

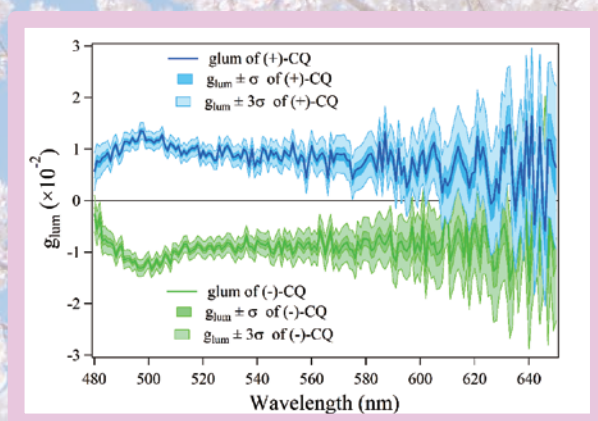
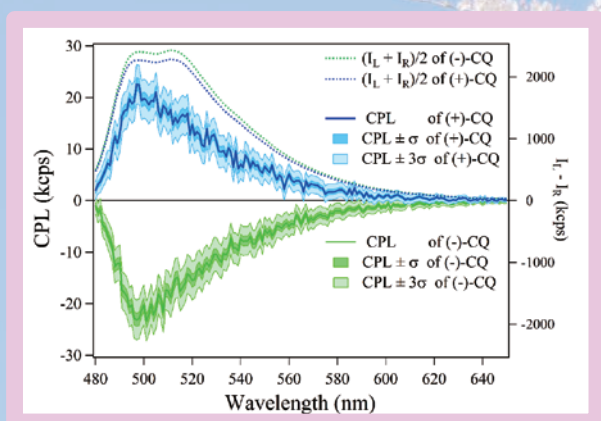
Affordable yet high-performance CPL Spectrophotometer

CirCLa

CirCuLarly Polarized Luminescence Spectrophotometer Based on a Photon Counting Method



- ◆ 180° Configuration Enables Measurements of Solution/Films
- ◆ Direct Calculation of dissymmetry factors, $g(\text{lum})$ and Noise Level by photon-counting Acquisition Synchronized with PEM
- ◆ Selection of Excitation Wavelength by Xe Lamp + High-Performance Bandpass Filters



Example / CQ: Camphorquinone in ethanol, Exc. Wavelength: 375±25 nm

Specifications

Measurement Method	2 ch. Photon-Counting Synchronized with PEM
Photoelastic Modulator (PEM)	50 kHz. made by HINDS Instruments
Optical Configuration	180° Excitation
Measurable Samples	Solution, Transparent Film
Excitation Light Source	150 W Xenon Lamp
Exc. Wavelength Selection	Bandpass Filters in Motorized Filter Wheel (select up to 5 wavelengths at the time of purchase) (additional filters available, one-touch exchange)
Emission Monochromator	Grating-Based Czerny-Turner Type
Detector	Photon-Counting Photomultiplier
Measurement wavelength	280-800 nm
Wavelength step	0.1 nm to 20 nm
Spectral resolution	1 ~ 36 nm (by Manual Slits)
Sample Temp. Control	Available as Option
Software	Simple GUI and easy to use, Direct and automatic calculation of g(lum), Calculation of Noise Level

