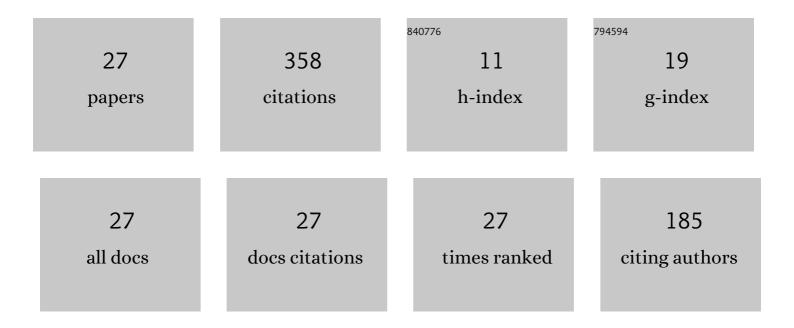
## Weihua Wu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Accurate Phase Change Behavior Characterization Of Ultrathin Sb-Rich Films Based On Superlattice-like Al/Ge10Sb90 System. Journal of Electronic Materials, 2022, 51, 190.	2.2	1
2	Uncovering the physical properties, structural characteristics, and electronic application of superlattice-like Ti/Sb phase-change thin films. Journal Physics D: Applied Physics, 2022, 55, 245102.	2.8	3
3	Crystallization properties and structural evolution of amorphous Ti-doped Sn20Sb80 thin layers induced by heating and irradiating. Journal of Applied Physics, 2022, 131, .	2.5	3
4	Physical properties and structure characteristics of titanium-modified antimony-selenium phase change thin film. Applied Physics Letters, 2021, 118, .	3.3	12
5	Thickness effect on the crystallization characteristic of RF sputtered Sb thin films. Journal of Materials Science: Materials in Electronics, 2021, 32, 24240-24247.	2.2	2
6	Performance Improvement of Sb Phase Change Thin Film by Y Doping. ECS Journal of Solid State Science and Technology, 2021, 10, 093002.	1.8	6
7	The optimization effect of titanium on the phase change properties of SnSb <sub>4</sub> thin films for phase change memory applications. CrystEngComm, 2020, 22, 5002-5009.	2.6	4
8	Investigation of crystallization behavior and structure of nanocomposite multilayer phase change thin films with zinc antimony and germanium antimony. Journal Physics D: Applied Physics, 2020, 53, 135106.	2.8	0
9	Impact of atomic vacancy on phase change and structure in GexTe1â^'x films. Journal of Materials Science: Materials in Electronics, 2020, 31, 5936-5940.	2.2	2
10	<i>In-situ</i> investigation on the crystallization property and microstructure evolution induced by thermal annealing and electron beam irradiation of titanium antimony thin film. Applied Physics Letters, 2019, 115, .	3.3	11
11	Crystallization characteristic and scaling behavior of germanium antimony thin films for phase change memory. Nanoscale, 2018, 10, 7228-7237.	5.6	33
12	Superlattice-like Sb-Ge thin films for high thermal stability and low power phase change memory. Journal of Alloys and Compounds, 2018, 738, 145-150.	5.5	11
13	Understanding the crystallization behavior and structure of titanium addition in germanium antimony phase change thin films. Journal of Materials Chemistry C, 2018, 6, 9081-9092.	5.5	28
14	Investigation of multilayer SnSb <sub>4</sub> /ZnSb thin films for phase change memory applications. Applied Physics Express, 2017, 10, 055504.	2.4	8
15	Investigation on the crystallization properties and structure of oxygen-doped Ge <sub>8</sub> Sb <sub>92</sub> phase change thin films. Journal Physics D: Applied Physics, 2017, 50, 095602.	2.8	20
16	TixSb100â^'x thin films as candidates for phase-change memory application. Applied Physics Letters, 2017, 110, .	3.3	25
17	Sb7Te3/Ge multilayer films for low power and high speed phase-change memory. Semiconductor Science and Technology, 2017, 32, 065003.	2.0	2
18	Superlattice-like Ga40Sb60/Sb films with ultra-high speed and low power for phase change memory application. Journal of Materials Science: Materials in Electronics, 2017, 28, 3806-3811.	2.2	9

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19	Multi-level storage and ultra-high speed of superlattice-like Ge <sub>50</sub> Te <sub>50</sub> /Ge <sub>8</sub> 92thin film for phase-change memory application. Nanotechnology, 2017, 28, 405206.	2.6	22
20	Study on the physical properties and structure of titanium antimony thin films for phase change memory application. Journal of Materials Science, 2017, 52, 11598-11607.	3.7	21
21	Fast switching and low power of superlattice-like SnSe <sub>2</sub> /Sb thin films for phase change memory application. Journal of Applied Physics, 2016, 120, 165106.	2.5	6
22	Improvement of the thermal stability of Sb thin film through erbium doping. CrystEngComm, 2016, 18, 6365-6369.	2.6	26
23	High speed and low power consumption of superlattice-like Ge/Sb70Se30 thin films for phase change memory application. Journal of Materials Science: Materials in Electronics, 2016, 27, 2183-2188.	2.2	14
24	Ge2Sb2Te5/Sb superlattice-like thin film for high speed phase change memory application. Applied Physics Letters, 2015, 107, .	3.3	57
25	Alx(Sn2Se3)1â^'x phase change films for high-temperature data retention and fast transition speed application. Journal of Materials Science: Materials in Electronics, 2015, 26, 7757-7762.	2.2	9
26	Improvement of the thermal stability and power consumption of Sb70Se30 through nitrogen doping. Journal of Materials Science: Materials in Electronics, 2015, 26, 9700-9706.	2.2	12
27	N-doped Zn15Sb85 phase-change materials for higher thermal stability and lower power consumption. Journal of Materials Science: Materials in Electronics, 2014, 25, 2943-2947.	2.2	11