

Jonghyun Song

List of Publications by Year in descending order

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531
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#	ARTICLE	IF	CITATIONS
1	Mn-doped V ₂ VI ₃ semiconductors: Single crystal growth and magnetic properties. Journal of Applied Physics, 2005, 97, 10D324.	1.1	52
2	First Observation of Ferroelectricity in $\sim 1/41$ nm Ultrathin Semiconducting BaTiO ₃ Films. Nano Letters, 2019, 19, 2243-2250.	4.5	32
3	Polarity-tunable magnetic tunnel junctions based on ferromagnetism at oxide heterointerfaces. Nature Communications, 2015, 6, 8035.	5.8	24
4	Stabilization of metastable ϵ -Fe ₂ O ₃ thin films using a GaFeO ₃ buffer. Journal of Applied Physics, 2016, 120, .	1.1	21
5	Simple Fabrication of a Three-Dimensional CMOS Inverter Using p-Type Poly-Si and n-Type Amorphous GaInZnO Thin-Film Transistors. IEEE Electron Device Letters, 2011, 32, 1236-1238.	2.2	16
6	Quantum Electrical Transport in Mesoscopic LaAlO ₃ /SrTiO ₃ Heterostructures. Applied Physics Express, 2013, 6, 085201.	1.1	13
7	Control of the magnetic anisotropy of epitaxially grown MnAs \cdot GaAs ferromagnet-semiconductor hybrid superlattices. Applied Physics Letters, 2004, 85, 4079-4081.	1.5	10
8	Elastic properties and equation of state for polycarbonate by high-pressure Brillouin spectroscopy. Current Applied Physics, 2016, 16, 311-317.	1.1	9
9	Investigation of polymorphism for amorphous and semi-crystalline poly (-ethylene terephthalate-) using high-pressure Brillouin spectroscopy. Journal of the Korean Physical Society, 2017, 70, 382-388.	0.3	9
10	Magnetic anisotropy and transport properties of epitaxially grown MnAs/GaAs digital alloys. Journal of Applied Physics, 2004, 95, 7288-7290.	1.1	6
11	Gate-controlled metal-insulator transition in the LaAlO ₃ /SrTiO ₃ system with subcritical LaAlO ₃ thickness. Physica Status Solidi - Rapid Research Letters, 2012, 6, 472-474.	1.2	6
12	New Pixel Circuit Design Employing an Additional Pixel Line Insertion in AMOLED Displays Composed by Excimer Laser-Crystallized TFTs. Journal of Display Technology, 2012, 8, 479-482.	1.3	5
13	Non-BCS-type superconductivity and critical thickness of SrTiO ₃ /LaAlO ₃ /SrTiO ₃ trilayer interface system. Applied Surface Science, 2021, 565, 150495.	3.1	4
14	Ferromagnetic properties of MnAs/Ge multilayers grown by molecular beam epitaxy. Journal of Applied Physics, 2004, 95, 6562-6564.	1.1	3
15	Magnetic and transport properties of MnGeP ₂ films grown on GaAs(001) by molecular beam epitaxy. Journal of Applied Physics, 2005, 97, 10M518.	1.1	3
16	Effects of Excimer Laser Annealing Process on the Ni-Sputtered Amorphous Silicon Film. Electrochemical and Solid-State Letters, 2010, 13, H346.	2.2	3
17	Characteristics of polycrystalline Si TFTs fabricated on glass substrates by excimer laser annealing with nickel-sputtered amorphous Si films. Displays, 2014, 35, 1-5.	2.0	3
18	Magnetic properties of MnGeAsP films grown on GaAs (100) by molecular beam epitaxy. Journal of Applied Physics, 2004, 95, 6515-6517.	1.1	2

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Growth and giant coercive field of spinel-structured $\text{Co}_{3-x}\text{Mn}_x\text{O}_4$ thin films. <i>Journal of the Korean Physical Society</i> , 2016, 69, 263-267.	0.3	2
22	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
23	Top and Split Gating Control of the Electrical Characteristics of a Two-dimensional Electron Gas in a $\text{LaAlO}_3/\text{SrTiO}_3$ Perovskite. <i>Journal of the Korean Physical Society</i> , 2018, 72, 925-929.	0.3	2
24	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
25	Study on the transport properties of $\text{MnGe}(\text{As}_{1-x}\text{P}_x)_2$ grown on $\text{GaAs}(100)$. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 286, 99-102.	1.0	1
26	Resonant X-ray scattering study of spinel Co_2MnO_4 . <i>Journal of the Korean Physical Society</i> , 2014, 65, 1547-1550.	0.3	1
27	Growth and in-plane magnetic anisotropy of inverse spinel Co_2MnO_4 thin films. <i>Journal of the Korean Physical Society</i> , 2014, 65, 1570-1574.	0.3	1
28	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
29	Hysteretic temperature dependence of resistance controlled by gate voltage in $\text{LaAlO}_3/\text{SrTiO}_3$ heterointerface electron system. <i>Scientific Reports</i> , 2022, 12, 6458.	1.6	0