

# Young Ran Park

## List of Publications by Year in descending order

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60  
papers

1,935  
citations

331670

21  
h-index

243625

44  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2902  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic ellipsometry study of optical transitions in Zn <sub>1-x</sub> CoxO alloys. Applied Physics Letters, 2002, 81, 1420-1422.	3.3	293
2	Large and abrupt optical band gap variation in In-doped ZnO. Applied Physics Letters, 2001, 78, 475-477.	3.3	176
3	Optical investigation of charge-transfer transitions in spinel Co <sub>3</sub> O <sub>4</sub> . Solid State Communications, 2003, 127, 25-28.	1.9	127
4	Optical investigation of Zn <sub>1-x</sub> FexO films grown on Al <sub>2</sub> O <sub>3</sub> (0001) by radio-frequency sputtering. Journal of Applied Physics, 2004, 96, 4150-4153.	2.5	118
5	The origin of oxygen vacancy induced ferromagnetism in undoped TiO <sub>2</sub> . Journal of Physics Condensed Matter, 2009, 21, 195405.	1.8	109
6	Structural and optical properties of rutile and anatase TiO <sub>2</sub> thin films: Effects of Co doping. Thin Solid Films, 2005, 484, 34-38.	1.8	95
7	Sol-gel preparation and optical characterization of NiO and Ni <sub>1-x</sub> ZnxO thin films. Journal of Crystal Growth, 2003, 258, 380-384.	1.5	82
8	Spectroscopic ellipsometry study of Zn <sub>1-x</sub> MgxO thin films deposited on Al <sub>2</sub> O <sub>3</sub> (0001). Solid State Communications, 2000, 115, 127-130.	1.9	69
9	Optical and electrical properties of Ti-doped ZnO films: observation of semiconductor-metal transition. Solid State Communications, 2002, 123, 147-150.	1.9	56
10	Thickness-dependent electron mobility of single and few-layer MoS <sub>2</sub> thin-film transistors. AIP Advances, 2016, 6, .	1.3	54
11	Sputtering growth and optical properties of [100]-oriented tetragonal SnO <sub>2</sub> and its Mn alloy films. Journal of Applied Physics, 2003, 94, 6401-6404.	2.5	53
12	Sol-gel growth and structural and optical investigation of manganese-oxide thin films: structural transformation by Zn doping. Journal of Crystal Growth, 2004, 270, 162-167.	1.5	53
13	Effect of hydrogen doping in ZnO thin films by pulsed DC magnetron sputtering. Applied Surface Science, 2009, 255, 9010-9014.	6.1	52
14	Optical absorption and electronic structure of Zn <sub>1-x</sub> MnxO alloys studied by spectroscopic ellipsometry. Journal of Applied Physics, 2003, 94, 867-869.	2.5	50
15	Control of liquid crystal pretilt angle by anchoring competition of the stacked alignment layers. Applied Physics Letters, 2009, 94, .	3.3	43
16	Solution-processed quantum dot light-emitting diodes with PANI:PSS hole-transport interlayers. Organic Electronics, 2015, 19, 131-139.	2.6	43
17	Quantum-Dot Light-Emitting Diodes with Nitrogen-Doped Carbon Nanodot Hole Transport and Electronic Energy Transfer Layer. Scientific Reports, 2017, 7, 46422.	3.3	43
18	Growth of transparent conducting nano-structured In doped ZnO thin films by pulsed DC magnetron sputtering. Applied Surface Science, 2008, 254, 2250-2254.	6.1	32

