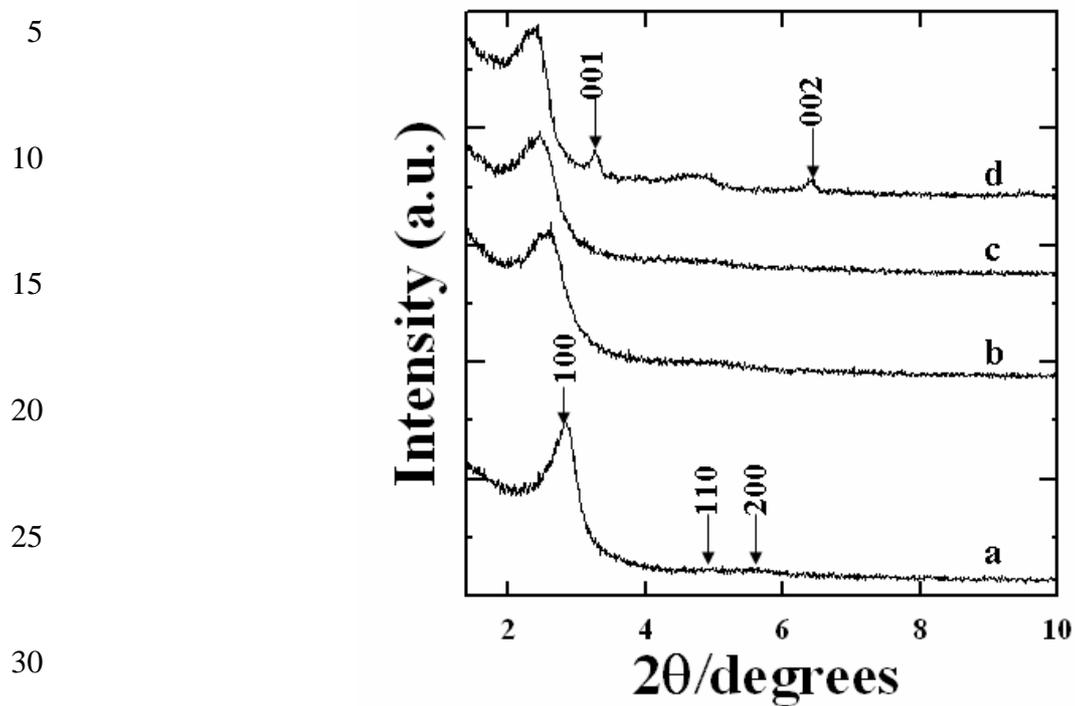


## Electronic Supplementary Information (ESI)



S-Fig. 1 XRD patterns for as synthesized  $C_n$ -SCMS silica particles with (a)  $n = 12$ , (b)  $n = 14$ , (c)  $n = 16$ , and (d)  $n = 18$ , respectively.

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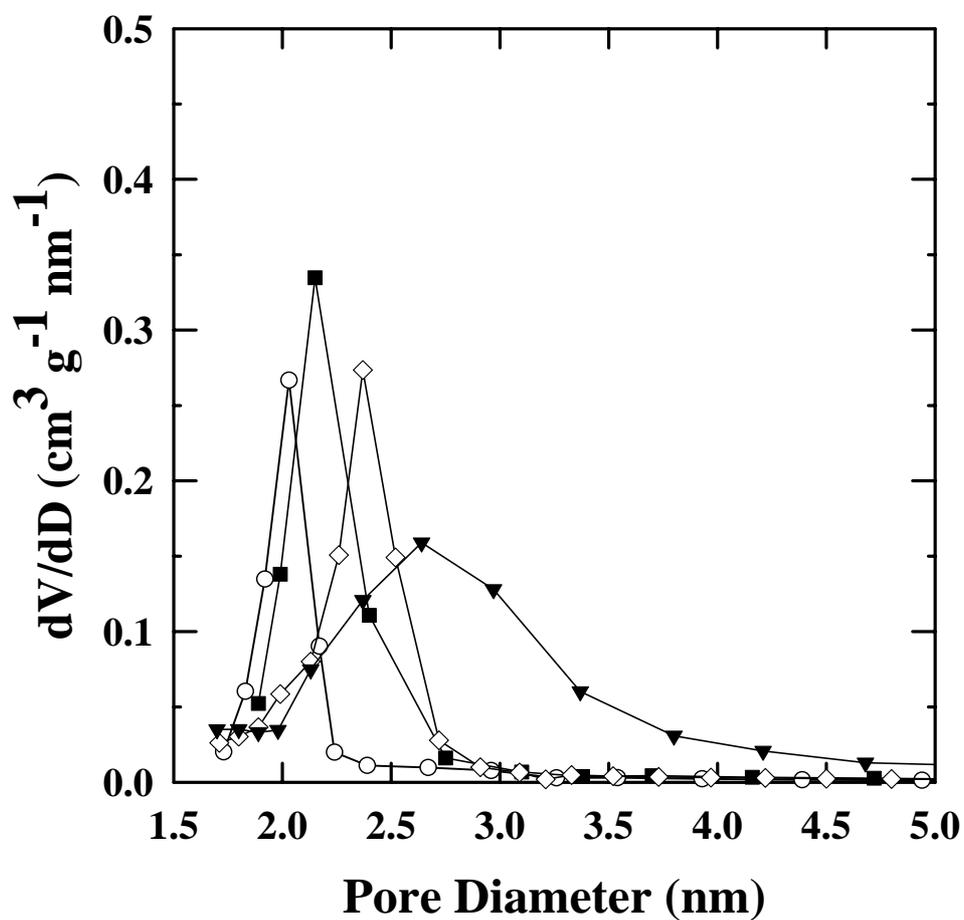
100

105

110

115

120



S-**Fig. 2** Pore size distribution curves calculated from the adsorption branch of the N<sub>2</sub> adsorption/desorption isotherms shown in Fig 5. (○) C<sub>12</sub>-SCMS,  
125 (■) C<sub>14</sub>-SCMS, (◇) C<sub>16</sub>-SCMS, and (▼) C<sub>18</sub>-SCMS, respectively.