

Jonghyun Song

List of Publications by Year in descending order

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29
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#	ARTICLE	IF	CITATIONS
1	Hysteretic temperature dependence of resistance controlled by gate voltage in LaAlO ₃ /SrTiO ₃ heterointerface electron system. <i>Scientific Reports</i> , 2022, 12, 6458.	1.6	0
2	Non-BCS-type superconductivity and critical thickness of SrTiO ₃ /LaAlO ₃ /SrTiO ₃ trilayer interface system. <i>Applied Surface Science</i> , 2021, 565, 150495.	3.1	4
3	First Observation of Ferroelectricity in $\sim 1/4$ nm Ultrathin Semiconducting BaTiO ₃ Films. <i>Nano Letters</i> , 2019, 19, 2243-2250.	4.5	32
4	Top and Split Gating Control of the Electrical Characteristics of a Two-dimensional Electron Gas in a LaAlO ₃ /SrTiO ₃ Perovskite. <i>Journal of the Korean Physical Society</i> , 2018, 72, 925-929.	0.3	2
5	Structural, optical, and electrical-transport properties of Al-P-O inorganic layer coated on flexible stainless steel substrate. <i>Solid-State Electronics</i> , 2017, 129, 16-21.	0.8	2
6	Investigation of polymorphism for amorphous and semi-crystalline poly (-ethylene terephthalate-) using high-pressure Brillouin spectroscopy. <i>Journal of the Korean Physical Society</i> , 2017, 70, 382-388.	0.3	9
7	Stabilization of metastable ϵ -Fe ₂ O ₃ thin films using a GaFeO ₃ buffer. <i>Journal of Applied Physics</i> , 2016, 120, .	1.1	21
8	Growth and giant coercive field of spinel-structured Co ₃ \hat{a} ^x Mn _x O ₄ thin films. <i>Journal of the Korean Physical Society</i> , 2016, 69, 263-267.	0.3	2
9	Elastic properties and equation of state for polycarbonate by high-pressure Brillouin spectroscopy. <i>Current Applied Physics</i> , 2016, 16, 311-317.	1.1	9
10	Effects of the single and double (overlap) scanned excimer laser annealing on solid phase crystallized silicon films. <i>Displays</i> , 2015, 36, 9-12.	2.0	2
11	Polarity-tunable magnetic tunnel junctions based on ferromagnetism at oxide heterointerfaces. <i>Nature Communications</i> , 2015, 6, 8035.	5.8	24
12	Resonant X-ray scattering study of spinel Co ₂ MnO ₄ . <i>Journal of the Korean Physical Society</i> , 2014, 65, 1547-1550.	0.3	1
13	Growth and in-plane magnetic anisotropy of inverse spinel Co ₂ MnO ₄ thin films. <i>Journal of the Korean Physical Society</i> , 2014, 65, 1570-1574.	0.3	1
14	Characteristics of polycrystalline Si TFTs fabricated on glass substrates by excimer laser annealing with nickel-sputtered amorphous Si films. <i>Displays</i> , 2014, 35, 1-5.	2.0	3
15	Quantum Electrical Transport in Mesoscopic LaAlO ₃ /SrTiO ₃ Heterostructures. <i>Applied Physics Express</i> , 2013, 6, 085201.	1.1	13
16	Gate-controlled metal-insulator transition in the LaAlO ₃ /SrTiO ₃ system with subcritical LaAlO ₃ thickness. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 472-474.	1.2	6
17	New Pixel Circuit Design Employing an Additional Pixel Line Insertion in AMOLED Displays Composed by Excimer Laser-Crystallized TFTs. <i>Journal of Display Technology</i> , 2012, 8, 479-482.	1.3	5
18	Simple Fabrication of a Three-Dimensional CMOS Inverter Using p-Type Poly-Si and n-Type Amorphous GaInZnO Thin-Film Transistors. <i>IEEE Electron Device Letters</i> , 2011, 32, 1236-1238.	2.2	16

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19	Effects of Excimer Laser Annealing Process on the Ni-Sputtered Amorphous Silicon Film. <i>Electrochemical and Solid-State Letters</i> , 2010, 13, H346.	2.2	3
20	Electrical-transport, magneto-transport and magnetic anisotropy of epitaxially grown MnAs/GaAs hybrid multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 286, 41-45.	1.0	2
21	Study on the transport properties of MnGe(As _{1-x} P _x) ₂ grown on GaAs(100). <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 286, 99-102.	1.0	1
22	Growth-Temperature Dependence of Magnetic and Magneto-Transport Properties of Epitaxially Grown MnAs/GaAs Hybrid Multilayers. <i>Journal of Superconductivity and Novel Magnetism</i> , 2005, 18, 105-108.	0.5	0
23	Magnetic and transport properties of MnGeP ₂ films grown on GaAs(001) by molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2005, 97, 10M518.	1.1	3
24	Mn-doped V ₂ VI ₃ semiconductors: Single crystal growth and magnetic properties. <i>Journal of Applied Physics</i> , 2005, 97, 10D324.	1.1	52
25	Magnetic properties of MnGeAsP films grown on GaAs (100) by molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2004, 95, 6515-6517.	1.1	2
26	Control of the magnetic anisotropy of epitaxially grown MnAs•GaAs ferromagnet-semiconductor hybrid superlattices. <i>Applied Physics Letters</i> , 2004, 85, 4079-4081.	1.5	10
27	Magnetic anisotropy and transport properties of epitaxially grown MnAs/GaAs digital alloys. <i>Journal of Applied Physics</i> , 2004, 95, 7288-7290.	1.1	6
28	Ferromagnetism and coupling between charge carriers and magnetization at room temperature in Ge•MnAs multilayers. <i>Applied Physics Letters</i> , 2004, 85, 3169-3171.	1.5	1
29	Ferromagnetic properties of MnAs/Ge multilayers grown by molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2004, 95, 6562-6564.	1.1	3