

Takanori Asano

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

128
citations

1163117

8
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

119
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental observation of type-I energy band alignment in lattice-matched Ge _{1-x} Si _x /Sn _y /Ge heterostructures. Applied Physics Letters, 2016, 108, .	3.3	23
2	Non-uniform depth distributions of Sn concentration induced by Sn migration and desorption during GeSnSi layer formation. Applied Physics Letters, 2015, 106, .	3.3	20
3	Influence of Sn incorporation and growth temperature on crystallinity of Ge _{1-x} Sn _x layers heteroepitaxially grown on Ge(110) substrates. Thin Solid Films, 2013, 531, 504-508.	1.8	18
4	Crystallinity Improvement of Epitaxial Ge Grown on a Ge(110) Substrate by Incorporation of Sn. Applied Physics Express, 2012, 5, 015501.	2.4	14
5	Influence of Ge substrate orientation on crystalline structures of Ge _{1-x} Sn epitaxial layers. Thin Solid Films, 2014, 557, 159-163.	1.8	14
6	Epitaxial growth and crystalline properties of Ge _{1-x} Si _x Sn on Ge(001) substrates. Solid-State Electronics, 2015, 110, 49-53.	1.4	14
7	Epitaxial growth and anisotropic strain relaxation of Ge _{1-x} Sn _x layers on Ge(110) substrates. Solid-State Electronics, 2013, 83, 71-75.	1.4	11
8	Formation and characterization of Ge _{1-x} Si _x Sn _y /Ge _{1-x} Sn _x /Ge _{1-x} Si _x Sn _y double heterostructures with strain-controlled Ge _{1-x} Si _x Sn _y layers. Materials Science in Semiconductor Processing, 2017, 70, 156-161.	4.0	9
9	Defect and dislocation structures in low-temperature-grown Ge and Ge _{1-x} Sn epitaxial layers on Si(110) substrates. Thin Solid Films, 2016, 598, 72-81.	1.8	3
10	Formation of high-quality Ge _{1-x} Sn _x layer on Ge(110) substrate with strain-induced confinement of stacking faults at Ge _{1-x} Sn _x /Ge interfaces. Applied Physics Express, 2014, 7, 061301.	2.4	2