

Surface Origin of High Conductivities in Undoped In_2S_3 Thin Films

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$\mu = -3.2$ (3) μ (I -
 μ (2),
 $\varepsilon(2 + /0)$
 $E \cdot I$
 $H[V]$
 $B l k$ 2 3 -19
 $(E_g = 3.1$ -20)
 -[0, 15]wh2(dect)-5f

Initial face d

(111)

2.3 0, 3.1 0, 0.2 0, 0.6 0

7.0 7.6 0, 6.8 0, -46, -47

3

2

3

(111)

V⁽¹¹¹⁾

4

V⁽¹¹¹⁾

S

(111)

3

(111)

4

(111)

Methd.

(2)

(2)

(5)

(nb)

(ηs)

(5)

-1/

(2)

(1)

(2)

C cl i

5

6,8 10

1,12

10²⁰

2 3

