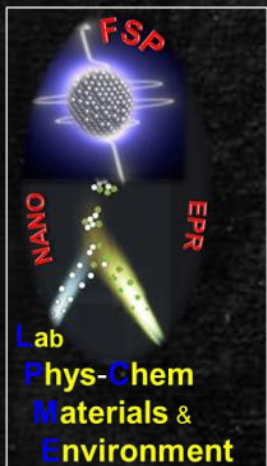


Can we tune the particle properties by flame spray pyrolysis for high-end photocatalysis? Challenges & opportunities

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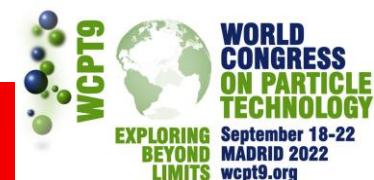


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Lab of Physical Chemistry & Environment

Dr. Panagiota Stathi - FSP-made Catalysts, CO₂RR

Dr. Maria Solakidou - FSP-made Catalysts, H₂O Splitting

PhD Students

Constantinos Moularas - Plasmonics, Photo-induced carrier dynamics

Pavlos Psathas - FSP perovskites & doping engineering

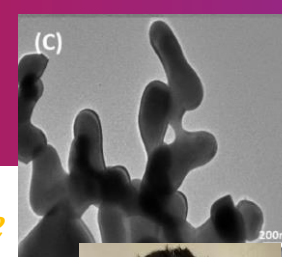
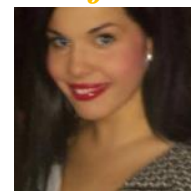
Areti Zindrou - FSP tailoring of flame-made suboxides

Christos Dimitriou - Gas-phase engineering of quantum dots

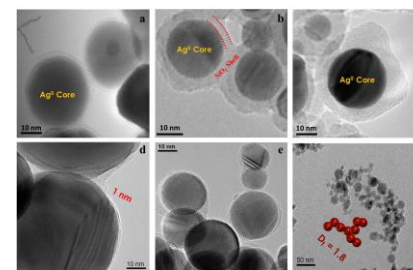
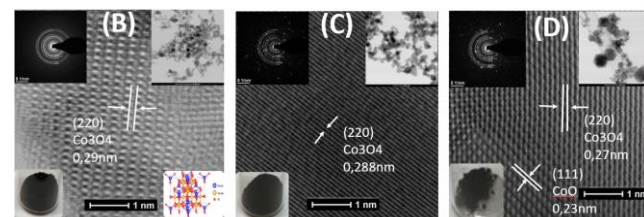
Loukas Belles – FSP-made electrocatalysts engineering, ORR, OER



Surface Modification



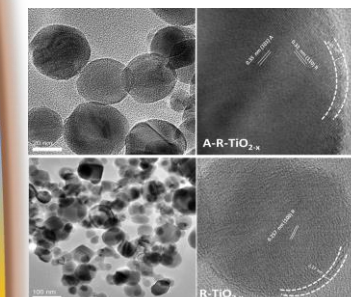
Perovskites



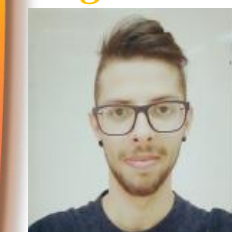
Defect Engineering



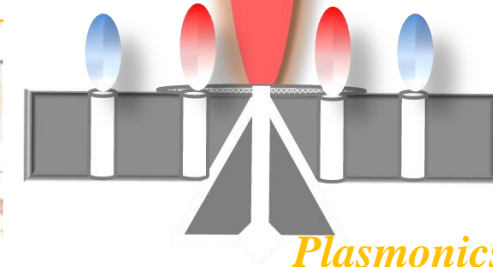
Quantum Dots



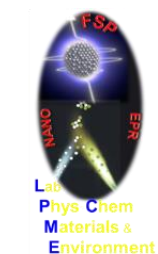
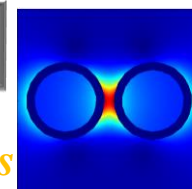
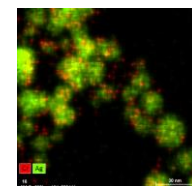
Interface Engineering



PHOTOCATALYSTS



Plasmonics



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