Virginie Nazabal

List of Publications by Year
in descending order

156 papers	4,000 citations	109321 35 h-index	155660 55 g-index
156 all docs	156 docs citations	156 times ranked	3071 citing authors

#	Article	IF	Citations
1	Prediction of fatty acids composition in the rainbow trout Oncorhynchus mykiss by using Raman micro-spectroscopy. Analytica Chimica Acta, 2022, 1191, 339212.	5.4	5
2	Amorphous Ge-Sb-Se-Te chalcogenide films fabrication for potential environmental sensing and nonlinear photonics. Journal of Materiomics, 2022, 8, 1009-1019.	5.7	7
3	Tailoring of Multisource Deposition Conditions towards Required Chemical Composition of Thin Films. Nanomaterials, 2022, 12, 1830.	4.1	1
4	(INVITED)Infrared luminescence of chalcogenide glasses doped with rare earth ions and their potential applications. Optical Materials: X, 2022, 15, 100168.	0.8	11
5	Toward Chalcogenide Platform Infrared Sensor Dedicated to the In Situ Detection of Aromatic Hydrocarbons in Natural Waters via an Attenuated Total Reflection Spectroscopy Study. Sensors, 2021, 21, 2449.	3.8	7
6	Study of the Ge20Te80-xSex glassy structures by combining solid state NMR, vibrational spectroscopies and DFT modelling. Journal of Solid State Chemistry, 2021, 297, 122062.	2.9	11
7	Surface composition and micromasking effect during the etching of amorphous Ge-Sb-Se thin films in SF6 and SF6/Ar plasmas. Applied Surface Science, 2021, 549, 149192.	6.1	5
8	Arsenic-Doped SnSe Thin Films Prepared by Pulsed Laser Deposition. ACS Omega, 2021, 6, 17483-17491.	3.5	6
9	Laser ablation of Gaâ€Sbâ€Te thin films monitored with quadrupole ion trap timeâ€ofâ€flight mass spectrometry. Journal of the American Ceramic Society, 2021, 104, 6643.	3.8	0
10	Radio-frequency magnetron co-sputtered Ge-Sb-Te phase change thin films. Journal of Non-Crystalline Solids, 2021, 569, 121003.	3.1	1
11	Dy3+ doped GaGeSbSe fiber long-wave infrared emission. Journal of Luminescence, 2020, 218, 116853.	3.1	20
12	Anodic bonding of mid-infrared transparent germanate glasses for high pressure - high temperature microfluidic applications. Science and Technology of Advanced Materials, 2020, 21, 11-24.	6.1	3
13	Nonlinear Self-Confined Plasmonic Beams: Experimental Proof. ACS Photonics, 2020, 7, 2562-2570.	6.6	4
14	Comparative study of Er3+-doped Ga-Ge-Sb-S thin films fabricated by sputtering and pulsed laser deposition. Scientific Reports, 2020, 10, 7997.	3.3	11
15	Design of a Multimode Interferometer-Based Mid-Infrared Multispecies Gas Sensor. IEEE Sensors Journal, 2020, 20, 13426-13435.	4.7	12
16	Deformation of a chalcogenide glass film under optical modulated excitation. Journal of Non-Crystalline Solids, 2020, 535, 119962.	3.1	2
17	Etching of GeSe₂ chalcogenide glass and its pulsed laser deposited thin films in SF₆, SF₆/Ar and SF₆/O₂ plasmas. Plasma Sources Science and Technology, 2020, 29, 105006.	3.1	4
18	Co-sputtered Pr³⁺-doped Ga-Ge-Sb-Se active waveguides for mid-infrared operation. Optics Express, 2020, 28, 22511.	3.4	8

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19	Linear and nonlinear optical properties of co-sputtered Ge-Sb-Se amorphous thin films. Optics Letters, 2020, 45, 1523.	3.3	7
20	GaTeâ€“Sb2Te3 thin-films phase change characteristics. Optics Letters, 2020, 45, 1067.	3.3	6
