

Kaoru Toko

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4280228/kaoru-toko-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

245
papers

4,042
citations

32
h-index

49
g-index

273
ext. papers

4,725
ext. citations

2.5
avg, IF

5.7
L-index

#	Paper	IF	Citations
245	Electrical properties of poly-Ge on glass substrate grown by two-step solid-phase crystallization. <i>Solid-State Electronics</i> , 2009 , 53, 1159-1164	1.7	116
244	Flux creep and irreversibility line in high-temperature oxide superconductors. <i>Applied Physics Letters</i> , 1990 , 56, 2039-2041	3.4	113
243	Investigation of grain boundaries in BaSi ₂ epitaxial films on Si(1 1 1) substrates using transmission electron microscopy and electron-beam-induced current technique. <i>Journal of Crystal Growth</i> , 2012 , 348, 75-79	1.6	108
242	Low-temperature (180 °C) formation of large-grained Ge (111) thin film on insulator using accelerated metal-induced crystallization. <i>Applied Physics Letters</i> , 2014 , 104, 022106	3.4	88
241	Effect of amorphous Si capping layer on the hole transport properties of BaSi ₂ and improved conversion efficiency approaching 10% in p-BaSi ₂ /n-Si solar cells. <i>Applied Physics Letters</i> , 2016 , 109, 072103	3.4	82
240	Giant Ge-on-Insulator Formation by SiGe Mixing-Triggered Liquid-Phase Epitaxy. <i>Applied Physics Express</i> , 2009 , 2, 045503	2.4	79
239	Highly (111)-oriented Ge thin films on insulators formed by Al-induced crystallization. <i>Applied Physics Letters</i> , 2012 , 101, 072106	3.4	78
238	Investigation of the recombination mechanism of excess carriers in undoped BaSi ₂ films on silicon. <i>Journal of Applied Physics</i> , 2012 , 112, 083108	2.5	75
237	Multichannel taste sensor using electric potential changes in lipid membranes. <i>Biosensors and Bioelectronics</i> , 1994 , 9, 359-64	11.8	69
236	High-quality single-crystal Ge stripes on quartz substrate by rapid-melting-growth. <i>Applied Physics Letters</i> , 2009 , 95, 022115	3.4	67
235	Influence of grain size and surface condition on minority-carrier lifetime in undoped n-BaSi ₂ on Si(111). <i>Journal of Applied Physics</i> , 2014 , 115, 193510	2.5	64
234	Temperature dependent metal-induced lateral crystallization of amorphous SiGe on insulating substrate. <i>Applied Physics Letters</i> , 2006 , 89, 182120	3.4	64
233	p-BaSi ₂ /n-Si heterojunction solar cells with conversion efficiency reaching 9.0%. <i>Applied Physics Letters</i> , 2016 , 108, 152101	3.4	62
232	In-situ heavily p-type doping of over 10 ²⁰ cm ⁻³ in semiconducting BaSi ₂ thin films for solar cells applications. <i>Applied Physics Letters</i> , 2013 , 102, 112107	3.4	59
231	Determination of Bulk Minority-Carrier Lifetime in BaSi ₂ Earth-Abundant Absorber Films by Utilizing a Drastic Enhancement of Carrier Lifetime by Post-Growth Annealing. <i>Applied Physics Express</i> , 2013 , 6, 112302	2.4	58
230	Perpendicular magnetic anisotropy of Mn ₄ N films on MgO(001) and SrTiO ₃ (001) substrates. <i>Journal of Applied Physics</i> , 2014 , 115, 17A935	2.5	57
229	Ni-imprint induced solid-phase crystallization in Si _{1-x} Ge _x (x: 0.0) on insulator. <i>Applied Physics Letters</i> , 2007 , 91, 042111	3.4	56

228	70 °C synthesis of high-Sn content (25%) GeSn on insulator by Sn-induced crystallization of amorphous Ge. <i>Applied Physics Letters</i> , 2015 , 106, 082109	3.4	55
227	Molecular beam epitaxy of BaSi2 thin films on Si(001) substrates. <i>Journal of Crystal Growth</i> , 2012 , 345, 16-21	1.6	53
226	High-hole mobility polycrystalline Ge on an insulator formed by controlling precursor atomic density for solid-phase crystallization. <i>Scientific Reports</i> , 2017 , 7, 16981	4.9	51
225	High-Electrical-Conductivity Multilayer Graphene Formed by Layer Exchange with Controlled Thickness and Interlayer. <i>Scientific Reports</i> , 2019 , 9, 4068	4.9	48
224	Orientation Control of Large-Grained Si Films on Insulators by Thickness-Modulated Al-Induced Crystallization. <i>Crystal Growth and Design</i> , 2013 , 13, 1767-1770	3.5	43
223	Improved photoresponsivity of semiconducting BaSi2 epitaxial films grown on a tunnel junction for thin-film solar cells. <i>Applied Physics Letters</i> , 2012 , 100, 152114	3.4	42
222	Chip-size formation of high-mobility Ge strips on SiN films by cooling rate controlled rapid-melting growth. <i>Applied Physics Letters</i> , 2011 , 99, 032103	3.4	42
221	Current-voltage characteristics and self-sustained oscillations in dioleoyl phosphate-millipore membranes. <i>Biophysical Chemistry</i> , 1984 , 20, 39-59	3.5	42
220	Impact of Ba to Si deposition rate ratios during molecular beam epitaxy on carrier concentration and spectral response of BaSi2 epitaxial films. <i>Journal of Applied Physics</i> , 2018 , 123, 045703	2.5	41
219	Analysis of the electrical properties of Cr/n-BaSi2 Schottky junction and n-BaSi2/p-Si heterojunction diodes for solar cell applications. <i>Journal of Applied Physics</i> , 2014 , 115, 223701	2.5	41
218	Fabrication and characterization of polycrystalline BaSi2 by RF sputtering. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 1759-1761		39
217	Electrical characterization and conduction mechanism of impurity-doped BaSi2 films grown on Si(111) by molecular beam epitaxy. <i>Thin Solid Films</i> , 2012 , 522, 95-99	2.2	37
216	Selective formation of large-grained, (100)- or (111)-oriented Si on glass by Al-induced layer exchange. <i>Journal of Applied Physics</i> , 2014 , 115, 094301	2.5	36
215	Sign of the spin-polarization in cobalt-iron nitride films determined by the anisotropic magnetoresistance effect. <i>Journal of Applied Physics</i> , 2014 , 116, 053912	2.5	35
214	Influence of air exposure duration and a-Si capping layer thickness on the performance of p-BaSi2/n-Si heterojunction solar cells. <i>AIP Advances</i> , 2016 , 6, 085107	1.5	34
213	Operation of BaSi2 homojunction solar cells on p+-Si(111) substrates and the effect of structure parameters on their performance. <i>Applied Physics Express</i> , 2019 , 12, 041005	2.4	32
212	Epitaxial growth and magnetic characterization of ferromagnetic Co4N thin films on SrTiO3(001) substrates by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2011 , 336, 40-43	1.6	32
211	Relation of growth process to spatial patterns of electric potential and enzyme activity in bean roots. <i>Biophysical Chemistry</i> , 1987 , 27, 39-58	3.5	32

