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Ultra-thin TiO2 films by atomic layer deposition and surface functionalization with Au nanodots for sensing applications

Lupan Oleg[12], Postica Vasile[2], Ababii Nicolai[2], Reimer Tim[34], Shree Sindu[1], Hoppe Mathias[1], Polonskyi Oleksandr[1], Shontya Viktor[2], Chemnitz Steffen[4], Faupel Franz[1], Adelung Rainer[1]

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Influence of TiO2 Ultra-Thin Films on Gas Sensing Properties of CuO:Zn

Ababii Nicolai[1], Reimer Tim[2], Postica Vasile[1], Hoppe Mathias[3], Chemnitz Steffen[2], Shontya Viktor[1], Benecke Wolfgang[2], Adelung Rainer[3], Lupan Oleg[1]

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Magnetron sputtering and characterization of doped zinc oxide nanofibrous films and their applications

Lupan Oleg[12], Ghimpu Lidia[3], Reimer Tim[14], Hoppe Mathias[1], Paulowicz Ingo[1], Gedamu Dawit M.[1], Mishra Yogendra Kumar[1], Hammerich D.[1], Chemnitz Steffen[4], Creţu Vasilii[2], Tiginyanu Ion[23], Adelung Rainer[1]

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Single step integration of ZnO Nano-and microneedles in Si trenches by novel flame transport approach: Whispering gallery modes and photocatalytic properties

Reimer Tim[1], Paulowicz Ingo[2], Roder Robert[3], Kaps Soren[2], Lupan Oleg[24], Chemnitz Steffen[15], Benecke Wolfgang[5], Ronning Carsten[3], Adelung Rainer[2], Mishra Yogendra Kumar[2]

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