

Supporting Information
to
Structure of Palladium Nanoparticles under Oxidative Conditions

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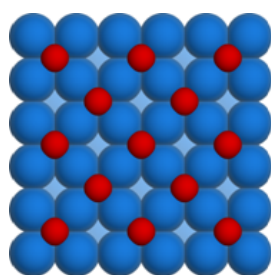
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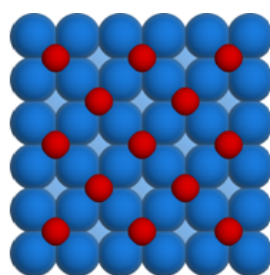
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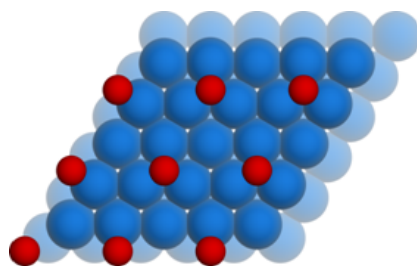
⁴ *Helmholtz-Institute Ulm (HIU), Ulm University, Albert-Einstein-Allee 47, D-89081 Ulm, Germany*



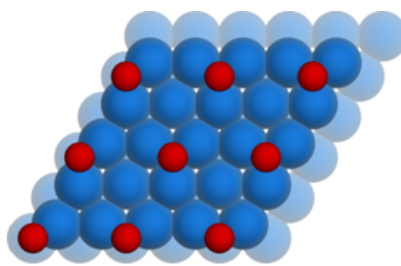
$p(2 \times 2)\text{Pd}(100)$



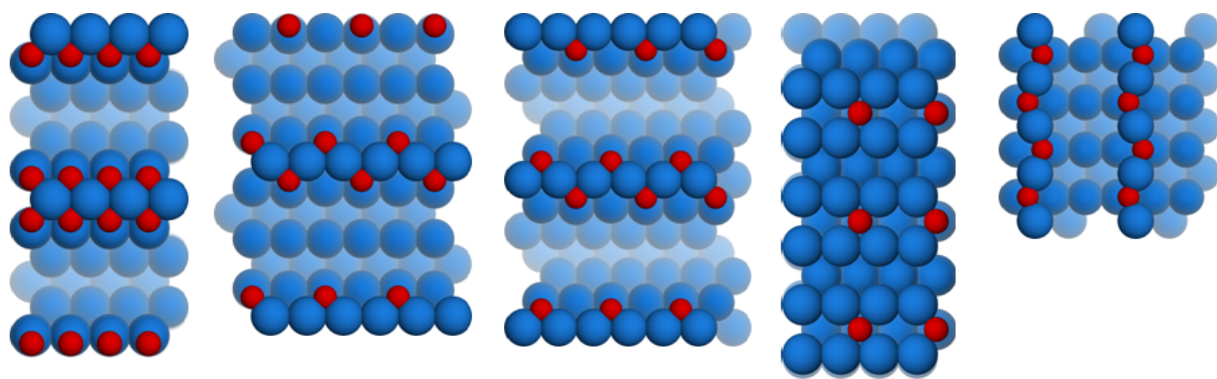
$c(2 \times 2)\text{Pd}(100)$



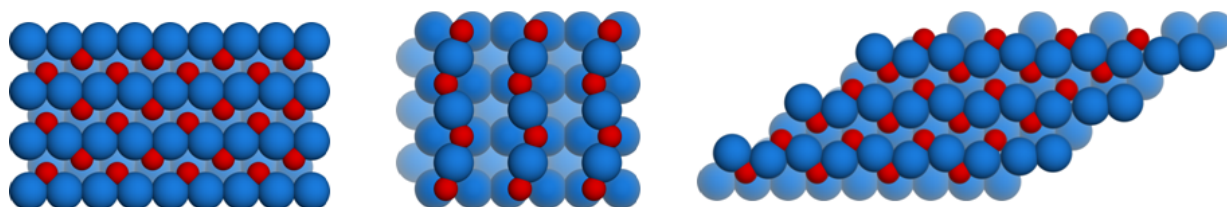
$p(2 \times 2)\text{Pd}(111)$ Ofcc



$p(2 \times 2)\text{Pd}(111)$ Ohcp



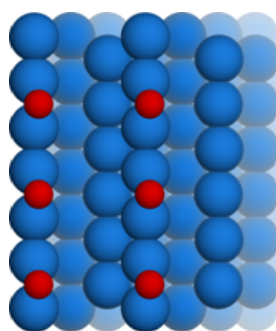
Pd(110) (1x3) Pd(110) (2x3)-1D Pd(110) (2x3)-deep O Pd(110) p(2x2) Pd(110) (3x2)



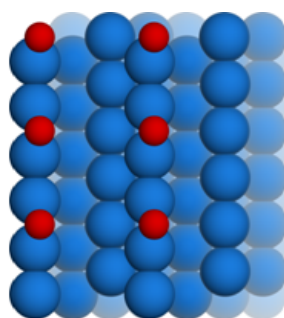
Pd(110) (2x1)-2O

Pd(110) (2x2)-p2mg

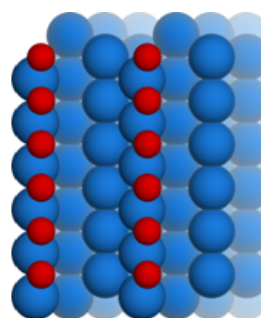
Pd(110) (9x√3)



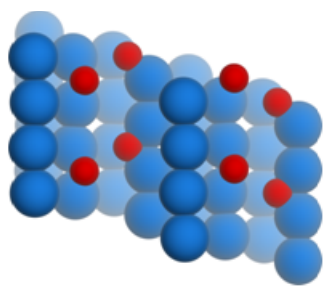
Pd(211) Ofcc(1x2)