210	Oscillations of electrical potential along a root of a higher plant. <i>Biophysical Journal</i> , 1990 , 57, 269-79	2.9	30
209	Fabrication and characterization of BaSi ₂ epitaxial films over 1 μm in thickness on Si(111). <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 04ER04	1.4	29
208	On the oscillatory phenomenon in an oil/water interface. <i>Biophysical Chemistry</i> , 1985 , 22, 151-8	3.5	29
207	Improving carrier mobility of polycrystalline Ge by Sn doping. <i>Scientific Reports</i> , 2018 , 8, 14832	4.9	28
206	Precipitation control and activation enhancement in boron-doped p+-BaSi ₂ films grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2014 , 104, 252104	3.4	27
205	Low-Temperature (~ 250°C) Cu-Induced Lateral Crystallization of Amorphous Ge on Insulator. <i>Electrochemical and Solid-State Letters</i> , 2011 , 14, H274		27
204	Formation of polycrystalline BaSi ₂ films by radio-frequency magnetron sputtering for thin-film solar cell applications. <i>Thin Solid Films</i> , 2013 , 534, 116-119	2.2	26
203	Improved Surface Quality of the Metal-Induced Crystallized Ge Seed Layer and Its Influence on Subsequent Epitaxy. <i>Crystal Growth and Design</i> , 2015 , 15, 1535-1539	3.5	26
202	Evaluation of potential variations around grain boundaries in BaSi ₂ epitaxial films by Kelvin probe force microscopy. <i>Applied Physics Letters</i> , 2013 , 103, 142113	3.4	26
201	Al-Induced oriented-crystallization of Si films on quartz and its application to epitaxial template for Ge growth. <i>Solid-State Electronics</i> , 2011 , 60, 7-12	1.7	26
200	Perpendicular magnetic anisotropy in Co _x Mn _{4-x} N (x = 0 and 0.2) epitaxial films and possibility of tetragonal Mn ₄ N phase. <i>AIP Advances</i> , 2016 , 6, 056201	1.5	25
199	p-BaSi ₂ /n-Si heterojunction solar cells on Si(001) with conversion efficiency approaching 10%: comparison with Si(111). <i>Applied Physics Express</i> , 2018 , 11, 062301	2.4	25
198	Negative spin polarization at the Fermi level in Fe ₄ N epitaxial films by spin-resolved photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2012 , 112, 013911	2.5	25
197	Stabilization effect of protons and divalent cations on membrane structures of lipids. <i>Biophysical Chemistry</i> , 1981 , 14, 11-23	3.5	25
196	Direct synthesis of multilayer graphene on an insulator by Ni-induced layer exchange growth of amorphous carbon. <i>Applied Physics Letters</i> , 2017 , 110, 033108	3.4	24
195	Simple way of finding Ba to Si deposition rate ratios for high photoresponsivity in BaSi ₂ films by Raman spectroscopy. <i>Applied Physics Express</i> , 2019 , 12, 055506	2.4	24
194	N-type doping of BaSi ₂ epitaxial films by phosphorus ion implantation and thermal annealing. <i>Thin Solid Films</i> , 2014 , 557, 90-93	2.2	23
193	Evaluation of band offset at amorphous-Si/BaSi ₂ interfaces by hard x-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2016 , 119, 165304	2.5	23

