

# Sourav Bose

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5482190/publications.pdf>

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10  
papers

187  
citations

1307594

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1474206

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docs citations

10  
times ranked

172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Lithography Patterning of SiO <sub>2</sub> Layers for Interface Passivation of Thin Film Solar Cells. Solar Rrl, 2018, 2, 1800212.	5.8	44
2	Insulator Materials for Interface Passivation of Cu(In,Ga)Se <sub>2</sub> Thin Films. IEEE Journal of Photovoltaics, 2018, 8, 1313-1319.	2.5	39
3	Optimization of Back Contact Grid Size in Al <sub>2</sub> O <sub>3</sub> -Rear-Passivated Ultrathin CIGS PV Cells by 2-D Simulations. IEEE Journal of Photovoltaics, 2020, 10, 1908-1917.	2.5	24
4	Rear Optical Reflection and Passivation Using a Nanopatterned Metal/Dielectric Structure in Thin-Film Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 1421-1427.	2.5	21
5	A morphological and electronic study of ultrathin rear passivated Cu(In,Ga)Se <sub>2</sub> solar cells. Thin Solid Films, 2019, 671, 77-84.	1.8	21
6	Phase selective growth of Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> and Cu <sub>3</sub> SbS <sub>4</sub> thin films by chalcogenization of simultaneous sputtered metal precursors. Journal of Alloys and Compounds, 2019, 797, 1359-1366.	5.5	16
7	Decoupling of Optical and Electrical Properties of Rear Contact CIGS Solar Cells. IEEE Journal of Photovoltaics, 2019, 9, 1857-1862.	2.5	7
8	Elaboration of high-transparency ZnO thin films by ultrasonic spray pyrolysis with fast growth rate. Superlattices and Microstructures, 2021, 156, 106945.	3.1	7
9	Numerical investigations of the impact of buffer germanium composition and low cost fabrication of Cu <sub>2</sub> O on AZO/ZnGeO/Cu <sub>2</sub> O solar cell performances. EPJ Photovoltaics, 2021, 12, 3.	1.6	7
10	Optical and Electrical Properties of ZnMgO with High Mg Content Elaborated by Ultrasonic Spray Pyrolysis using Water-Based Solutions. Physica Status Solidi (A) Applications and Materials Science, 0, , .	1.8	1