

# Sudipta Chakrabarty

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Origin of photo-enhanced hysteretic electrical conductance in nanostructured silicon-based heterojunction. Journal Physics D: Applied Physics, 2022, 55, 275101.	2.8	1
2	Photo assisted negative differential resistance in porous silicon: A potential nano-structure for hot carrier solar cell. Materials Today: Proceedings, 2021, 39, 1930-1933.	1.8	2
3	Optically enhanced trap assisted hysteretic I-V characteristics of nanocrystalline silicon based p-i-n heterostructure. Journal of Applied Physics, 2020, 127, .	2.5	3
4	Negative Differential Resistance in Random Array of Silicon Nanorods. Lecture Notes in Networks and Systems, 2019, , 367-374.	0.7	1
5	Current Controlled Switching in Si/PS/a-Si Heterostructure. Materials Today: Proceedings, 2018, 5, 9790-9797.	1.8	5
6	Trap-Assisted Switching in Silicon Nanocrystal Based p-i-n Device. IEEE Transactions on Device and Materials Reliability, 2018, 18, 620-627.	2.0	4
7	Development of graphene capped silicon-silicon oxide core-shell nano-structure: Charge trapping characteristics at the interfaces. Applied Materials Today, 2018, 13, 370-380.	4.3	9