192	Metal-induced layer exchange of group IV materials. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 3730023		22
191	X-ray magnetic circular dichroism of ferromagnetic Co ₄ N epitaxial films on SrTiO ₃ (001) substrates grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2011 , 99, 252501	3.4	22
190	Defect-free single-crystal Ge island arrays on insulator by rapid-melting-growth combined with seed-positioning technique. <i>Applied Physics Letters</i> , 2009 , 95, 112107	3.4	21
189	Potential variations around grain boundaries in impurity-doped BaSi ₂ epitaxial films evaluated by Kelvin probe force microscopy. <i>Journal of Applied Physics</i> , 2014 , 116, 123709	2.5	20
188	N-type doping of BaSi ₂ epitaxial films by arsenic ion implantation through a dose-dependent carrier generation mechanism. <i>Thin Solid Films</i> , 2014 , 567, 105-108	2.2	20
187	High-quality multilayer graphene on an insulator formed by diffusion controlled Ni-induced layer exchange. <i>Applied Physics Letters</i> , 2017 , 111, 243104	3.4	20
186	High hole mobility (500 cm ² V ⁻¹ s ⁻¹) polycrystalline Ge films on GeO ₂ -coated glass and plastic substrates. <i>Applied Physics Express</i> , 2019 , 12, 015508	2.4	20
185	Control of grain size and crystallinity of poly-Si films on quartz by Al-induced crystallization. <i>CrystEngComm</i> , 2017 , 19, 2305-2311	3.3	19
184	Magnetic and magneto-transport properties of Mn ₄ N thin films by Ni substitution and their possibility of magnetic compensation. <i>Journal of Applied Physics</i> , 2019 , 125, 213902	2.5	19
183	Vertically Aligned Ge Nanowires on Flexible Plastic Films Synthesized by (111)-Oriented Ge Seeded Vapor-Liquid-Solid Growth. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 18120-4	9.5	19
182	Lattice and grain-boundary diffusions of boron atoms in BaSi ₂ epitaxial films on Si(111). <i>Journal of Applied Physics</i> , 2013 , 113, 053511	2.5	19
181	Dependence of crystal orientation in Al-induced crystallized poly-Si layers on SiO ₂ insertion layer thickness. <i>Journal of Crystal Growth</i> , 2012 , 356, 65-69	1.6	19
180	Indentation-induced low-temperature solid-phase crystallization of Si _{1-x} Ge _x (x=0-1) on insulator. <i>Applied Physics Letters</i> , 2009 , 94, 192106	3.4	19
179	Advanced solid-phase crystallization for high-hole mobility (450 cm ² V ⁻¹ s ⁻¹) Ge thin film on insulator. <i>Applied Physics Express</i> , 2018 , 11, 031302	2.4	18
178	X-ray magnetic circular dichroism for Co _x Fe _{4-x} N (x = 0, 3, 4) films grown by molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2014 , 115, 17C712	2.5	18
177	Single-crystalline (100) Ge networks on insulators by rapid-melting growth along hexagonal mesh-pattern. <i>Applied Physics Letters</i> , 2011 , 98, 042101	3.4	18
176	Polycrystalline thin-film transistors fabricated on high-mobility solid-phase-crystallized Ge on glass. <i>Applied Physics Letters</i> , 2019 , 114, 212107	3.4	17
175	Direct synthesis of highly textured Ge on flexible polyimide films by metal-induced crystallization. <i>Applied Physics Letters</i> , 2014 , 104, 262107	3.4	17

174	Orientation control of Ge thin films by underlayer-selected Al-induced crystallization. <i>CrystEngComm</i> , 2014 , 16, 2578	3.3	17
173	Low temperature synthesis of highly oriented p-type Si _{1-x} Ge _x (x: 0.1) on an insulator by Al-induced layer exchange. <i>Journal of Applied Physics</i> , 2017 , 122, 155305	2.5	17
172	(100) Orientation-Controlled Ge Giant-Stripes on Insulating Substrates by Rapid-Melting Growth Combined with Si Micro-Seed Technique. <i>Applied Physics Express</i> , 2010 , 3, 075603	2.4	17
171	Measurement of valence-band offset at native oxide/BaSi ₂ interfaces by hard x-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2016 , 119, 025306	2.5	17
170	Thermoelectric Inorganic SiGe Film Synthesized on Flexible Plastic Substrate. <i>ACS Applied Energy Materials</i> , 2018 ,	6.1	17
169	Local electronic states of Fe ₄ N films revealed by x-ray absorption spectroscopy and x-ray magnetic circular dichroism. <i>Journal of Applied Physics</i> , 2015 , 117, 193906	2.5	16
168	Epitaxial growth and magnetic properties of Fe _{4-x} Mn _x N thin films grown on MgO(0 0 1) substrates by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2018 , 489, 20-23	1.6	16
167	Detection of local vibrational modes induced by intrinsic defects in undoped BaSi ₂ light absorber layers using Raman spectroscopy. <i>Journal of Applied Physics</i> , 2018 , 124, 025301	2.5	16
166	Evaluation of minority carrier diffusion length of undoped n-BaSi ₂ epitaxial thin films on Si(001) substrates by electron-beam-induced-current technique. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 078004	1.4	16
165	Double-Layered Ge Thin Films on Insulators Formed by an Al-Induced Layer-Exchange Process. <i>Crystal Growth and Design</i> , 2013 , 13, 3908-3912	3.5	16
164	Large-Grained Polycrystalline (111) Ge Films on Insulators by Thickness-Controlled Al-Induced Crystallization. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, Q195-Q199	2	16
163	High Quality Single-Crystalline Ge-Rich SiGe on Insulator Structures by Si-Doping Controlled Rapid Melting Growth. <i>Applied Physics Express</i> , 2010 , 3, 031301	2.4	16
162	Defect-free Ge-on-insulator with (100), (110), and (111) orientations by growth-direction-selected rapid-melting growth. <i>Applied Physics Letters</i> , 2010 , 97, 152101	3.4	16
161	Growth and electric current loops in plants. <i>Biophysical Chemistry</i> , 1989 , 33, 161-76	3.5	16
160	Millimeter-sized magnetic domains in perpendicularly magnetized ferrimagnetic Mn ₄ N thin films grown on SrTiO ₃ . <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 120310	1.4	16
159	Metal Catalysts for Layer-Exchange Growth of Multilayer Graphene. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41664-41669	9.5	16
158	Formation of BaSi ₂ heterojunction solar cells using transparent MoO _x hole transport layers. <i>Applied Physics Letters</i> , 2015 , 106, 122104	3.4	15
157	Strong correlation between uniaxial magnetic anisotropic constant and in-plane tensile strain in Mn ₄ N epitaxial films. <i>AIP Advances</i> , 2020 , 10, 025117	1.5	15

