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(NT), (BT), (IT), (CT), (ET), (ST)  
 (Nanotechnology) (Nanoelectronics),  
 (Nanocomposite), (Nanoparticle) (Nanostructure)  
 가  
 가가  
 Top-down (Nanosize)  
 (layered silicate), (carbon nanotube),  
 가

21  
6T

NT

가

가가

Bottom-up

( : M/T, %)

	1999	2004	2009	*
	500	59,000	262,000	35
	-	43,900	185,500	33
	680	22,600	98,500	34
	1,180	125,500	546,000	34

\* 2004-2009

) Karl Kamena

가

(Clay)

Clay silicate

가

가

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*<Chemical Daily News 2002/02/25>*