

Appendix A

Experimental parameters

Compound name	Pump-pulse power (150 kHz) [μ W] 440 nm, p-pol	Probe-pulse power (150 kHz) [μ W] 280 nm, p-pol	Pump-Probe CC [fs] FWHM	Bias potential [V]
Pe'-COOH	290	19	38	0.00
Pe'-CH=CH-COOH	160	30	38	0.20
Pe'-CH ₂ -CH ₂ -COOH	280	8	36	0.20
Pe'-tripod	500	250 (285 nm)	50	0.25
Pe'-PO(OH) ₂	180	10	35	0.20
Pe'-CH ₂ -PO(OH) ₂	200	10	33	0.10
Pe'-rod	240	17	36	0.30
Catechol:TiO ₂	200	15	35	0.20
Pe-CH ₂ -S:Ag(110)	35	10	36	-0.50

Table A.1: The experimental parameters used for the TR-2PPE measurements.

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