21	Amorphous Gaâ€“Sbâ€“Se thin films fabricated by co-sputtering. Optics Letters, 2020, 45, 29.	3.3	3
22	Self-phase modulation and four-wave mixing in a chalcogenide ridge waveguide. Optical Materials Express, 2020, 10, 1440.	3.0	9
23	Radio-frequency sputtering fabrication of chalcogenide-based Er3+-doped vertical optical cavities for near-infrared operation. Optical Materials Express, 2020, 10, 2500.	3.0	1
24	Mass spectrometric investigation of amorphous Ga-Sb-Se thin films. Scientific Reports, 2019, 9, 10213.	3.3	9
25	All-optical carbon dioxide remote sensing using rare earth doped chalcogenide fibers. Optics and Lasers in Engineering, 2019, 122, 328-334.	3.8	22
26	Long-Wave IR Luminescence of Tb3+ and Sm3+ doped Ga5Ge20Sb10Se65 Fibers. , 2019, , .		0
27	Comparison of Clusters Produced from Sb₂Se₃ Homemade Polycrystalline Material, Thin Films, and Commercial Polycrystalline Bulk Using Laser Desorption Ionization with Time of Flight Quadrupole Ion Trap Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2019, 30, 2756-2761.	2.8	3
28	Ge-Sb-Te Chalcogenide Thin Films Deposited by Nanosecond, Picosecond, and Femtosecond Laser Ablation. Nanomaterials, 2019, 9, 676.	4.1	16
29	Laser desorption ionization time-of-flight mass spectrometry of Ge Se1 chalcogenide glasses, their thin films, and Ge:Se mixtures. Journal of Non-Crystalline Solids, 2019, 509, 65-73.	3.1	5
30	Amorphous Ge-Bi-Se Thin Films: A Mass Spectrometric Study. Scientific Reports, 2019, 9, 19168.	3.3	5
31	The structure of near stoichiometric Ge-Ga-Sb-S glasses: A reverse Monte Carlo study. Journal of Non-Crystalline Solids, 2019, 505, 340-346.	3.1	7
32	Atomic level structure of Ge-Sb-S glasses: Chemical short range order and long Sb-S bonds. Journal of Alloys and Compounds, 2019, 774, 1009-1016.	5.5	19
33	Amorphous Thin Film Deposition. Springer Handbooks, 2019, , 1293-1332.	0.6	3
34	Xâ€ray photoelectron spectroscopy analysis of Geâ€“Sbâ€“Se pulsed laser deposited thin films. Journal of the American Ceramic Society, 2018, 101, 3347-3356.	3.8	8
35	Chemical order in Ge-Ga-Sb-Se glasses. Journal of Non-Crystalline Solids, 2018, 484, 49-56.	3.1	11
36	Amorphous Geâ€Sbâ€Se thin films fabricated by coâ€sputtering: Properties and photosensitivity. Journal of the American Ceramic Society, 2018, 101, 2877-2887.	3.8	23

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37	Ge-free chalcogenide glasses based on Ga-Sb-Se and their stabilization by iodine incorporation. Journal of Non-Crystalline Solids, 2018, 481, 543-547.	3.1	9
38	Mid-infrared guided photoluminescence from integrated Pr3+-doped selenide ridge waveguides. Optical Materials, 2018, 75, 109-115.	3.6	23
39	Analysis of pulsed laser deposited amorphous chalcogenide film thickness distribution: Plume deflection angle dependence. Journal of Non-Crystalline Solids, 2018, 481, 409-411.	3.1	2
40	Infrared-Sensor Based on Selenide Waveguide Devoted to Water Pollution. , 2018, , .		0
41	Tb³⁺ doped Ga₅Ge₂₀Sb₁₀Se_{65-x}Te_x (x = 0-375) chalcogenide glasses and fibers for MWIR and LWIR emissions. Optical Materials Express, 2018, 8, 2887.	3.0	36
42	Nd³⁺:Ga-Ge-Sb-S glasses and fibers for luminescence in mid-IR: synthesis, structural characterization and rare earth spectroscopy. Optical Materials Express, 2018, 8, 1650.	3.0	26
