

**List of funded projects involved in as Principal Investigator (CityU)**

<b>Project No.</b>	<b>Project Title</b>	<b>Code/ Grant Type/ Amount (HKD)</b>	<b>Project Date</b>
1 Completed	Current Status on Energy Usage and Potential on Further Adoption of Renewable Energy in Various Cites in Asia	C011318 / Industry, Ove Arup & Partners Hong Kong Ltd / 120,000	2009.07.15 2009.10.15
2 Completed	Development of Student-led Laboratory Experience	6000164 / TDG, CityU / 75,000	2009.05.04 2010.05.31
3 Completed	Development of a Novel Mesoporous Fiber Matrix Based Air Purification Technology	9667024 / ARG PI, CityU / 199,580	2009.06.01 2010.05.31
4 Completed	A Novel, Green and Fast Approach to Produce Nano-Material MCM-41: Process Optimization and Application of MCM-41 in Production of Bio-Ethanol	7200144 / StUp, CityU / 100,000	2009.04.01 2010.09.30

5 Completed	Conversion of Rice Husk into Ethanol by a Novel and Green Approach Using Nano-porous Materials: Process Optimization	7002470 / SRG, CityU / 165,760	2009.04.01 2011.03.31
6 Completed	A Novel, Green and Fast Approach to Produce Nano-sized MCM-41 from Coal Fly Ash: Process Optimization and Applications of MCM-41 in Air Purification	7008056 / SRG-Fd, CityU / 180,000	2009.10.01 2011.09.30
7 Completed	Performance Study of Novel Adsorption Foams for Desiccant Cooling Applications	7002579 / SRG, CityU / 172,500	2010.05.01 2012.04.30
8 Completed	Performance assessment of plasma assisted catalytic oxidation based air purification technology for indoor VOCs removal	9667037 / ARG PII, CityU / 1,275,000 (375,000 from a company)	2010.06.16 2012.06.15
9 Completed	Ozone-catalytic Oxidation System and Process Optimization for Indoor Air Purification	114310 / GRF, HKSAR / 607,477; <b>funding rate of 31%</b> <b>(764/2,463)</b>	2011.01.01 2013.12.31
10 Completed	Development of a Novel Ozone Catalytic Oxidation-based Dyeing Wastewater Treatment Technology	6351005 / I2RF, CityU / 400,000	2011.04.01 2012.03.31

11 Completed	Development of photonic crystal structure on transparent conducting oxide thin film for high brightness blue GaN LEDs	CFP, CityU / 100,000	2011.03.01 2012.02.29
12 Completed	Development of Self-Regenerating Catalysts in Ozone-Catalytic Oxidation System for Air Purification Applications	9667051 / ARG PI, CityU / 200,000	2011.06.01 2012.05.31
13 Completed	Reliability study of GaN-based blue LEDs employing composite transparent conducting oxide with p-type conduction	9666010 / I2RF, CityU / 380,000	2012.03.01 2013.02.28
14 Completed	Development and investigation of a high-energy efficient ozone-catalytic oxidation based air purifier	ITS/244/11, Innovation and Technology Fund, Tier 3, HKSAR / 999,994 (from ITF); 521,138 (internship, ITF) 200,000 (from 2 companies) 173,912 (from CityU)	2012.05.01 2013.10.31 2012.05.01 2015.04.30
15 Completed	Ozone-Catalytic Oxidation Technology with Pd Nanoparticles Doped CO <sub>3</sub> O <sub>4</sub> Nanowire Catalysts on Nickel Foam for Toluene Removal	9667065 / ARG PI, CityU / 200,000	2012.04.01 2013.03.31

16 Completed	Fabrication and Characterization of Novel Palladium-graphene Composites and Their Performances in the Catalytic Ozonation of Toluene	7002825/ SRG-Fd, CityU / 70,000	2012.10.01 2013.09.30
17 Completed	Effectiveness of Installing Musical Staircases at CityU in Changing Behavior toward Environmental Sustainability	69860110/ Campus sustainability project , CityU / 300,000	2013.01.01 2013.12.31
18 Completed	Design, Supply and Construction of Artificial Wetland at 16/F Sky Garden of Hysan Place	9231109/ Contract research	2013.07.15 2014.12.16
19 Completed	Implementation of Student-oriented Rooftop Aquaponics to Promote Food Sustainability	6987021/ Campus sustainability project, CityU / 342,000	2013.10.01 2015.03.31
20 Completed	Engineering the surface properties and pore size distribution of porous graphene and understanding their influences on the capacitive performances of supercapacitor	7004081/ SRG-Fd, CityU / 100,000	2013.10.01 2014.09.30
	<b>Total funding</b>	<b>942,400 (GBP); 1.24 million (USD)</b>	