

Jinho Joo

List of Publications by Year in descending order

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49
papers

603
citations

687363

13
h-index

610901

24
g-index

49
all docs

49
docs citations

49
times ranked

1014
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-processed InGaZnO-based thin film transistors for printed electronics applications. Applied Physics Letters, 2009, 95, .	3.3	90
2	Hydrothermally Grown In-doped ZnO Nanorods on p-GaN Films for Color-tunable Heterojunction Light-emitting-diodes. Scientific Reports, 2015, 5, 10410.	3.3	58
3	Effect of annealing temperature on microstructural evolution and electrical properties of sol-gel processed ZrO ₂ /Si films. Applied Physics Letters, 2011, 98, .	3.3	54
4	Synergistic effect of Indium and Gallium co-doping on growth behavior and physical properties of hydrothermally grown ZnO nanorods. Scientific Reports, 2017, 7, 41992.	3.3	50
5	Effects of In or Ga doping on the growth behavior and optical properties of ZnO nanorods fabricated by hydrothermal process. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1552-1556.	1.8	44
6	Effects of Calcination Temperature on Morphology, Microstructure, and Photocatalytic Performance of TiO ₂ Mesocrystals. Industrial & Engineering Chemistry Research, 2017, 56, 8235-8240.	3.7	32
7	Interfacial reactions and joint strength of Sn-37Pb and Sn-3.5Ag solders with immersion Ag-plated Cu substrate during aging at 150 °C. Journal of Materials Research, 2006, 21, 3196-3204.	2.6	30
8	Effect of Ga content and sintering time on electrical properties of InGaZnO thin film transistors fabricated by sol-gel process. Journal of Crystal Growth, 2011, 326, 175-178.	1.5	26
9	Effects of Precursor Concentration on Morphology of MoS ₂ Nanosheets by Hydrothermal Synthesis. Journal of Nanoscience and Nanotechnology, 2016, 16, 11548-11551.	0.9	19
10	Enhanced photocatalytic activity of porous single crystal TiO ₂ /CNT composites by annealing process. Ceramics International, 2018, 44, 1641-1645.	4.8	17
11	Fabrication of two-layer flexible copper clad laminate by electroless-Cu plating on surface modified polyimide. Transactions of Nonferrous Metals Society of China, 2009, 19, 970-974.	4.2	16
12	Enhanced Gas Sensing Performance of Hydrothermal MoS ₂ Nanosheets by Post-Annealing in Hydrogen Ambient. Bulletin of the Chemical Society of Japan, 2019, 92, 1094-1099.	3.2	16
13	Effect of Sintering Time at Low Temperature on the Properties of IGZO TFTs Fabricated by Using the Sol-gel Process. Journal of the Korean Physical Society, 2010, 57, 1836-1841.	0.7	14
14	Characterization of Failure Behaviors in Anisotropic Conductive Interconnection. Materials Transactions, 2007, 48, 1070-1078.	1.2	12
15	Phase Transition and Microstructural Changes of Sol-gel Derived ZrO ₂ /Si Films by Thermal Annealing: Possible Stability of Tetragonal Phase without Transition to Monoclinic Phase. Journal of Physical Chemistry C, 2012, 116, 11386-11392.	3.1	11
16	Evaluation and control of residual amorphous phases in carbon-doped MgB ₂ superconductors. Journal of Alloys and Compounds, 2021, 864, 158867.	5.5	8
17	Fabrication of Ni Metal Mask by Electroforming Process Using Wetting Agents. Journal of Electronic Materials, 2007, 36, 1510-1515.	2.2	7
18	Enhanced Gas Sensing Performance of Surface-Activated MoS ₂ Nanosheets Made by Hydrothermal Method with Excess Sulfur Precursor. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800999.	1.8	7