156	Structural study on phosphorus doping of BaSi ₂ epitaxial films by ion implantation. <i>Thin Solid Films</i> , 2013 , 534, 470-473	2.2	15
155	Mechanism of strain relaxation in BaSi ₂ epitaxial films on Si(111) substrates during post-growth annealing and application for film exfoliation. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 1677-1680		15
154	Negative Anisotropic Magnetoresistance in γ -Fe ₄ N Epitaxial Films on SrTiO ₃ (001) Grown by Molecular Beam Epitaxy. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 0680014	1.4	15
153	Marked enhancement of the photoresponsivity and minority-carrier lifetime of BaSi ₂ passivated with atomic hydrogen. <i>Physical Review Materials</i> , 2019 , 3,	3.2	15
152	Molecular beam epitaxy growth of Mn ₄ N thin films on MgO(0 0 1) substrates and their magnetic properties. <i>Journal of Crystal Growth</i> , 2019 , 507, 163-167	1.6	15
151	Significant photoresponsivity enhancement of polycrystalline BaSi ₂ films formed on heated Si(111) substrates by sputtering. <i>Applied Physics Express</i> , 2018 , 11, 071401	2.4	15
150	Effect of p-BaSi ₂ layer thickness on the solar cell performance of p-BaSi ₂ /n-Si heterojunction solar cells. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 05DB03	1.4	14
149	Sb-doped crystallization of densified precursor for n-type polycrystalline Ge on an insulator with high carrier mobility. <i>Applied Physics Letters</i> , 2019 , 114, 082105	3.4	14
148	Magnetic reversal in rare-earth free Mn ₄ N _x N epitaxial films below and above Ni composition needed for magnetic compensation around room temperature. <i>Journal of Applied Physics</i> , 2020 , 127, 043903	2.5	14
147	Orientation control of intermediate-composition SiGe on insulator by low-temperature Al-induced crystallization. <i>Scripta Materialia</i> , 2016 , 122, 86-88	5.6	14
146	Photoresponse properties of undoped BaSi ₂ epitaxial layers on n ⁺ -BaSi ₂ /p ⁺ -Si(001) by molecular beam epitaxy. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 058007	1.4	14
145	Fabrication and characterizations of phosphorus-doped n-type BaSi ₂ epitaxial films grown by molecular beam epitaxy. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 1753-1755		14
144	Spectroscopic evidence of photogenerated carrier separation by built-in electric field in Sb-doped n-BaSi ₂ /B-doped p-BaSi ₂ homojunction diodes. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 050310	1.4	14
143	Temperature dependent Al-induced crystallization of amorphous Ge thin films on SiO ₂ substrates. <i>Journal of Crystal Growth</i> , 2013 , 372, 189-192	1.6	13
142	Molecular beam epitaxy of boron doped p-type BaSi ₂ epitaxial films on Si(111) substrates for thin-film solar cells. <i>Journal of Crystal Growth</i> , 2013 , 378, 201-204	1.6	13
141	Rotational and vibrational temperatures in a hydrogen discharge with a magnetic X-point. <i>Physics of Plasmas</i> , 2012 , 19, 123503	2.1	13
140	High-quality formation of multiply stacked SiGe-on-insulator structures by temperature-modulated successive rapid-melting-growth. <i>Applied Physics Letters</i> , 2013 , 102, 092102	3.4	13
139	Hard x-ray photoelectron spectroscopy study on valence band structure of semiconducting BaSi ₂ . <i>Journal of Applied Physics</i> , 2013 , 114, 123702	2.5	13

138	Three-step growth of highly photoresponsive BaSi ₂ light absorbing layers with uniform Ba to Si atomic ratios. <i>Journal of Applied Physics</i> , 2019 , 126, 215301	2.5	13
137	Low-Temperature (400 °C) Synthesis of Multilayer Graphene by Metal-Assisted Sputtering Deposition. <i>ACS Omega</i> , 2019 , 4, 6677-6680	3.9	12
136	Growth promotion of Al-induced crystallized Ge films on insulators by insertion of a Ge membrane below the Al layer. <i>Thin Solid Films</i> , 2014 , 557, 143-146	2.2	12
135	Low-temperature crystallization of amorphous silicon and amorphous germanium by soft X-ray irradiation. <i>Thin Solid Films</i> , 2013 , 534, 334-340	2.2	12
134	Silver-induced layer exchange for polycrystalline germanium on a flexible plastic substrate. <i>Journal of Applied Physics</i> , 2017 , 122, 215305	2.5	12
133	Mesh-shape-and-size controlled rapid-melting growth for the formation of single-crystalline (100), (110), and (111) Ge networks on insulators. <i>Applied Physics Letters</i> , 2011 , 98, 182107	3.4	12
132	Epitaxial growth and magnetic properties of Ni _x Fe _{4-x} N (x = 0, 1, 3, and 4) films on SrTiO ₃ (001) substrates. <i>Journal of Applied Physics</i> , 2016 , 120, 083907	2.5	12
131	High-electron-mobility (370 cm ² /Vs) polycrystalline Ge on an insulator formed by As-doped solid-phase crystallization. <i>Scientific Reports</i> , 2019 , 9, 16558	4.9	12
130	Manipulation of saturation magnetization and perpendicular magnetic anisotropy in epitaxial CoMn ₄ N films with ferrimagnetic compensation. <i>Physical Review B</i> , 2020 , 101,	3.3	11
129	Molecular beam epitaxy of Co Fe ₄ N (0.4. <i>Journal of Crystal Growth</i> , 2012 , 357, 53-57	1.6	11
128	Magnetic compensation at two different composition ratios in rare-earth-free Mn ₄ CoxN ferrimagnetic films. <i>Physical Review Materials</i> , 2020 , 4,	3.2	11
127	Enhanced spectral response of semiconducting BaSi ₂ films by oxygen incorporation. <i>Thin Solid Films</i> , 2017 , 629, 17-21	2.2	10
126	Solid-phase crystallization of densified amorphous GeSn leading to high hole mobility (540 cm ² /V s). <i>Applied Physics Letters</i> , 2019 , 114, 112110	3.4	10
125	Influence of Substrate on Crystal Orientation of Large-Grained Si Thin Films Formed by Metal-Induced Crystallization. <i>International Journal of Photoenergy</i> , 2015 , 2015, 1-7	2.1	10
124	Electronic structures and magnetic moments of Co ₃ FeN thin films grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2013 , 103, 232403	3.4	10
123	Spontaneous formation of the spatial pattern of electric potential in biological systems. <i>Ferroelectrics</i> , 1988 , 86, 269-279	0.6	10
122	Impact of deposition pressure and two-step growth technique on the photoresponsivity enhancement of polycrystalline BaSi ₂ films formed by sputtering. <i>Applied Physics Express</i> , 2019 , 12, 021004	2.4	9
121	80 °C synthesis of thermoelectric nanocrystalline Ge film on flexible plastic substrate by Zn-induced layer exchange. <i>Applied Physics Express</i> , 2019 , 12, 055501	2.4	9

