

Supplementary Materials: Micro Flowers of SrS/Bi₂S₃ Nanocomposite and Its Field Emission Properties

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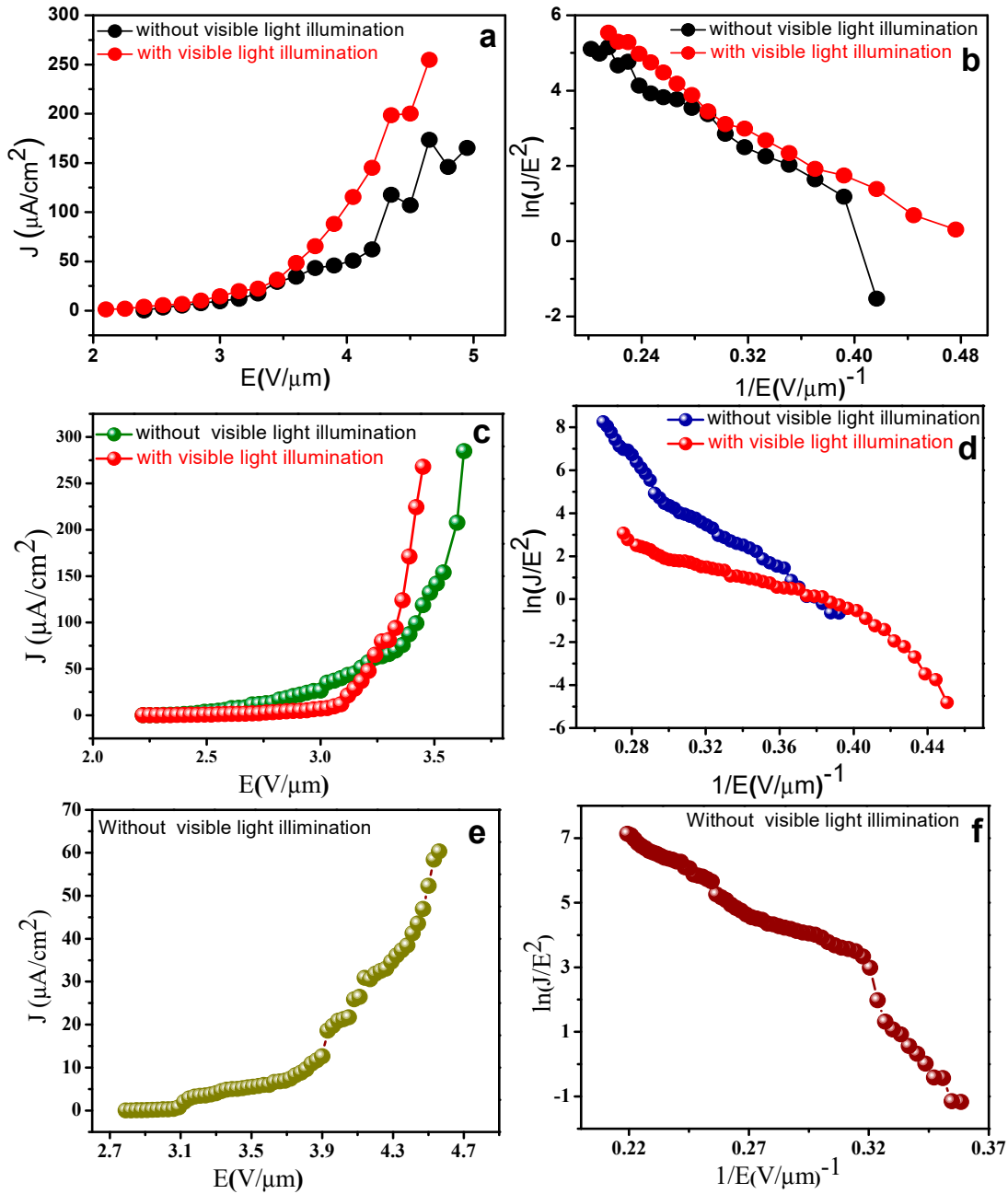


Figure S1. J-E and Current versus time (I-t) plots for S1 (a,b) (6 hr), S2 (c,d) (12 hr) and (e,f) Pristine Bi₂S₃.

Q.6 Comment

Morphology	Turn-on field* (V/ μ m)	Threshold field (V/ μ m)	Reference
CdS-Bi ₂ S ₃ heteroarchitectures	1.8	3.1(~677 μ A/cm ²)	a
Bi ₂ S ₃ nanoflowers	-	2.2(90 μ A/cm ²)	b
Bi ₂ S ₃ nanoflowers	7.45	-	c
Bi ₂ S ₃ nanowires	-	3.52(63 μ A/cm ²)	d
Bi ₂ S ₃ nanoflowers	1.04	-	e
SrS/Bi ₂ S ₃	2.50	3.00(~1078 μ A/cm ²)	Present Work

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b. S. S. Warule, R. V. Kashid, D. R. Shinde, N. S. Chaudhari, B. B.Kale, M. A. More, Architected Bi₂S₃ nanoflowers:photoenhanced field emission study, Journal of Nanoparticle Research, 2012, 14(6), 1-13.

c. X. Yu, C. Cao, Cryst. Growth Des., 2008, 8, 3951-3955.

d. S. S. Warule, N. S. Chaudhari, B. B. Kale, S. Pandiraj, R. T.Khare, M. A. More, Cryst. Growth Des., 2013, 15, 890-896.

e. Sambhaji S. Warule , Ranjit V. Kashid,Deodatta R. Shinde , Nilima S. Chaudhari , Bharat B. Kale , Mahendra A. More, springer.