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19	Luminance efficiency roll-off mechanism in CsPbBr <sub>3-x</sub> Cl <sub>x</sub> mixed-halide perovskite quantum dot blue light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 3608-3619.	5.5	32
20	Room-temperature ferromagnetic properties in Mn-doped rutile thin films. Journal of Magnetism and Magnetic Materials, 2007, 316, e215-e218.	2.3	26
21	Investigations of the polymer alignment, the nonradiative resonant energy transfer, and the photovoltaic response of poly(3-hexylthiophene)/TiO <sub>2</sub> hybrid solar cells. Journal of Applied Physics, 2010, 108, 044508.	2.5	22
22	Organic Light-Emitting Devices with In-Doped (4 at. %) ZnO Thin Films as the Anodic Electrode. Japanese Journal of Applied Physics, 2008, 47, 468-471.	1.5	21
23	Growth and characteristics of hydrogenated In-doped ZnO thin films by pulsed DC magnetron sputtering. Applied Surface Science, 2009, 256, 1589-1594.	6.1	21
24	Effects of Mn substitution of Co and Fe in spinel CoFe <sub>2</sub> O <sub>4</sub> thin films. Journal of Magnetism and Magnetic Materials, 2006, 304, e106-e108.	2.3	20
25	Organic Solar Cells with Hydrogenated In-Doped ZnO Replacing Sn-Doped In <sub>2</sub> O <sub>3</sub> as Transparent Electrode. Japanese Journal of Applied Physics, 2008, 47, 516.	1.5	20
26	Ferromagnetic Properties of Ni-Doped Rutile TiO <sub>2</sub> -delta. Journal of the Korean Physical Society, 2007, 50, 638.	0.7	17
27	Ferromagnetism in <sup>57</sup> Fe-doped cupric oxide. Physica Status Solidi (B): Basic Research, 2007, 244, 4578-4581.	1.5	15
28	Mössbauer and optical investigation of Co <sub>3-x</sub> Fe <sub>x</sub> O <sub>4</sub> thin films grown by sol-gel process. Hyperfine Interactions, 2007, 169, 1363-1369.	0.5	14
29	Physical properties of transparent conducting indium doped zinc oxide thin films deposited by pulsed DC magnetron sputtering. Journal of Electroceramics, 2009, 23, 536-541.	2.0	14
30	Nanoparticle intercalation-induced interlayer-gap-opened graphene-polyaniline nanocomposite for enhanced supercapacitive performances. Applied Surface Science, 2017, 412, 160-169.	6.1	14
31	Ferromagnetic properties of anatase Ti <sub>1-x</sub> Fe <sub>x</sub> O <sub>2</sub> thin films. Journal of Applied Physics, 2006, 99, 08M120.	2.5	13
32	Photoluminescence enhancement from hybrid structures of metallic single-walled carbon nanotube/ZnO films. Current Applied Physics, 2013, 13, 2026-2032.	2.4	12
33	Ferromagnetic properties of single walled carbon nanotubes doped with manganese oxide using an electrochemical method. Applied Physics Letters, 2012, 100, 192409.	3.3	11
34	Graphene Oxide Inserted Poly(N-vinylcarbazole)/Vanadium Oxide Hole Transport Heterojunctions for High-Efficiency Quantum Dot Light-Emitting Diodes. Advanced Materials Interfaces, 2017, 4, 1700476.	3.7	11
35	Optical properties of normal spinel MxCo <sub>3-x</sub> O <sub>4</sub> (M=Cr and Cu): Coexistence of charge-transfer and crystal-field transitions. Journal of Applied Physics, 2004, 96, 1975-1978.	2.5	9
36	Evolution of structural and magnetic properties and the electronic structure of spinel Fe <sub>3-x</sub> Co <sub>x</sub> O <sub>4</sub> thin films. IEEE Transactions on Magnetics, 2005, 41, 3478-3480.	2.1	9