120	Perpendicular magnetic anisotropy in ferrimagnetic Mn ₄ N films grown on (LaAlO ₃) _{0.3} (Sr ₂ TaAlO ₆) _{0.7} (001) substrates by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2020 , 535, 125566	1.6	9
119	Characterization of defect levels in undoped n-BaSi ₂ epitaxial films on Si(111) by deep-level transient spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 07JE01	1.4	9
118	High-hole mobility Si _{1-x} Ge _x (0.1 ≤ x ≤ 1) on an insulator formed by advanced solid-phase crystallization. <i>Journal of Alloys and Compounds</i> , 2018 , 766, 417-420	5.7	9
117	Effects of flexible substrate thickness on Al-induced crystallization of amorphous Ge thin films. <i>Thin Solid Films</i> , 2015 , 583, 221-225	2.2	8
116	Zn-induced layer exchange of p- and n-type nanocrystalline SiGe layers for flexible thermoelectrics. <i>Applied Physics Letters</i> , 2020 , 116, 182105	3.4	8
115	Atomic hydrogen passivation for photoresponsivity enhancement of boron-doped p-BaSi ₂ films and performance improvement of boron-doped p-BaSi ₂ /n-Si heterojunction solar cells. <i>Journal of Applied Physics</i> , 2020 , 127, 233104	2.5	8
114	Self-organization of Ge(111)/Al/glass structures through layer exchange in metal-induced crystallization. <i>CrystEngComm</i> , 2014 , 16, 9590-9595	3.3	8
113	Multilayer graphene on insulator formed by Co-induced layer exchange. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 05DE03	1.4	8
112	Dynamic property of membrane formation in a protoplasmic droplet of <i>Nitella</i> . <i>Biophysical Chemistry</i> , 1985 , 21, 295-313	3.5	8
111	Negative Anisotropic Magnetoresistance in MnFe ₄ N Epitaxial Films on SrTiO ₃ (001) Grown by Molecular Beam Epitaxy. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 068001	1.4	8
110	Strain effects on polycrystalline germanium thin films. <i>Scientific Reports</i> , 2021 , 11, 8333	4.9	8
109	Investigation of electrically active defects in undoped BaSi ₂ light absorber layers using deep-level transient spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 075801	1.4	8
108	Investigation of native defects in BaSi ₂ epitaxial films by electron paramagnetic resonance. <i>Applied Physics Express</i> , 2019 , 12, 061005	2.4	7
107	High photoresponsivity in a GaAs film synthesized on glass using a pseudo-single-crystal Ge seed layer. <i>Applied Physics Letters</i> , 2019 , 114, 142103	3.4	7
106	Growth of BaSi ₂ continuous films on Ge(111) by molecular beam epitaxy and fabrication of p-BaSi ₂ /n-Ge heterojunction solar cells. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 05DB02	1.4	7
105	Diffusion coefficients of impurity atoms in BaSi ₂ epitaxial films grown by molecular beam epitaxy. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 04ER02	1.4	7
104	Lattice and grain-boundary diffusions of impurity atoms in BaSi ₂ epitaxial layers grown by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2013 , 378, 189-192	1.6	7
103	Structural characterization of polycrystalline Ge thin films on insulators formed by diffusion-enhanced Al-induced layer exchange. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 04EH03	1.4	7

