i-p-i photodiode structures²³ that permit a separation of electrons and holes in direct space.

• By using band gap engineering and extracting

opportunities of changing the optical properties by selecting different orientations. While long (strainfree) superlattices $(AC)_{p}(BC)_{q}$ and $(p,q) \rightarrow \infty$ have the

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	such lateral superlattice structures could become	short-period superlattices have band gaps that de-
	superior to the double haterostructures Indeed	nend on the laver orientation. This provides an inter
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	in Group III-V compound semiconductors for example, the short minority carrier lifetimes that	esting degree of freedom for superlattice band gap engineering without strain. The theory for this was
	in Group III-V compound semiconductors for example, the short minority carrier lifetimes that	esting degree of freedom for superlattice band gap engineering without strain. The theory for this was
	in Group III-V compound semiconductors for example, the short minority carrier lifetimes that	esting degree of freedom for superlattice band gap engineering without strain. The theory for this was



One of the nontrivial problems to solve is that of the vapor diffusion inside the tubes without plugging them by the deposited semiconductor. Hence, it is essential to separate the loading (diffusion) cycle from the cracking cycle that is taking place at a higher temperature. A repeated sequence of loading and cracking cycles was found to be a convenient way of loading the zeolite structures. The semiconductor epitaxy is then completed by an annealing cycle. The entire process is monitored with a quadrupole mass spectrometer. Weight change measurements upon



GaP or GaAs or ZnSe.	Cation-terminated (001) Ga _{0.5} In _{0.5} P top surface	
The graphoepitaxial process could in fact play an		
important role in the formation of the semiconductor		
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