液晶技術

編號	姓名	論文題目
PT-01	史拉席 (Harry)	Enhancing efficiency of zone plate with high aspect ratio nanowalls structure and liquid crystal
PT-02	吳昱賢	Diffractive lasing emissions from photoaligned cholesteric liquid crystals
PT-03	吳駿霆	Smart Windows with Multistable Dynamic Scattering Modes Based on Ion-Doped Cholesteric Liquid Crystals
PT-04	呂旻翰	Thermally adaptable and electrically adjustable polymer-stabilized cholesteric liquid crystal smart windows free of surface orientation treatment
PT-05	杜祐笙	Combining photochromic materials with semiconductor components to create organic field-effect transistors
PT-06	林怡瑄	Optoelectronic properties of liquid crystals integrated with electrochromic materials for smart dimming applications
PT-07	柯亭君	Optimizing the Electro-Optical Performance of Polymer-Stabilized Cholesteric Liquid Crystal Displays for Enhanced Active Matrix Driving Efficiency
PT-08	徐悰康	Multifunctional polymer-stabilized chiral nematic smart window utilizing dual-frequency liquid crystal and thermoresponsive handedness-reversible chiral dopant
PT-09	張大龍	Bilayer Liquid Crystal Elastomers Fabricated Through Polymer Network Pemplating
PT-10	張恩豪	Formation and optical analysis of uniform lying helix structures in cholesteric liquid crystals with frequency-
PT-11	張嘉桐	Biotransduction of protein and immunoassays via haze measurement in nematic and chromonic liquid crystal
PT-12	曹嘉宇	Advanced Optical Modulation in Blue Phase Liquid Crystals via Spatially Patterned Dual Alignments
PT-13	陳冠龍	A Novel Approach Based on Liquid Crystal Polarization Grating for Investigating Circular Dichroism and Phase Transition within Cholesteric Liquid Crystals
PT-14	陳勁宇	Broadening of Total Reflection in Cholesteric Liquid Crystals Under Inclined Incidence
PT-15	彭天泓	A novel cholesteric liquid crystal biosensor for high-sensitivity and label-free detection using haze measurement
PT-16	劉少均	Direct Ink Printing Liquid Crystal Elastomers
PT-17	蔡宗洲	Smart windows using dye-doped dual-frequency liquid crystals with in-plane switching for passive and active adjustability

PT-18	蔡宗瀚	染料摻雜和染料浸泡之手性向列型彈性體薄膜雷射
PT-19	蔡秉宸	Reflective Liquid Crystal Phase Shifter: A Key Technology for 5G and 6G Co mmunications
PT-20	萧至均	Electro-optic and temperature effects of a liquid-crystal defect layer in a one-dimensional photonic/liquid-crystal structure for near-infrared applications
PT-21	賴致成	Optically Tunable Large-Aperture Liquid Crystal Lenses Featuring 3D Electrode Structures
PT-22	顏宏勲	Low speckle laser projectors using liquid crystal microlens arrays
PT-23	魏沛晴	Fast switching and wide viewing angles of IPS-LCDs for augmented reality application
PT-24	蘇品叡	Design of a High-Performance 3.5GHz Liquid Crystal Phase Shifter Based on Liquid Crystal Technology
PT-25	顧庭瑋	Orthogonal Circular Polarized Lasing Emissions in a Polymer-Stabilized Cholesteric Liquid Crystal with a Bilayer Helical Structure