102	Molecular Beam Epitaxy of BaSi ₂ Films with Grain Size over 4 μm on Si(111). <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 098003	1.4	7
101	Growth and magnetic properties of epitaxial Fe ₄ N films on insulators possessing lattice spacing close to Si(001) plane. <i>Journal of Crystal Growth</i> , 2016 , 455, 66-70	1.6	7
100	Improving the photoresponse spectra of BaSi ₂ layers by capping with hydrogenated amorphous Si layers prepared by radio-frequency hydrogen plasma. <i>AIP Advances</i> , 2018 , 8, 055306	1.5	7
99	Boron-doped p-BaSi ₂ /n-Si solar cells formed on textured n-Si(0 0 1) with a pyramid structure consisting of {1 1 1} facets. <i>Journal of Crystal Growth</i> , 2017 , 475, 186-191	1.6	6
98	Fabrication of As-doped n-type BaSi ₂ epitaxial films grown by molecular beam epitaxy. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SFFA01	1.4	6
97	Improved thermoelectric performance of flexible p-type SiGe films by B-doped Al-induced layer exchange. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 075105	3	6
96	Reduction in interface defect density in p-BaSi ₂ /n-Si heterojunction solar cells by a modified pretreatment of the Si substrate. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 025501	1.4	6
95	Control of electrical properties of BaSi ₂ thin films by alkali-metal doping using alkali-metal fluorides. <i>Thin Solid Films</i> , 2016 , 603, 218-223	2.2	6
94	Investigation of defect levels in BaSi ₂ epitaxial films by photoluminescence and the effect of atomic hydrogen passivation. <i>Journal of Physics Communications</i> , 2019 , 3, 075005	1.2	6
93	Large-grained (111)-oriented Si/Al/SiO ₂ structures formed by diffusion-controlled Al-induced layer exchange. <i>Thin Solid Films</i> , 2014 , 557, 147-150	2.2	6
92	Transfer-free synthesis of highly ordered Ge nanowire arrays on glass substrates. <i>Applied Physics Letters</i> , 2015 , 107, 133102	3.4	6
91	Potential variation around grain boundaries in BaSi ₂ films grown on multicrystalline silicon evaluated using Kelvin probe force microscopy. <i>Journal of Applied Physics</i> , 2014 , 116, 235301	2.5	6
90	Al-induced crystallization of amorphous Ge thin films on conducting layer coated glass substrates. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 04EH01	1.4	6
89	Structural Study of BF ₂ Ion Implantation and Post Annealing of BaSi ₂ Epitaxial Films. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 121202	1.4	6
88	Nucleation-Controlled Metal-Induced Lateral Crystallization of Amorphous Si _{1-x} Ge _x with Whole Ge Fraction on Insulator. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1876-1879	1.4	6
87	Electrical characteristics in an excitable element of lipid membrane. <i>Biophysical Chemistry</i> , 1991 , 41, 143-156	3.5	6
86	Impact of radio-frequency power on the photoresponsivity enhancement of BaSi ₂ films formed by sputtering. <i>Applied Physics Express</i> , 2020 , 13, 085511	2.4	6
85	Molecular Beam Epitaxy of BaSi ₂ Films with Grain Size over 4 μm on Si(111). <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 098003	1.4	6

84	Influence of Ba-to-Si deposition rate ratios on the electrical and optical properties of B-doped BaSi ₂ epitaxial films. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SFFA04	1.4	6
83	350 °C synthesis of high-quality multilayer graphene on an insulator using Ni-induced layer exchange. <i>Applied Physics Express</i> , 2020 , 13, 055502	2.4	6
82	Formation of high-photoresponsivity BaSi ₂ films on glass substrate by radio-frequency sputtering for solar cell applications. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 135106	3	6
81	Effects of Al grain size on metal-induced layer exchange growth of amorphous Ge thin film on glass substrate. <i>Thin Solid Films</i> , 2017 , 626, 190-193	2.2	5
80	Mössbauer study on epitaxial Co _x Fe _{4-x} N films grown by molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2015 , 117, 17B717	2.5	5
79	Significant enhancement of photoresponsivity in As-doped n-BaSi ₂ epitaxial films by atomic hydrogen passivation. <i>Applied Physics Express</i> , 2020 , 13, 051001	2.4	5
78	Formation of large-grain-sized BaSi ₂ epitaxial layers grown on Si(111) by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2013 , 378, 193-197	1.6	5
77	Epitaxial growth of ferromagnetic Co _x Fe _{4-x} N thin films on SrTiO ₃ (001) and magnetic properties. <i>Journal of Crystal Growth</i> , 2013 , 378, 342-346	1.6	5
76	Minority-carrier lifetime and photoresponse properties of B-doped p-BaSi ₂ , a potential light absorber for solar cells. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 05DB01	1.4	5
75	Nano-lithography free formation of high density Ge-on-insulator network for epitaxial template. <i>Applied Physics Letters</i> , 2012 , 100, 092111	3.4	5
74	High-Hole-Mobility Single-Crystalline Ge Thin Films Formed on Insulating Substrates by SiGe Mixing-Triggered Directional Melting Growth. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 04DA08	1.4	5
73	SiGe-Mixing-Triggered Rapid-Melting-Growth of High-Mobility Ge-On-Insulator. <i>Key Engineering Materials</i> , 2011 , 470, 8-13	0.4	5
72	Epitaxy of Orthorhombic BaSi ₂ with Preferential In-Plane Crystal Orientation on Si(001): Effects of Vicinal Substrate and Annealing Temperature. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 095501	1.4	5
71	Theory of electric dissipative structure in Characean internode. <i>Biophysical Chemistry</i> , 1987 , 27, 149-72	3.5	5
70	Mechanisms of carrier lifetime enhancement and conductivity-type switching on hydrogen-incorporated arsenic-doped BaSi ₂ . <i>Thin Solid Films</i> , 2021 , 724, 138629	2.2	5
69	Drastic enhancement of photoresponsivity in C-doped BaSi ₂ films formed by radio-frequency sputtering. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SFFA06	1.4	4
68	Impact of Amorphous-C/Ni Multilayers on Ni-Induced Layer Exchange for Multilayer Graphene on Insulators. <i>ACS Omega</i> , 2019 , 4, 14251-14254	3.9	4
67	Large photoresponsivity in semiconducting BaSi ₂ epitaxial films grown on Si(001) substrates by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2013 , 378, 198-200	1.6	4

