17
11	Selective dissolution of thin As _x S _{100-x} films. Journal of Non-Crystalline Solids, 1988, 101, 37-40.	3.1	14
12	Changes in the physicochemical and optical properties of chalcogenide thin films from the systems As ₂ S ₃ and As ₂ S ₃ -TI. Journal of Materials Science, 2004, 39, 961-968.	3.7	14
13	Structure and optical properties of thin As ₂ S ₃ -In ₂ S ₃ films. Journal Physics D: Applied Physics, 2011, 44, 305401.	2.8	13
14	Optical properties and scanning probe microscopy study of some AgAsSSe amorphous films. Thin Solid Films, 2009, 517, 5943-5947.	1.8	11
15	X-ray microanalysis and optical properties of thin As _{1-x} Bi _x (Tl) films. Vacuum, 2000, 58, 321-326.	3.5	7
16	Synthesis, structure and optical properties of thin films from GeS ₂ -In ₂ S ₃ system deposited by thermal co-evaporation. Thin Solid Films, 2014, 558, 298-305.	1.8	7
17	Class forming region in the GeSe ₂ -GeTe-PbTe system and some physicochemical properties of glassy alloys. Journal of Non-Crystalline Solids, 2012, 358, 364-367.	3.1	6
18	Characteristics of thin chromium films obtained by different methods of deposition. Vacuum, 1984, 34, 1061-1065.	3.5	5

#	ARTICLE	IF	CITATIONS
19	Spectral properties of the silver photodoping process in thin As ² S ³ Se layers. Semiconductor Science and Technology, 2012, 27, 115014.	2.0	5
20	“All-dry” and in situ microstructuring of carbide/polyimide layers. Vacuum, 1997, 48, 63-67.	3.5	4
21	Compositional Dependence of the Optical Properties of Vacuum Evaporated Thin GeSe ₂ -GeTe-PbTe Films. Physics Procedia, 2013, 44, 130-141.	1.2	4
22	Structuring of polyimide-metal carbide layer systems by excimer laser ablation. Applied Surface Science, 1995, 86, 245-250.	6.1	2
23	Electrical conductivity, photoconductivity and gas sensitivity of Ge-Se-Te thin films. Journal of Physics: Conference Series, 2012, 398, 012058.	0.4	2
24	Photo- and Thermo-Induced Changes in Optical Constants and Structure of Thin Films from GeSe ₂ -GeTe-ZnTe System. Physics Procedia, 2013, 44, 142-150.	1.2	2
25	Electric charging influence in holograms of total internal reflection, recorded in a very thin chalcogenide film. Journal of Optics (United Kingdom), 2010, 12, 124008.	2.2	1
26	Auger-electron spectroscopy investigation of thin Ag-As-S-Se films. Journal of Physics: Conference Series, 2010, 223, 012040.	0.4	1
27	<title>Optical response of very thin As-Se films</title>. , 2006, , .		0
28	Dry etching of thin chalcogenide films. Journal of Physics: Conference Series, 2010, 223, 012011.	0.4	0
29	Optical and Holographic Characteristic of As-S-Se Thin Films. , 2010, , .		0