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Authors: Hana Kmentova, Stepan Kment, Zdenek Hubicka, Zdenek Remes, Jiri Olejnicek, Martin Cada, Josef Krysa, Radek Zboril



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**Thermal sulfidation of α - Fe₂O₃ hematite to FeS₂ pyrite thin electrodes: correlation
between surface morphology and photoelectrochemical functionality**

Hana Kmentova¹, Stepan Kment^{1*}, Zdenek Hubicka², Zdenek Remes², Jiri Olejnicek²,

Martin Cada², Josef Krysa^{3*}, and Radek Zboril^{1*}

¹*Regional Centre of Advanced Technologies and Materials, Faculty of Science, Palacky
University, 17. listopadu 1192/12, 771 46 Olomouc, Czech Republic*

²*Institute of Physics, Academy of Sciences of the Czech Republic, Na Slovance 2, 14800
Prague, Czech Republic.*³

³*University of Chemistry and Technology Prague, Dep. Of Inorganic Technology,
Technicka 5, 166 28 Prague 6, Czech Republic*

*Corresponding author:

E-mail address: stepan.kment@upol.cz

Tel.: +420585634365

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