43	8â€‰â€‰Î¼m luminescence from a Tb³⁺ GaGeSbSe fiber. Optics Letters, 2018, 43, 1211.	3.3	28
44	Chemical order in Ga or Sb modified germanium sulfide glasses around stoichiometry: High-resolution XPS and Raman studies. Journal of Non-Crystalline Solids, 2018, 499, 237-244.	3.1	14
45	Co-doped Dy³⁺ and Pr³⁺ Ga₅Ge₂₀Sb₁₀S₆₅ fibers for mid-infrared broad emission. Optics Letters, 2018, 43, 2893.	3.3	27
46	7 to 8 Âµm emission from Sm³⁺ doped selenide fibers. Optics Express, 2018, 26, 26462.	3.4	25
47	Full-vector finite element 3D model for waveguide-based plasmonic sensors in the infrared. , 2018, , .		1
48	Infrared sulfide fibers for all-optical gas detection. , 2018, , .		0
49	Development of integrated platform based on chalcogenides for sensing applications in the mid-infrared. , 2018, , .		0
50	Rare-earth-doped chalcogenide glasses for mid-IR gas sensor applications. , 2017, , .		5
51	Co-sputtered amorphous Ge-Sb-Se thin films: optical properties and structure. , 2017, , .		1
52	Infrared sensor for water pollution and monitoring. Proceedings of SPIE, 2017, , .	0.8	0
53	Laser Desorption Ionization of As₂Ch₃ (Ch = S, Se, and Te) Chalcogenides Using Quadrupole Ion Trap Time-of-Flight Mass Spectrometry: A Comparative Study. Journal of the American Society for Mass Spectrometry, 2017, 28, 2569-2579.	2.8	9
54	Experimental design approach for deposition optimization of RF sputtered chalcogenide thin films devoted to environmental optical sensors. Scientific Reports, 2017, 7, 3500.	3.3	38

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55	Measurement of ultrafast optical Kerr effect of Geâ€“Sbâ€“Se chalcogenide slab waveguides by the beam self-trapping technique. Optics Communications, 2017, 403, 352-357.	2.1	28
56	Development of an evanescent optical integrated sensor in the mid-infrared for detection of pollution in groundwater or seawater. International Journal of Higher Education Management, 2017, 3, 23-29.	1.3	22
57	Laser ablation of (GeSe 2) 100â^'x (Sb 2 Se 3) x chalcogenide glasses: Influence of the target composition on the plasma plume dynamics. Applied Surface Science, 2017, 418, 594-600.	6.1	22
58	Theoretical study of an evanescent optical integrated sensor for multipurpose detection of gases and liquids in the Mid-Infrared. Sensors and Actuators B: Chemical, 2017, 242, 842-848.	7.8	56
59	Design of praseodymium-doped chalcogenide micro-disk emitting at 47 Âµm. Optics Express, 2017, 25, 7014.	3.4	45
60	Photostability of pulsed-laser-deposited As_xTe_100-x (x=40, 50, 60) amorphous thin films. Optics Letters, 2017, 42, 1660.	3.3	6
61	Chalcogenide waveguide for sensing applications in the mid-infrared. , 2017, , .		0
62	Optical characterization at 77 Âµm of an integrated platform based on chalcogenide waveguides for sensing applications in the mid-infrared. Optics Express, 2016, 24, 23109.	3.4	84
63	Structural analysis of RF sputtered Ge-Sb-Se thin films by Raman and X-ray photoelectron spectroscopies. Journal of Non-Crystalline Solids, 2016, 444, 64-72.	3.1	38
64	Luminescence at 2.8Âμm: Er3+-doped chalcogenide micro-waveguide. Optical Materials, 2016, 58, 390-397.	3.6	23
65	Chemical Short-Range Order in Selenide and Telluride Glasses. Journal of Physical Chemistry B, 2016, 120, 9204-9214.	2.6	29
