

Supporting Information

Determination of Solvation Layer Thickness by a Magneto-Photonic Approach

Le He, Yongxing Hu, Mingsheng Wang, Yadong Yin*

Department of Chemistry, University of California, Riverside, CA92521

*To whom correspondence should be addressed. Email: yadongy@ucr.edu

Table S1. Refractive indices of various solvents measured at 22 °C

Solvents	Refractive index	Solvents	Refractive index
Water	1.3333	10% ethylene glycol a.q.	1.3436
10% ethanol a.q.	1.3376	20% ethylene glycol a.q.	1.3542
20% ethanol a.q.	1.3436	30% ethylene glycol a.q.	1.3649
30% ethanol a.q.	1.3494	40% ethylene glycol a.q.	1.3754
40% ethanol a.q.	1.3543	50% ethylene glycol a.q.	1.3858
50% ethanol a.q.	1.3578	60% ethylene glycol a.q.	1.3959
60% ethanol a.q.	1.3604	70% ethylene glycol a.q.	1.4063
70% ethanol a.q.	1.3622	80% ethylene glycol a.q.	1.4147
80% ethanol a.q.	1.3629	90% ethylene glycol a.q.	1.4234
90% ethanol a.q.	1.3623	50% Glycerol a.q.	1.4084
Ethanol	1.3610	50% Diethylene glycol a.q.	1.3937
50% Methanol a.q.	1.3425	50% isopropanol a.q.	1.3658