

GTIIT ChE & EnvE Central Lab
广东以色列理工学院化工与环境中心实验室
List of Shared Instruments
开放仪器一览表

No 序号	Name 名称	Model 型号	Location 实验室地址
Ingredient Content Analysis 成分含量分析			
1	Fourier Transform Microscopic Infrared Spectrometer 傅立叶变换显微红外光谱仪 (FTIR)	Thermo Scientific Nicolet iN10	R402
2	Gas Chromatography-Mass Spectrometry 气相色谱质谱联用 (GC-MS)	Agilent 7890B-5977B	R401
3	High Performance Liquid Chromatograph 高效液相色谱仪 (HPLC)	Thermo Scientific UltiMate 3000	R402
4	Ion Chromatography System 离子色谱仪 (IC)	Thermo Scientific Dionex Aquion	R402
5	Inductively Coupled Plasma Optical Emission Spectrometer 电感耦合等离子体发射光谱仪 (ICP-OES)	Thermo Scientific iCAP7200 Plus	R401
6	UV-VIS Spectrophotometer 紫外-可见光分光光度计 (UV-VIS)	Hach DR6000	R402
7	Atomic Absorption Spectrometer 原子吸收光谱仪 (AAS)	Thermo Scientific ICE3500 AA System	R402
8	Total Organic Carbon Analyzer 总有机碳分析仪 (TOC)	Shimadzu TOC-V WP	R402
Thermal Properties Analysis 热学性能分析			
9	Differential Scanning Calorimetry 差示扫描量热仪 (DSC)	TA DSC 25	R802
10	Thermogravimetric Analyzer 热重分析仪 (TGA)	Shimadzu DTG-60A TA TGA 55	R402 R802
Mechanical Properties Analysis 力学性能分析			
11	Rheometer 流变仪	TA ARES-G2	R802
12	Tensile Testing Machine 电子万能试验机	Instron 5966	R802
13	Versatile Accurate Deformation Extensional Rheometer 拉伸流变仪	Rheo Filament VADER1000	R802

Other Instruments 其他仪器			
14	Adsorption Analyzer 全自动比面积及微孔分析仪 (BET)	Micromeritics ASAP 2020 PLUS HD88	R402
15	Mercury Intrusion Pore Size Analyzer 压汞孔径分析仪	Quantachrome PoreMaster 33	R402
16	TPD/TPR/TPO/Chemsorption 全自动程序升温化学吸附仪	Micromeritics AutoChem II 2920	R402
17	Automatic Discrete Analyzer 全自动间断化学分析仪	Dechem-Tech Cleverchem 380	R402
18	Particle Size & Zeta Potential Analyzer Zeta 电位及粒度分析仪	Brookhaven NanoBrook 90Plus PALS	R402
19	Fluorescent Microscope 荧光显微镜	Nikon Eclipse Ni-U	R402
20	Electrochemical Workstation 电化学工作站	Metrohm Autolab PGSTAT302N	R402
21	Drop Shape Analyzer 角度测量仪 (DSA)	KRÜSS Scientific DSA25E	R402
22	Melt Flow Indexer 熔体流动测试仪	DK-5605B	R402
23	Twin Screw Extruder 双螺杆挤出机	Hartek HTYP-16	R802