66	Selenide sputtered films development for MIR environmental sensor. Optical Materials Express, 2016, 6, 2616.	3.0	33
67	IR emitting Dy 3+ doped chalcogenide fibers for in situ CO 2 monitoring in high pressure microsystems. International Journal of Greenhouse Gas Control, 2016, 55, 36-41.	4.6	30
68	Laser Desorption Ionization Timeâ€ofâ€Flight Mass Spectrometry of Glasses and Amorphous Films from Geâ€“Asâ€“Se System. Journal of the American Ceramic Society, 2016, 99, 3594-3599.	3.8	4
69	Pulsed laser deposited GeTe-rich GeTe-Sb2Te3 thin films. Scientific Reports, 2016, 6, 26552.	3.3	30
70	Design of rare-earth doped chalcogenide microresonators for biosensing in Mid-IR. , 2016, , .		1
71	Dy3+ doped GeGaSbS fluorescent fiber at 4.4Âμm for optical gas sensing: Comparison of simulation and experiment. Optical Materials, 2016, 61, 37-44.	3.6	27
72	Photonic bandgap amorphous chalcogenide thin films with multilayered structure grown by pulsed laser deposition method. Optoelectronics Letters, 2016, 12, 199-202.	0.8	4

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73	Local motifs in GeS2â€“Ga2S3 glasses. Journal of Alloys and Compounds, 2016, 673, 149-157.	5.5	27
74	Fiber evanescent wave spectroscopy based on IR fluorescent chalcogenide fibers. Sensors and Actuators B: Chemical, 2016, 229, 209-216.	7.8	49
75	Effect of rare-earth doping on the free-volume structure of Ga-modified Te₂₀As₃₀Se₅₀glass. RSC Advances, 2016, 6, 22797-22802.	3.6	8
76	Pulsed laser deposited alumina thin films. Ceramics International, 2016, 42, 1177-1182.	4.8	148
77	Chalcogenide Glasses for Infrared Photonics. International Journal of Applied Glass Science, 2015, 6, 287-294.	2.0	48
78	Laser Desorption Ionisation Timeâ€ofâ€Flight Mass Spectrometry of Chalcogenide Glasses from (GeSe₂)_{100âˆ'<i>x</i>}(Sb₂Se₃)_{<i>x</i>} System. Journal of the American Ceramic Society, 2015, 98, 4107-4110.	3.8	8
79	Ga-modified As2Se3â€“Te glasses for active applications in IR photonics. Optical Materials, 2015, 46, 228-232.	3.6	25
80	Wavelength conversion in Er^3+ doped chalcogenide fibers for optical gas sensors. Optics Express, 2015, 23, 4163.	3.4	26
81	Photosensitivity of pulsed laser deposited Ge-Sb-Se thin films. Optical Materials Express, 2015, 5, 781.	3.0	37
82	Photostability of pulsed laser deposited amorphous thin films from Ge-As-Te system. Scientific Reports, 2015, 5, 9310.	3.3	15
83	Study of Ga incorporation in glassy arsenic selenides by high-resolution XPS and EXAFS. Journal of Chemical Physics, 2015, 142, 184501.	3.0	17
84	Short range order in Ge-Ga-Se glasses. Journal of Alloys and Compounds, 2015, 651, 578-584.	5.5	16
85	Network Rearrangement in AgIâ€Doped GeTe₄ Glasses. Journal of the American Ceramic Society, 2015, 98, 1034-1039.	3.8	23
86	Mid-IR optical sensor for CO2 detection based on fluorescence absorbance of Dy3+:Ga5Ge20Sb10S65 fibers. Sensors and Actuators B: Chemical, 2015, 207, 518-525.	7.8	107
87	Chalcogenide optical fibers for mid-infrared sensing: State of the art, future strategies. , 2014, , .		1
88	Structure, nonlinear properties, and photosensitivity of (GeSe_2)_100-x(Sb_2Se_3)_x glasses. Optical Materials Express, 2014, 4, 525.	3.0	83