66	Effect of interlayer on silver-induced layer exchange crystallization of amorphous germanium thin film on insulator. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 05DE04	1.4	4
65	Formation of single-crystalline Ge stripes on quartz substrates by SiGe mixing-triggered liquid-phase epitaxy. <i>Thin Solid Films</i> , 2010 , 518, S179-S181	2.2	4
64	Fe-induced layer exchange of multilayer graphene for rechargeable battery anodes. <i>Applied Physics Express</i> , 2020 , 13, 025501	2.4	4
63	Comparison of C doping technique between SiC and C targets for high-photoresponsivity BaSi ₂ films by radio-frequency sputtering. <i>Japanese Journal of Applied Physics</i> , 2021 , 60, 058001	1.4	4
62	Thickness-dependent thermoelectric properties of Si _{1-x} Ge _x films formed by Al-induced layer exchange. <i>Journal of Applied Physics</i> , 2021 , 129, 015303	2.5	4
61	Effect of BaSi ₂ template growth duration on the generation of defects and performance of p-BaSi ₂ /n-Si heterojunction solar cells. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 042301	1.4	4
60	Highly oriented epitaxial (Fe _{1-x} N ₂) ₂ films on Fe(001) buffered MgAl ₂ O ₄ (001) substrates and their magnetization. <i>Journal of Crystal Growth</i> , 2017 , 468, 691-695	1.6	3
59	Fabrication of L-shaped Fe ₄ N ferromagnetic narrow wires and position control of magnetic domain wall with magnetic field. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 028003	1.4	3
58	Cross-sectional potential profile across a BaSi ₂ pn junction by Kelvin probe force microscopy. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 030306	1.4	3
57	Improving photoresponsivity in GaAs film grown on Al-induced-crystallized Ge on an insulator. <i>AIP Advances</i> , 2020 , 10, 015153	1.5	3
56	Structural characterization and magnetic properties of L ₁₀ -MnAl films grown on different underlayers by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2018 , 486, 19-23	1.6	3
55	Correlation of native defects between epitaxial films and polycrystalline BaSi ₂ bulks based on photoluminescence spectra. <i>Applied Physics Express</i> , 2019 , 12, 111001	2.4	3
54	Effects of molecular beam epitaxy growth conditions on grain size and lattice strain in a-axis-oriented BaSi ₂ films. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SFFA09	1.4	3
53	Modeling the effects of defect parameters on the performance of a p-BaSi ₂ /n-Si heterojunction solar cell. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 205, 110244	6.4	3
52	Thin-film thermoelectric generator based on polycrystalline SiGe formed by Ag-induced layer exchange. <i>Applied Physics Letters</i> , 2020 , 117, 162103	3.4	3
51	Layer exchange synthesis of multilayer graphene. <i>Nanotechnology</i> , 2021 , 32,	3.4	3
50	Composition dependent properties of p- and n-type polycrystalline group-IV alloy thin films. <i>Journal of Alloys and Compounds</i> , 2021 , 887, 161306	5.7	3
49	Minority carrier lifetime of Ge film epitaxial grown on a large-grain seed layer on glass. <i>Thin Solid Films</i> , 2019 , 681, 98-102	2.2	2

48	Effects of boron and hydrogen doping on the enhancement of photoresponsivity and photoluminescence of BaSi ₂ epitaxial films. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SFFA08	1.4	2
47	Decrease in electrical contact resistance of Sb-doped n+-BaSi ₂ layers and spectral response of an Sb-doped n+-BaSi ₂ /undoped BaSi ₂ structure for solar cells. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 031202	1.4	2
46	Effect of atomic-hydrogen irradiation on reduction of residual carrier concentration in FeSi ₂ films grown on Si substrates by atomic-hydrogen-assisted molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2013 , 378, 365-367	1.6	2
45	Position-Controlled Growth of SiGe Crystal Grains on Insulator by Indentation-Induced Solid-Phase Crystallization. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 03B007	1.4	2
44	Growth-direction-dependent characteristics of Ge-on-insulator by SiGe mixing triggered melting growth. <i>Solid-State Electronics</i> , 2011 , 60, 18-21	1.7	2
43	Realization of Large-Domain Barium Disilicide Epitaxial Thin Film by Introduction of Miscut to Si(111) Substrate. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 10NB06	1.4	2
42	Low-temperature solid-phase crystallization of amorphous SiGe films on glass by imprint technique. <i>Solid-State Electronics</i> , 2008 , 52, 1221-1224	1.7	2
41	Growth conditions for high-photoresponsivity randomly oriented polycrystalline BaSi ₂ films by radio-frequency sputtering: Comparison with BaSi ₂ epitaxial films. <i>Applied Physics Express</i> , 2022 , 15, 025502	2.4	2
40	Four-step heating process for solid-phase crystallization of Ge leading to high carrier mobility. <i>Applied Physics Express</i> , 2020 , 13, 101005	2.4	2
39	Structural Study of BF ₂ Ion Implantation and Post Annealing of BaSi ₂ Epitaxial Films. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 121202	1.4	2
38	Multilayer Graphene Battery Anodes on Plastic Sheets for Flexible Electronics. <i>ACS Applied Energy Materials</i> , 2020 , 3, 8410-8414	6.1	2
37	Influence of grain boundaries on the properties of polycrystalline germanium. <i>Journal of Applied Physics</i> , 2020 , 128, 075301	2.5	2
36	Solar cell operation of sputter-deposited n-BaSi ₂ /p-Si heterojunction diodes and characterization of defects by deep-level transient spectroscopy. <i>Applied Physics Express</i> , 2021 , 14, 051010	2.4	2
35	Effect of post-annealing on the significant photoresponsivity enhancement of BaSi ₂ epitaxial films on Si(111). <i>Applied Physics Express</i> , 2021 , 14, 021003	2.4	2
34	Effect of Diffusion Control Layer on Reverse Al-Induced Layer Exchange Process for High-Quality Ge/Al/Glass Structure. <i>Journal of Electronic Materials</i> , 2015 , 44, 1377-1381	1.9	1
33	Fabrication of high-photoresponsivity BaSi ₂ films formed on conductive layers by radio-frequency sputtering. <i>Applied Physics Express</i> , 2020 , 13, 075506	2.4	1
32	Impact of the carbon membrane inserted below Ni in the layer exchange of multilayer graphene. <i>CrystEngComm</i> , 2020 , 22, 3106-3109	3.3	1
31	Fabrication of SrGe thin films on Ge (100), (110), and (111) substrates. <i>Nanoscale Research Letters</i> , 2018 , 13, 22	5	1

