

SUPPLEMENTARY INFORMATION

Strategies to reduce oxygen inhibition in photoinduced polymerization

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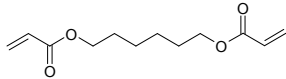
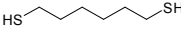
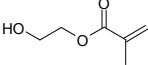
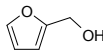
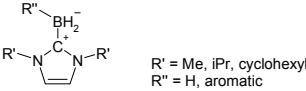
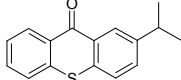
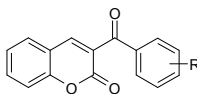
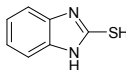
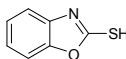
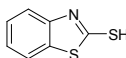
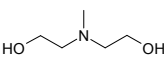
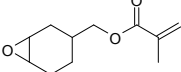
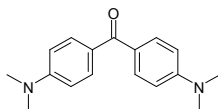
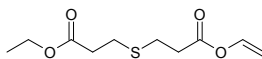
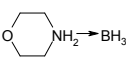
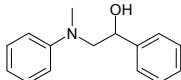
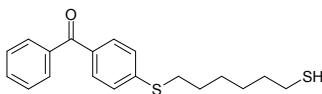
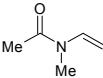
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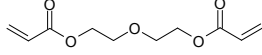
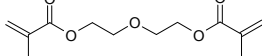
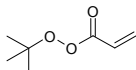
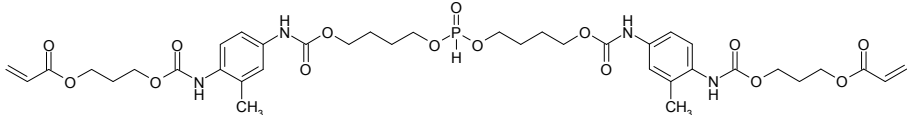
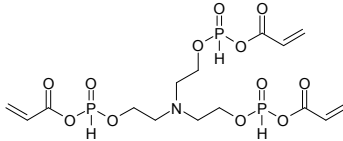
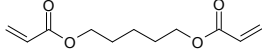
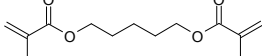
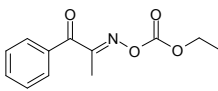
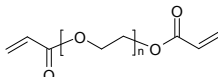
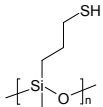
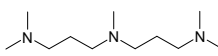
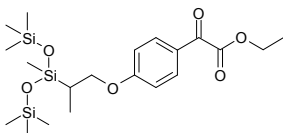
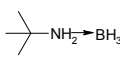
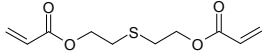
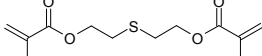
Table S1

Table S1. List of chemicals.

Abbreviation	Chemical name	Chemical structure
1173-F	1-methyl-1-benzoyl-ethyl pentadecafluorooctanoate	
ACL	bis[2-hydroxy-3-acryloyl-propoxy]propyl] chlorendate	
ADMA	alkyldimethylamines	
AIBN	azobisisobutyronitrile	
ALEA	α -acryloyl- ω -[3-(diethylamino)-propanoyl] polyethylene glycol	
ALPA	α -acryloyl- ω -[3-(diethylamino)-propanoyl] polypropylene glycol	
An-OxE	acryloyloxime 9-phenanthrenecarboxaldehyde	
AQ	anthraquinone	
BA	butyl acrylate	
BAVT	bis[1-((meth)acryloylmethyl)-2-(vinyl)oxy]ethyl]terephthalate	
BP	benzophenone	
BP-PG	ethyl {N-[(4-benzoylphenyl)methyl]-N-phenyl} glycine	
BZ	benzil	
CAS	7-methylene-1,5-dithiacyclooctan-3-yl acetate	
CMEBP	4-(2-acryloyl-3-N-morpholinopropoxy) benzophenone	

CMTX	2-(carboxymethoxy) thioxanthone	
CQ	camphorquinone	
DAB	dibromoneopentylglycol	
DBA	dibutyl anthracene	
DBB	1,2-dibenzoyl benzene	
DBBD	2,3-dibromobutenediol	
DBT	bis(benzothiazol-2-yl) disulphide	
DMA	9,10-dimethyl anthracene	
DMAA	<i>N,N</i> -dimethylamino ethylacrylate	
DMAB	ethyl 4-(dimethylamino) benzoate	
DMAP-B	borane 4-(dimethylamino)pyridine complex	
DPBF	1,3-diphenylisobenzofuran	
DPF	1,3-diphenyl furan	
DTBP	bis(4-(6-mercaptohexylthio) benzophenone	
EAQ	2-ethyl anthraquinone	
EHMA	2-ethylhexyl methacrylate	
F2959	2-[4-(2-hydroxy-2-methyl-1-oxopropyl)phenoxy]ethyl pentadecafluorooctanoate	