89	Accurate Determination of Optical Functions of <scp><scp>Ge</scp></scp>â€“<scp><scp>As</scp></scp>â€“<scp><scp>Te</scp></scp> Glasses via Spectroscopic Ellipsometry. Journal of the American Ceramic Society, 2014, 97, 3044-3047.	3.8	13
90	Laser desorption ionization timeâ€ofâ€flight mass spectrometry of erbiumâ€doped Gaâ€Geâ€Sbâ€S glasses. Rapid Communications in Mass Spectrometry, 2014, 28, 1221-1232.	1.5	16

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91	Chalcogenide optical fibers for mid-infrared sensing. Optical Engineering, 2014, 53, 027101.	1.0	53
92	Effect of Ga incorporation in the As30Se50Te20 glass. Journal of Non-Crystalline Solids, 2014, 398-399, 19-25.	3.1	17
93	71Ga NMR in chalcogenide and chalco-halide glasses. Journal of Non-Crystalline Solids, 2014, 383, 216-221.	3.1	7
94	Pulsed laser deposition of rare-earth-doped gallium lanthanum sulphide chalcogenide glass thin films. Applied Physics A: Materials Science and Processing, 2014, 117, 197-205.	2.3	14
95	Optical properties of (GeSe2)100â˜(Sb2Se3) glasses in near- and middle-infrared spectral regions. Materials Research Bulletin, 2014, 51, 176-179.	5.2	54
96	Second harmonic generation in chalcogenide glasses. , 2014, , 509-561.		4
97	Plasma diagnostics in pulsed laser deposition of GaLaS chalcogenides. Applied Surface Science, 2013, 278, 352-356.	6.1	17
98	Gaâ€“Geâ€“Te amorphous thin films fabricated by pulsed laser deposition. Thin Solid Films, 2013, 531, 454-459.	1.8	13
99	Mid-IR luminescence of Dy3+ and Pr3+ doped Ga5Ge20Sb10S(Se)65 bulk glasses and fibers. Materials Letters, 2013, 101, 21-24.	2.6	61
100	Pulsed laser deposited amorphous chalcogenide and alumino-silicate thin films and their multilayered structures for photonic applications. Thin Solid Films, 2013, 539, 226-232.	1.8	17
101	Photosensitivity of pulsed laser deposited Ge20As20Se60 and Ge10As30Se60 amorphous thin films. Materials Research Bulletin, 2013, 48, 3860-3864.	5.2	6
102	Spectroscopic study and Juddâ€“Ofelt analysis of Pr^3+-doped Zrâ€“Baâ€“Laâ€“Al glasses in visible spectral range. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 2032.	2.1	19
103	RF sputtered amorphous chalcogenide thin films for surface enhanced infrared absorption spectroscopy. Optical Materials Express, 2013, 3, 2112.	3.0	50
104	From Selenium- to Tellurium-Based Glass Optical Fibers for Infrared Spectroscopies. Molecules, 2013, 18, 5373-5388.	3.8	70
105	Development of Praseodymium doped fluoride waveguide. , 2012, , .		2
106	Optical amplification of Pr^3+-doped ZBLA channel waveguides for visible Laser emission. Optics Express, 2012, 20, 25064.	3.4	15
107	Amorphous and crystallized Geâ€“Sbâ€“Te thin films deposited by pulsed laser: Local structure using Raman scattering spectroscopy. Materials Chemistry and Physics, 2012, 136, 935-941.	4.0	104
108	Evanescent wave optical micro-sensor based on chalcogenide glass. Sensors and Actuators B: Chemical, 2012, 173, 468-476.	7.8	74

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109	Low-power plasmonâ€“soliton in realistic nonlinear planar structures. Optics Letters, 2012, 37, 4579.	3.3	19
110	Hybrid nanoparticleâ€“microcavity-based plasmonic nanosensors with improved detection resolution and extended remote-sensing ability. Nature Communications, 2012, 3, 1108.	12.8	215
