

## **Deliverable 2:**

Description of fundamental effects such as quantum confinement, quantum tunneling and zero point energy effects in nanomaterials

<http://dx.doi.org/10.1002/chem.201800497>

<http://dx.doi.org/10.1021/acs.jpcllett.6b02081>

<https://doi.org/10.1021/acs.jpcllett.6b02414>

<http://dx.doi.org/10.1021/acs.jctc.8b00801>

<https://doi.org/10.1021/acs.jpca.5b09208>

<https://doi.org/10.1021/acs.jpcc.6b12959>

<http://dx.doi.org/10.1039/C6CP04661D>

<https://doi.org/10.1039/C6CP06858H>

<https://doi.org/10.1039/C7CP05869A>

<https://doi.org/10.1039/C8CP04109A>

<https://doi.org/10.1080/00268976.2018.1555340>

<https://doi.org/10.1080/00268976.2018.1547429>

<http://dx.doi.org/10.1088/1742-6596/810/1/012010>

<http://dx.doi.org/10.1093/mnras/stx2696>

<http://dx.doi.org/10.1103/PhysRevLett.117.033001>

<http://dx.doi.org/10.1103/PhysRevLett.121.193201>