HDDA	hexanediol diacrylate	
HDT	hexanedithiol	
HEMA	hydroxyethyl methacrylate	
HMF	2-hydroxymethyl furan	
Im-B	imidazol-2-ylidene boranes	
ITX	isopropyl thioxanthone	
KC	ketocoumarines	
MA	methyl acrylate	
MBI	mercaptopbenzamidazol	
MBO	mercaptopbenzoxazol	
MBT	mercaptopbenzothiazol	
MDEA	<i>N</i> -methyl diethanolamine	
MeCN	acetonitrile	
METHB	3,4-epoxycyclohexylmethyl methacrylate	
MF	2-methyl furan	
MK	Michler's ketone	
MMA	methyl methacrylate	
MonoVE	ethyl 3-[[3-(ethenyloxy)-3-oxopropyl]thio]propanoate	
Mor-B	borane morpholine complex	
MPPE	2-(<i>N</i> -methyl- <i>N</i> -phenylamino)-1-phenylethanol	
MTBP	(4-(6-mercaptohexylthio) benzophenone	
NEP	<i>N</i> -ethyl pyrrolidone	
NMNVA	<i>N</i> -vinyl- <i>N</i> -methyl acetamide	
NMP	<i>N</i> -methyl pyrrolidone	

NVCL	<i>N</i> -vinyl- ϵ -caprolactam	
NVF	<i>N</i> -vinyl formamide	
NVP	<i>N</i> -vinyl pyrrolidone	
OEDA	diethylene glycol diacrylate	
OEDM	diethylene glycol dimethacrylate	
PA	<i>tert</i> -butyl peracrylate	
PH2A	2-propenoic acid, (8-oxido-1,15-dioxo-2,7,9,24-tetraoxa-8-phosphapentadecane-1,15-diyl)bis[imino(methyl-4,1-phenylene)iminocarbonyloxy(methyl-2,1-ethanediyl)] ester	
PH3A	2-propenoic acid, trianhydride with phosphonic acid nitrilotri-2,1-ethanediyl ester	
PDA	pentanediol diacrylate	
PDM	pentanediol dimethacrylate	
PDO	1-phenyl-2-[<i>O</i> -(ethoxycarbonyl)oxime]-1,2-propanedione	
PEGDA	poly(ethylene glycol) diacrylate	
pMMSiO	poly(mercaptopropyl methyl siloxane)	
Polycat 77	3,3'-bis(dimethylaminopropyl) methylamine	
SiOGlyox	ethyl 4-(2-(bis(trimethylsilyloxy) methyl silyl)propoxy) glyoxylate	
tBA-B	borane <i>tert</i> -butylamine complex	
TEDA	thiol diethylene glycol diacrylate	
TEDM	thiol diethylene glycol dimethacrylate	

TetVE	1,19-diethenyl {10,10-bis[[3-[[3-(ethenyloxy)-3-oxopropyl]thio]-1-oxopropoxy]methyl]-7,13-dioxo} 8,12-dioxa-4,16-dithianonadecanedioate	
TMPTA	trimethylolpropane triacrylate	
TPGDA	tripropylene glycol diacrylate	
TriVE	1,19-diethenyl {10-[[3-[[3-(ethenyloxy)-3-oxopropyl]thio]-1-oxopropoxy]methyl]-10-ethyl-7,13-dioxo} 8,12-dioxa-4,16-dithianonadecanedioate	
TT	pentaerythritol tetrakis 3-mercaptopropionate	
TTX	2-(6-mercaptohexylthio)-9H-thioxanthen-9-one	
TX	thioxanthone	
TXA	5-thiapentacen-14-one	
TXSH	2-mercaptothioxanthone	
XTAA	2-thioxanthone-thioacetic acid	
XDM	4-(2-(dimethylamino)ethyl) morpholine	
XT	xanthone	
Zn(ttp)	zinc tetrakis(tert-butyl) phthalocyanine	



tetrakis(triethanolaminato)
zirconium(IV)