111	Four wave mixing in silicon hybrid and silicon heterogeneous micro photonic structures. Proceedings of SPIE, 2012, , .	0.8	4
112	Fluoride and oxyfluoride glasses for optical applications. Journal of Fluorine Chemistry, 2012, 134, 18-23.	1.7	75
113	Optical amplification of Pr3+-doped ZBLA channel waveguides for visible Laser emission. , 2012, , .		0
114	Optical amplification of Pr3+-doped ZBLA channel waveguides for visible Laser emission. , 2012, , .		0
115	Aging process of photosensitive chalcogenide films deposited by electron beam deposition. Journal of Alloys and Compounds, 2011, 509, 7330-7336.	5.5	20
116	Sputtering and Pulsed Laser Deposition for Near- and Mid-Infrared Applications: A Comparative Study of Ge25Sb10S65 and Ge25Sb10Se65 Amorphous Thin Films. International Journal of Applied Ceramic Technology, 2011, 8, 990-1000.	2.1	53
117	Pr3+-doped ZBLA fluoride glasses for visible laser emission. Optical Materials, 2011, 33, 980-984.	3.6	28
118	Optical characteristics of pulsed laser deposited Geâ€“Sbâ€“Te thin films studied by spectroscopic ellipsometry. Journal of Applied Physics, 2011, 109, .	2.5	41
119	Amorphous Tm3+ doped sulfide thin films fabricated by sputtering. Optical Materials, 2010, 33, 220-226.	3.6	19
120	Theoretical study of cascade laser in erbium-doped chalcogenide glass fibers. Optical Materials, 2010, 33, 241-245.	3.6	35
121	Optical waveguide based on amorphous Er3+-doped Gaâ€“Geâ€“Sbâ€“S(Se) pulsed laser deposited thin films. Thin Solid Films, 2010, 518, 4941-4947.	1.8	61
122	Photo-stability of pulsed laser deposited Ge_xAs_ySe_100-x-y amorphous thin films. Optics Express, 2010, 18, 22944.	3.4	55
123	Kerr spatial solitons in chalcogenide waveguides. , 2009, , .		0
124	Photoinduced effects in thin films of Te20As30Se50 glass with nonlinear characterization. Applied Physics Letters, 2009, 94, .	3.3	30
125	Chalcogenide Glass Optical Waveguides for Infrared Biosensing. Sensors, 2009, 9, 7398-7411.	3.8	135
126	Galliumâ€“lanthanumâ€“sulphide amorphous thin films prepared by pulsed laser deposition. Materials Chemistry and Physics, 2009, 117, 23-25.	4.0	8

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127	Processing and characterization of new passive and active oxysulfide glasses in the Geâ€“Gaâ€“Sbâ€“Sâ€“O system. Journal of Solid State Chemistry, 2009, 182, 2646-2655.	2.9	9
128	Simulation of mid-IR amplification in Er3+-doped chalcogenide microstructured optical fiber. Optical Materials, 2009, 31, 1292-1295.	3.6	24
129	Spectroscopy of infrared transitions of Pr3+ ions in Gaâ€“Geâ€“Sbâ€“Se glasses. Journal of Luminescence, 2009, 129, 1148-1153.	3.1	30
130	Upconversion luminescence of transparent Er3+-doped chalcohalide glassâ€“ceramics. Optical Materials, 2009, 31, 760-764.	3.6	68
131	Laser ablation of AsxSe100âˆ’x chalcogenide glasses: Plume investigations. Applied Surface Science, 2009, 255, 5307-5311.	6.1	23
132	Kerr spatial solitons in chalcogenide waveguides. Optics Letters, 2009, 34, 1804.	3.3	27
133	Erbium-doped germanium-based sulphide optical waveguide amplifier for near- and mid-IR. , 2009, , .		6
134	Geâ€“Sbâ€“Te thin films deposited by pulsed laser: An ellipsometry and Raman scattering spectroscopy study. Journal of Applied Physics, 2009, 106, .	2.5	89
