
LIST OF SYMBOLS

A	Area of the laser beam spot
α	Absorption coefficient
A_l	Absorbance of the lens
α_σ	Absorption coefficient of the substrate
A_w	Absorbance of the window
B	Peak breadth
c	Speed of light
d	Film thickness
ΔE	Energy width of the particles scattered at the front and back surfaces
d_{hkl}	Lattice interplanar distance
E_{gap}	Band gap energy
E_g^i	Indirect band gap energy
E_L	Laser energy
E_{Ll}	Laser energy behind the lens
E_{Lw}	Laser energy behind the window
$[\varepsilon_0]$	Surface approximation for the stopping cross section factor
f	Focal distance
F	Laser fluence
$\Phi_{\rho A}$	Argon flow rate
Φ_{2H}	Hydrogen flow rate
H	Magnetic field
h	Planck's constant
$h\nu$	Photon energy
(hkl)	Miller indices of a lattice plane
I	Current
k	Extinction coefficient

λ	Wavelength
μ	Mobility
μ_B	Bohr's magnetron
M	Magnetization
M	Number of oscillations between two extrema
M_S	Saturation magnetization
n	Carrier density
N	Atomic density
n	Refractive index
n_0	Refractive index of the air
n_s	Refractive index of the substrate
P_{Ar}	Argon partial pressure
P_{O_2}	Oxygen partial pressure
P_T	Total pressure
θ	Incidence angle
ρ	Resistivity
R	Reflectance
R	Electrical resistance
R_{xy}	Hall resistivity
T	Optical transmission
T_C	Curie temperature
T_M	Maximum transmittance
T_m	Minimum transmittance
T_s	Substrate temperature
$\langle t \rangle$	Average crystallite size
V	Voltage