30	Coherent lateral-growth of Ge over insulating film by rapid-melting-crystallization. <i>Thin Solid Films</i> , 2014 , 557, 135-138	2.2	1
29	Evaluation of diffusion coefficients of n-type impurities in MBE-grown BaSi ₂ epitaxial layers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 1762-1764		1
28	2015 ,		1
27	Atomically-Coherent-Coalescence of Two Growth-Fronts in Ge Stripes on Insulator by Rapid-Melting Lateral-Crystallization. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, P54-P57 ²		1
26	Investigation of the tunneling properties and surface morphologies of BaSi ₂ /Si tunnel junctions for BaSi ₂ solar cell applications. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 1765-1768		1
25	Fabrication of BaSi ₂ films on (111)-oriented Si layers formed by inverted Al-induced crystallization method on glass structure. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 1769-1772		1
24	Epitaxial growth of BaSi ₂ films with large grains using vicinal Si(111) substrates. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 1756-1758		1
23	Growth-Direction Dependent Rapid-Melting-Growth of Ge-On-Insulator (GOI) and its Application to Ge Mesh-Growth. <i>ECS Transactions</i> , 2011 , 35, 55-60	1	1
22	Strained single-crystal GOI (Ge on Insulator) arrays by rapid-melting growth from Si (111) micro-seeds. <i>Solid-State Electronics</i> , 2011 , 60, 22-25	1.7	1
21	Effect of Solid-Phase-Epitaxy Si Layers on Suppression of Sb Diffusion from Sb-Doped n ⁺ -BaSi ₂ /p ⁺ -Si Tunnel Junction to Undoped BaSi ₂ Overlayers. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 04DP01	1.4	1
20	High-temperature post-annealing effect on the surface morphology and photoresponse and electrical properties of B-doped BaSi ₂ films grown by molecular beam epitaxy under various Ba-to-Si deposition rate ratios. <i>Journal of Crystal Growth</i> , 2022 , 578, 126429	1.6	1
19	Effect of Solid-Phase-Epitaxy Si Layers on Suppression of Sb Diffusion from Sb-Doped n ⁺ -BaSi ₂ /p ⁺ -Si Tunnel Junction to Undoped BaSi ₂ Overlayers. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 04DP01	1.4	1
18	Epitaxy of Orthorhombic BaSi ₂ with Preferential In-Plane Crystal Orientation on Si(001): Effects of Vicinal Substrate and Annealing Temperature. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 095501	1.4	1
17	Grain size dependent photoresponsivity in GaAs films formed on glass with Ge seed layers. <i>Scientific Reports</i> , 2021 , 11, 10159	4.9	1
16	Electrical detection of magnetic domain wall in Fe ₄ N nanostrip by negative anisotropic magnetoresistance effect. <i>Journal of Applied Physics</i> , 2016 , 120, 113903	2.5	1
15	Sn-inserted Al-induced layer exchange for large-grained GeSn thin films on insulator. <i>Thin Solid Films</i> , 2016 , 616, 316-319	2.2	1
14	Solid-phase crystallization of gallium arsenide thin films on insulators. <i>Materials Science in Semiconductor Processing</i> , 2021 , 124, 105623	4.3	1
13	High thermoelectric power factors in polycrystalline germanium thin films. <i>Applied Physics Letters</i> , 2021 , 119, 132101	3.4	1

12	ZnGeO Passivating Interlayers for BaSi Thin-Film Solar Cells.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	1
11	Record-High Hole Mobility Germanium on Flexible Plastic with Controlled Interfacial Reaction. <i>ACS Applied Electronic Materials</i> , 2022 , 4, 269-275	4	1
10	High electron mobility in randomly oriented polycrystalline BaSi ₂ films formed through radio-frequency sputtering. <i>AIP Advances</i> , 2022 , 12, 045120	1.5	1
9	Solid-Phase Crystallization of GeSn Thin Films on GeO ₂ -Coated Glass. <i>Physica Status Solidi - Rapid Research Letters</i> , 2100509	2.5	0
8	Sn Concentration Effects on Polycrystalline GeSn Thin Film Transistors. <i>IEEE Electron Device Letters</i> , 2021 , 42, 1735-1738	4.4	0
7	Effects of Ba-to-Si deposition rate ratios on the electrical and photoresponse properties of arsenic-doped n-type BaSi ₂ films. <i>Thin Solid Films</i> , 2021 , 738, 138969	2.2	0
6	Fabrication and characterizations of nitrogen-doped BaSi ₂ epitaxial films grown by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2017 , 471, 37-41	1.6	
5	Effects of sputtering pressure and temperature of ITO electrodes on the performance of p-BaSi ₂ /n-Si heterojunction solar cells. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SFFA07	1.4	
4	Effect of Ge/Al thickness on Al-induced crystallization of amorphous Ge layers on glass substrates. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 1781-1784		
3	Fabrication of n+-BaSi ₂ /p+-Si tunnel junction on Si(001) surface for characterization of photoresponse properties of BaSi ₂ epitaxial films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013 , 10, 1773-1776		
2	Liquid-phase epitaxial growth of Ge island on insulator using Ni-imprint-induced Si crystal as seed. <i>Thin Solid Films</i> , 2010 , 518, S182-S185	2.2	
1	Three-Dimensionally Orientation-Controlled Ge Rods on an Insulator Formed by Low-Temperature Ni-Induced Lateral Crystallization. <i>Crystal Growth and Design</i> , 2022 , 22, 1123-1129	3.5	