135	Photoinduced phenomena in amorphous As4Se3 pulsed laser deposited thin films studied by spectroscopic ellipsometry. Journal of Applied Physics, 2009, 106, 023509.	2.5	26
136	CO2 Detection Using Microstructured Chalcogenide Fibers. Sensor Letters, 2009, 7, 745-749.	0.4	39
137	Photosensitive post tuning of chalcogenide Te20As30Se50 narrow bandpass filters. Optics Communications, 2008, 281, 3726-3731.	2.1	16
138	Er3+-doped GeGaSbS glasses for mid-IR fibre laser application: Synthesis and rare earth spectroscopy. Optical Materials, 2008, 31, 39-46.	3.6	131
139	Synthesis and characterization of chalcogenide glasses from the system Gaâ€“Geâ€“Sbâ€“S and preparation of a single-mode fiber at 1.55Î¼m. Materials Research Bulletin, 2008, 43, 976-982.	5.2	45
140	Optical and structural properties of new chalcohalide glasses. Journal of Non-Crystalline Solids, 2008, 354, 1322-1326.	3.1	22
141	Chalcogenide coatings of Ge_15Sb_20S_65 and Te_20As_30Se_50. Applied Optics, 2008, 47, C114.	2.1	38
142	Light trimming of a narrow bandpass filter based on a photosensitive chalcogenide spacer. Optics Express, 2008, 16, 373.	3.4	21
143	Sulphide GaxGe25âˆ’xSb10S65(x=,5) sputtered films: Fabrication and optical characterizations of planar and rib optical waveguides. Journal of Applied Physics, 2008, 104, .	2.5	26
144	Chalcogenide waveguide for IR optical range. , 2007, , .		5

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145	Chalcogenide Glasses Based on Germanium Disulfide for Second Harmonic Generation. Advanced Functional Materials, 2007, 17, 3284-3294.	14.9	54
146	Crystalline phase responsible for the permanent second-harmonic generation in chalcogenide glass-ceramics. Optical Materials, 2007, 30, 338-345.	3.6	29
147	Relaxation properties of rare-earth ions in sulfide glasses: Experiment and theory. Physical Review B, 2006, 74, .	3.2	20
148	Optical properties of thulium-doped chalcogenide glasses and the uncertainty of the calculated radiative lifetimes using the Judd-Ofelt approach. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 2588.	2.1	17
149	High second-order nonlinear susceptibility induced in chalcogenide glasses by thermal poling. Optics Express, 2006, 14, 1524.	3.4	36
150	Dysprosium doped amorphous chalcogenide films prepared by pulsed laser deposition. Optical Materials, 2006, 29, 273-278.	3.6	33
151	Photo-excited desorption of multi-component systems: Application to chalcogenide glasses. Applied Surface Science, 2005, 248, 224-230.	6.1	6
152	Synthesis and characterization of GeS2Ga2S3MCl2 (, Cd) chalcohalide glasses. Solid State Sciences, 2005, 7, 303-309.	3.2	6
153	Propagation losses and gain measurements in erbium-doped fluoride glass channel waveguides by use of a double-pass technique. Applied Optics, 2005, 44, 4678.	2.1	9
154	Second-harmonic generation of thermally poled chalcogenide glass. Optics Express, 2005, 13, 789.	3.4	55
155	Thermally poled new borate glasses for second harmonic generation. Journal of Non-Crystalline Solids, 2001, 290, 73-85.	3.1	27
156	Germaniumâ€antimonyâ€seleniumâ€tellurium thin films: Clusters formation by laser ablation and comparison with clusters from mixtures of elements. Journal of the American Ceramic Society, 0, , .	3.8	0