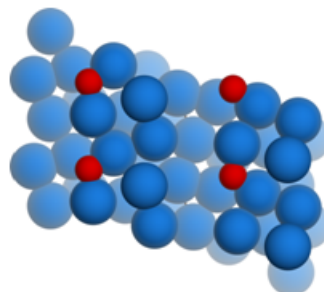
Pd(211) Ohcp(1x2)



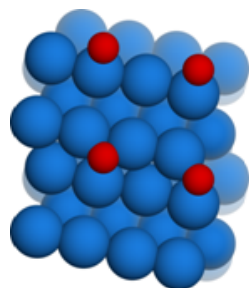
Pd(211) -2O(1x2)



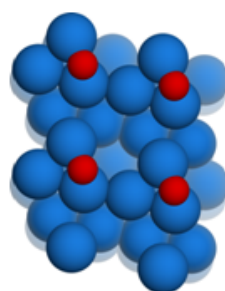
Pd(311) (2x4)–MR-0.5ML



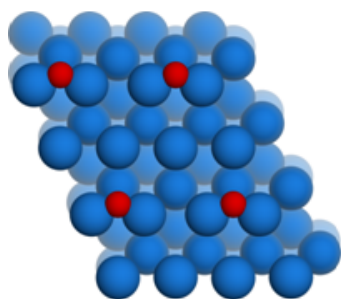
Pd(311) (2x4)–MR-1ML



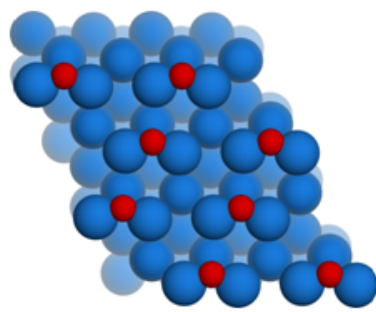
Pd(331)-1O



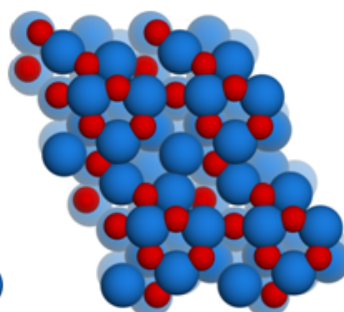
Pd(331)-2O



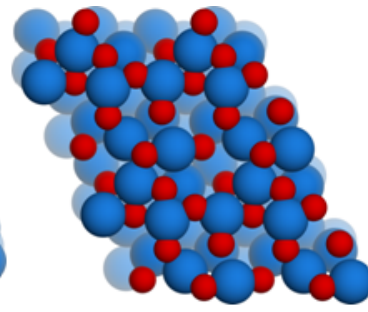
Pd(210) -1O



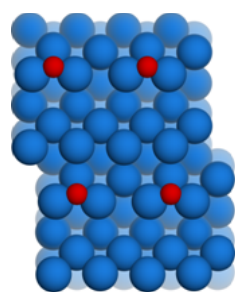
Pd(210)- 2O



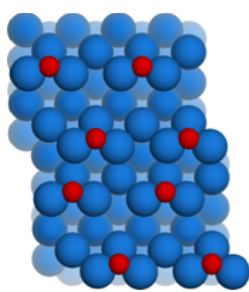
Pd(210) -7O



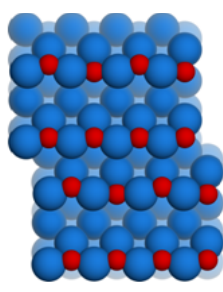
Pd(210)- 8O



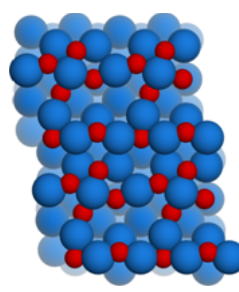
Pd(520)-1O



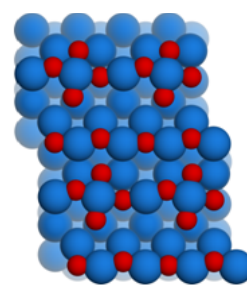
Pd(520)-2O



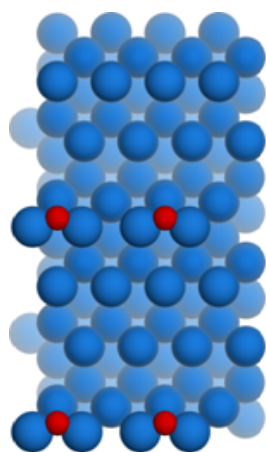
Pd(520)-4O



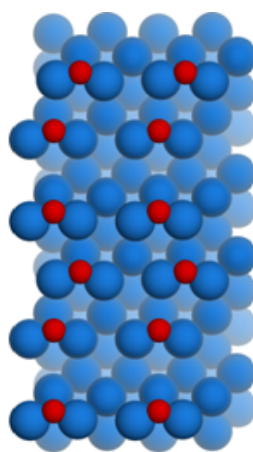
Pd(520)-6O



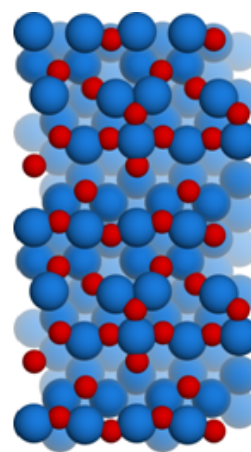
Pd(520)-10O



Pd(730)-1O



Pd(730)-3O



Pd(730)-9O