

# Jung Gyu Nam

## List of Publications by Year in descending order

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17  
papers

478  
citations

840776

11  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

927  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of the efficiency of dye-sensitized solar cell by utilizing carbon nanotube counter electrode. <i>Scripta Materialia</i> , 2010, 62, 148-150.	5.2	198
2	Synthesis of shape-controlled $\text{In}_2\text{S}_3$ nanotubes through oriented attachment of nanoparticles. <i>Chemical Communications</i> , 2010, 46, 2292.	4.1	74
3	Investigation of damage caused by partial shading of $\text{CuIn}_x\text{Ga}_{1-x}\text{Se}_2$ photovoltaic modules with bypass diodes. <i>Progress in Photovoltaics: Research and Applications</i> , 2016, 24, 1035-1043.	8.1	38
4	Achievement of 17.9% efficiency in $30\text{ cm}^2$ $\text{Cu}(\text{In,Ga})(\text{Se,S})_2$ solar cell sub-module by sulfurization after selenization with Cd-free buffer. <i>Progress in Photovoltaics: Research and Applications</i> , 2016, 24, 175-182.	8.1	23
5	Defect visualization of $\text{Cu}(\text{InGa})(\text{SeS})_2$ thin films using DLTS measurement. <i>Scientific Reports</i> , 2016, 6, 30554.	3.3	22
6	Effects of the $\text{Cu}/(\text{Ga}+\text{In})$ ratio on the bulk and interface properties of $\text{Cu}(\text{InGa})(\text{SSe})_2$ solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 149, 195-203.	6.2	18
7	Effect of various encapsulants for frameless glass to glass $\text{Cu}(\text{In,Ga})(\text{Se,S})_2$ photovoltaic module. <i>RSC Advances</i> , 2015, 5, 51258-51262.	3.6	15
8	Comparison of $\text{Cu}_2\text{ZnSnS}_4$ thin films and solar cell performance using Zn target with ZnS target. <i>Journal of Alloys and Compounds</i> , 2015, 650, 641-646.	5.5	14
9	High photo-conversion efficiency in double-graded $\text{Cu}(\text{In,Ga})(\text{S,Se})_2$ thin film solar cells with two-step sulfurization post-treatment. <i>Progress in Photovoltaics: Research and Applications</i> , 2017, 25, 139-148.	8.1	14
10	Influence of surface properties on the performance of $\text{Cu}(\text{In,Ga})(\text{Se,S})_2$ thin-film solar cells using Kelvin probe force microscopy. <i>RSC Advances</i> , 2015, 5, 40719-40725.	3.6	12
11	Direct evidence of void passivation in $\text{Cu}(\text{InGa})(\text{SSe})_2$ absorber layers. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	11
12	Research on decrease of cell to module loss for crystalline silicon photovoltaic module. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, 052003.	2.0	10
13	Enhancement of the photo conversion efficiencies in $\text{Cu}(\text{In,Ga})(\text{Se,S})_2$ solar cells fabricated by two-step sulfurization process. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	8
14	Investigation of the light soaking behaviors in two-step sputter and selenization $\text{Cu}(\text{In,Ga})(\text{Se,S})_2$ solar cells with different sulfur ratios. <i>Solar Energy Materials and Solar Cells</i> , 2016, 144, 467-471.	6.2	8
15	The oxidation effect of a Mo back contact on $\text{Cu}(\text{In,Ga})(\text{Se,S})$ thin-film solar modules. <i>Solar Energy Materials and Solar Cells</i> , 2016, 144, 445-450.	6.2	6
16	Homogeneous Na incorporation for industrial-scale application of $\text{Cu}(\text{In,Ga})(\text{Se,S})_2$ solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2018, 26, 112-126.	8.1	5
17	Direct band gap measurement of $\text{Cu}(\text{In,Ga})(\text{Se,S})_2$ thin films using high-resolution reflection electron energy loss spectroscopy. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	2