

Materials List for:

Implementation of a Nonlinear Microscope Based on Stimulated Raman Scattering

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Materials

Name	Company	Catalog Number	Comments
Acquisition tool	Nikon	Nikon C2Tool	Acquisition supported tool
APE Pulse link control software	APE-	APE Pulse link control software	software control
Autocorrelator	APE	APE PulseCheck USB 50	Autocorrelator
Detector	Thorlabs	Thorlabs DET10A	Photodiode
Detector card	Thorlabs	Thorlabs VRC	IR detector Card
Dichroic mirror	Semrock	Semrock FF875-Di01-25X36	Dichroic mirror
Dichroic mirror	Semrock	FF875-Di01-25x36	Dichroic mirror
EOM	Conoptics	(EOM CONOPTICS 3350-160 KD*P).	Pockels cell
Fast detector	Thorlabs	Thorlabs DET025AL/M	Photodiode
Fast mirror scanning unit	Nikon	C2	Microscope scanning head
Femtosecond laser Ti:SA	Coherent	Coherent Chameleon Ultra II	Chameleon Ultra II
Function generator	TTi	TG5011 AIM – TTi	Function generator
Inverted optical microscope	Nikon	Eclipse TE-2000-E, Nikon	Eclipse TE-2000-E, Nikon
Lock-in Amplifier	Stanford Research System	SR844-200 MHz dual phase	A lock-in amplifier from Stanford Research Systems
Notch filter,	Semrock	NF03-808E-25	Notch filter
Optical delay line	Newport	Newport M-ILS200CC	Tunable optical delay line
Optical Parametric Oscillator	Coherent	Coherent Compact OPO	Coherent Compact OPO
Oscilloscope	WaveRunner	640Zi 4GHz OSC/LeCroy	Digital Oscilloscope
PCI Card	National instrument	NI PCIe 6363	Data acquisition card
Position Sensors Detectors	Newport	Newport Conex PSD9	Position detector sensor
Power meter head	Coherent	PowerMax PM10,	Laser power detector
Translation Stages	Thorlabs	Thorlabs PT1/M	Meachanical Translation Stage with Standard Micrometer