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37	Organic light-emitting diodes with hydrogenated In-doped ZnO thin films as transparent conductive electrodes. Journal of Materials Research, 2008, 23, 1674-1681.	2.6	9
38	Investigation of ultraviolet optical properties of semiconducting-enriched and metal-enriched single-walled carbon nanotube networks using spectroscopic ellipsometry. Nanoscale, 2012, 4, 6532.	5.6	9
39	Self-defect-passivation by Br-enrichment in FA-doped Cs <sub>1-x</sub> FAPbBr <sub>3</sub> quantum dots: towards high-performance quantum dot light-emitting diodes. Scientific Reports, 2020, 10, 14758.	3.3	9
40	Magnetic and optical properties of spinel Fe <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> thin films. Journal of Magnetism and Magnetic Materials, 2006, 300, 300-305.	2.3	8
41	Tailoring the highest occupied molecular orbital level of poly(N-vinylcarbazole) hole transport layers in organic multilayer heterojunctions. Applied Physics Letters, 2016, 108, 023301.	3.3	8
42	Hydrogenated In-doped ZnO Thin Films for the New Anode Material of Organic Light Emitting Devices: Synthesis and Application Test. Bulletin of the Korean Chemical Society, 2007, 28, 2396-2400.	1.9	8
43	Magnetic and electronic properties of vanadium-substituted magnetite V <sub>x</sub> Fe <sub>3-x</sub> O <sub>4</sub> thin films. Journal of Magnetism and Magnetic Materials, 2007, 310, e876-e877.	2.3	7
44	Surface electronic structure of nitrogen-doped semiconducting single-walled carbon nanotube networks. Journal of Applied Physics, 2013, 114, .	2.5	7
45	Hole barrier height reduction in inverted quantum-dot light-emitting diodes with vanadium(V) oxide/poly(N-vinylcarbazole) hole transport layer. Applied Physics Letters, 2018, 113, 043301.	3.3	7
46	Ferromagnetic properties of anatase Ti <sub>1-x</sub> Fe <sub>x</sub> O <sub>2</sub> thin films grown by sol-gel method. Journal of Magnetism and Magnetic Materials, 2006, 304, e152-e154.	2.3	5
47	Resistive switching functional quantum-dot light-emitting diodes. Current Applied Physics, 2019, 19, 102-107.	2.4	4
48	Structural and Magnetic Properties of (Mn, Cr) <sub>x</sub> Co <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> Thin Films Prepared by Sol-gel Method. Journal of the Korean Magnetism Society, 2006, 16, 23-27.	0.0	3
49	Crystallographic and magnetic properties of sol-gel synthesized T <sub>x</sub> Co <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> (T=Mn and Cr) thin films. Journal of Magnetism and Magnetic Materials, 2007, 310, e618-e619.	2.3	1
50	Structural and Magnetic Properties of Fe Doped CuO. Journal of the Korean Magnetism Society, 2006, 16, 34-39.	0.0	1
51	Diluted ferromagnetic properties in Fe- and Co-doped TiO <sub>2</sub> /spl delta// thin films. , 2005, , .		0
52	Structural, Magnetic, and Optical Studies on Normal to Inverse Spinel Phase Transition in Fe <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> Thin Films. Journal of the Korean Magnetism Society, 2005, 15, 96-99.	0.0	0
53	Electronic and Magnetic Properties of Ti <sub>1-x</sub> M <sub>x</sub> O <sub>2</sub> (M=Co and Fe) Thin Films Grown by Sol-gel Method. Journal of the Korean Magnetism Society, 2005, 15, 109-112.	0.0	0
54	Mössbauer and optical investigation of Co <sub>3-x</sub> Fe <sub>x</sub> O <sub>4</sub> thin films grown by sol-gel process. , 2006, , 1363-1369.		0

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55	Effects of Vanadium Doping on Magnetic Properties of Inverse Spinel Fe <sub>3</sub> O <sub>4</sub> Thin Films. Journal of the Korean Magnetism Society, 2006, 16, 18-22.	0.0	0
56	Variation of Electronic and Magnetic Properties in Oxygen-deficient TiO <sub>2-x</sub> Thin Films by Fe Doping. Journal of the Korean Magnetism Society, 2006, 16, 45-50.	0.0	0
57	Mossbauer Study for the Cation Distribution of Co-ferrite (Co <sub>x</sub> Fe <sub>1-x</sub> O <sub>4</sub> ) Thin Films. Journal of the Korean Magnetism Society, 2006, 16, 1-5.	0.0	0
58	Study on Magnetic Properties of TiO <sub>2-x</sub> :Ni Thin Films. Journal of the Korean Magnetism Society, 2006, 16, 168-172.	0.0	0
59	Room-temperature Ferromagnetism in Oxygen-deficient TiO <sub>2-x</sub> Thin Films. Journal of the Korean Magnetism Society, 2006, 16, 206-210.	0.0	0
60	Transparent Anodic Properties of In-doped ZnO thin Films for Organic Light Emitting Devices. Journal of the Korean Ceramic Society, 2007, 44, 303-307.	2.3	0