Supporting Information

Probing the Chirality and Optical Activity of Organic Molecules Through the Anisotropic Photoluminescence of Porous Silicon

Chih-Hsuan Hu [a], Vincent K. S. Hsiao*[a], Chih-Chien Chu*[b]

[a]Department of Applied Materials and Optoelectronic Engineering, National Chi Nan University, Nantou 54561, Taiwan
[b]Department of Medical Education and Department of Medical Applied Chemistry, Chung Shan Medical University, Taichung 40201, Taiwan

Fig. S1 FA spectra and relative degree of polarization measured using **method I** for PSi containing chiral molecules (1×10^{-3} M in ethanol solution).

Fig. S2 FA spectra and relative degree of polarization measured using **method I** for PSi containing chiral molecules (1×10^{-3} M in ethanol solution).

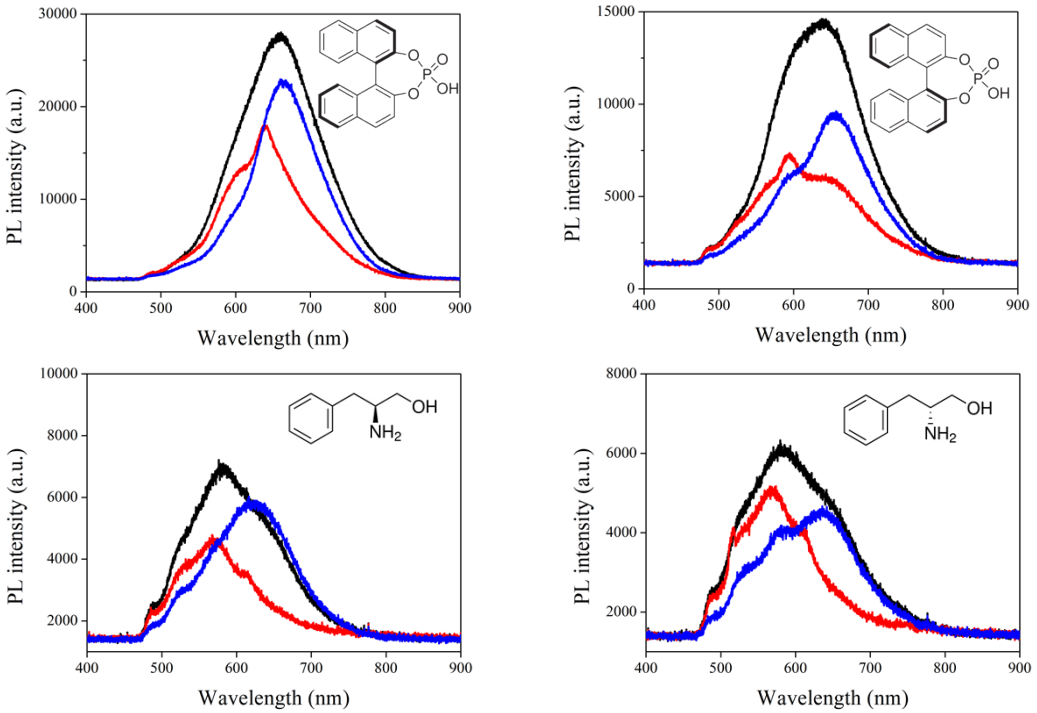

Fig. S3 FA spectra and relative degree of polarization measured using **method II** for PSi containing chiral molecules (1×10^{-3} M in ethanol solution). The black spectrum is the PL from PSi sample containing different chiral molecules before separating from broadband polarization beam splitter, and the blue ($\mathbf{I}_{\parallel}$) and red ($\mathbf{I}_{\perp}$)spectrum are anisotropic PL from the same samples.

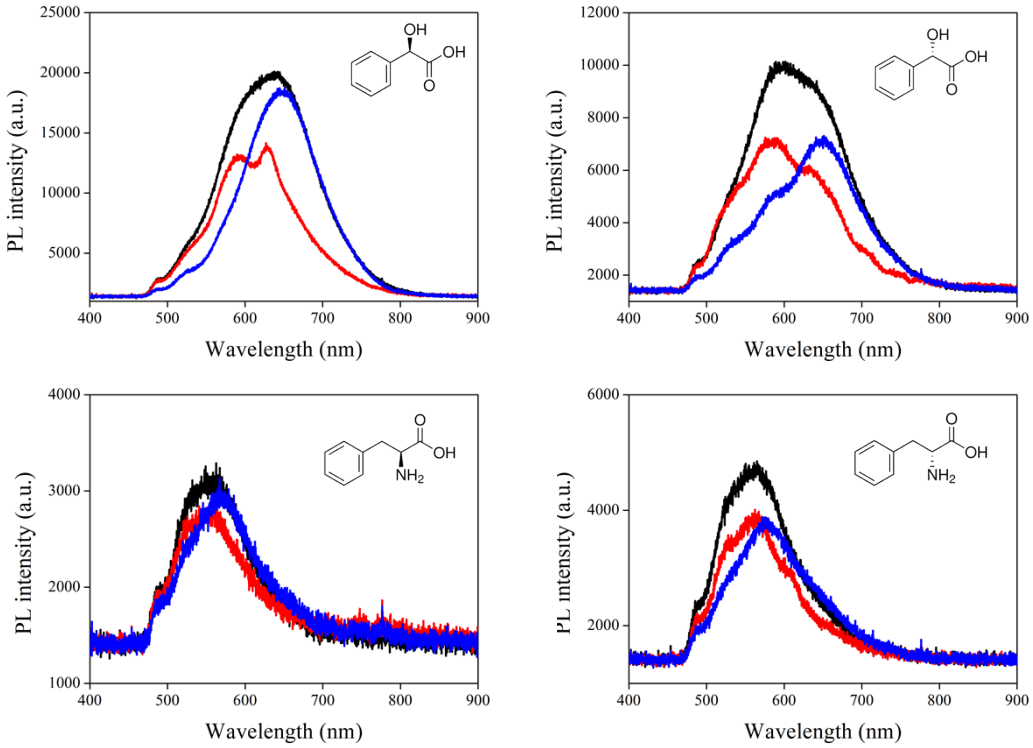

Fig. S4 FA spectra and relative degree of polarization measured using **method II** for PSi containing chiral molecules (1×10^{-3} M in ethanol solution). The black spectrum is the PL from PSi sample containing different chiral molecules before separating from broadband polarization beam splitter, and the blue ($\mathbf{I}_{\parallel}$) and red ($\mathbf{I}_{\perp}$)spectrum are anisotropic PL from the same samples.