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19	Phase and structural evolution of sol-gel synthesized ZrO ₂ /Si thin films under heat treatment. <i>Journal of Materials Science</i> , 2012, 47, 5216-5221.	3.7	6
20	Influences of rapid thermal process on solution-deposited Ti-silicate/Si films: Phase segregation, composition and interface changes, and dielectric properties. <i>Materials Chemistry and Physics</i> , 2014, 145, 168-175.	4.0	6
21	Effect of Al Incorporation on Morphology and Electrical Conductivity of ZnO Nanorods Prepared Using Hydrothermal Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11272-11276.	0.9	6
22	Effect of Annealing Temperature on Morphology and Electrical Property of Hydrothermally-Grown ZnO Nanorods/p-Si Heterojunction Diodes. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1640-1644.	0.9	6
23	Fabrication of YBCO coated conductor by TFA-MOD method in route of dissolving Y211 and Ba3Cu5O8 powders in TFA. <i>Physica C: Superconductivity and Its Applications</i> , 2005, 426-431, 973-978.	1.2	5
24	Effect of Si Impurity Layer and Growth Temperature on MgB ₂ Superconducting Tapes Fabricated by HPCVD. <i>Chemical Vapor Deposition</i> , 2012, 18, 36-40.	1.3	5
25	Enhanced Photocatalytic Activity of ZnO Nanorods with Tubular Facet Synthesized by Hydrothermal Method. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11164-11168.	0.9	5
26	Effects of Precursor Concentration on Dimensional Size, Defect State, and Gas Sensing Performance of MoS ₂ Sheets Synthesized by Hydrothermal Method. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800079.	1.8	5
27	Fabrication and Characterization of the $\{m \text{MgB}_2\}$ Bulk Superconductors Doped by Carbon Nanotubes. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 2767-2770.	1.7	4
28	Improvement of high-field J of MgB ₂ wires by polymethyl-methacrylate doping. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S1034-S1035.	1.2	4
29	Effect of peak current density on the mechanical and electrical properties of copper/polymide fabricated by a pulsed electrodeposition process. <i>Current Applied Physics</i> , 2011, 11, S128-S131.	2.4	4
30	Surface-Tunable Bioluminescence Resonance Energy Transfer via Geometry-Controlled ZnO Nanorod Coordination. <i>Small</i> , 2015, 11, 3469-3475.	10.0	4
31	Effects of Hydrothermal Temperature on Crystallinity, Microstructure, and Photocatalytic Activity of Anatase TiO ₂ Mesocrystals. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11153-11157.	0.9	4
32	The Effects of the Humidity and Thickness on YBCO Film Prepared Using the TFA-MOD Method. <i>IEEE Transactions on Applied Superconductivity</i> , 2007, 17, 3298-3301.	1.7	3
33	Structural characterization of multi-coated YBCO films processed by metal-organic deposition method. <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 1666-1669.	1.2	3
34	Study on the improved J(B) performance of polyacrylic acid-doped MgB ₂ bulks. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S1032-S1033.	1.2	3
35	O-free polyacrylonitrile doping to improve the J _c (B) and H _{c2} of MgB ₂ wires. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 1430-1434.	1.2	3
36	Optical properties of solution-processed LaAlO _x /Si films using spectroscopic ellipsometry. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2013, 31, 04D110.	1.2	3

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37	Effect of Mechanical Alloying on the Microstructure and Properties of C-Doped MgB_2 Wire by Ex-Situ Process. IEEE Transactions on Applied Superconductivity, 2009, 19, 2710-2713.	1.7	2
38	Fabrication of C Doped MgB_2 Wire Using a Mixture of In-situ and Ex-situ Powders. IEEE Transactions on Applied Superconductivity, 2009, 19, 2702-2705.	1.7	2
39	Improvement of the critical current density and upper critical field in C-doped MgB_2 wire using cellulose acetate. Metals and Materials International, 2010, 16, 1029-1033.	3.4	2
40	Enhanced Magnetic Property of MgB_2 Wire Using Phenol-Formaldehyde Resin. IEEE Transactions on Applied Superconductivity, 2010, 20, 1593-1596.	1.7	2
41	Application of rapid thermal process to solution-processed Ti-silicate films for enhancing permittivity without losing amorphous nature. Current Applied Physics, 2013, 13, S41-S44.	2.4	2
42	A Study on the Processing Variables of the BSCCO-2212 Bulk Superconductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 3004-3007.	1.7	1
43	Effects of Heating Time and Intermediate Heating on Sol-Gel-Processed ZrO_2 Thin Films. Japanese Journal of Applied Physics, 2012, 51, 09MF13.	1.5	1
44	Facet Control of Subunits in Anatase TiO_2 Mesocrystal by Diethanolamine for Enhanced Photocatalytic Activity. Journal of Nanoscience and Nanotechnology, 2018, 18, 6090-6094.	0.9	1
45	Fabrication of YBCO coated conductor by TFA-MOD using the ω 211 process. Physica C: Superconductivity and Its Applications, 2006, 445-448, 594-597.	1.2	0
46	Development of YBCO film approached by TFA-MOD method using the $\text{Y}_2\text{Ba}_1\text{Cu}_1\text{O}_x$ and $\text{Ba}_3\text{Cu}_5\text{O}_8$ powders. Materials Research Society Symposia Proceedings, 2006, 946, 1.	0.1	0
47	Fabrication of the YBCO Films Made by TFA-MOD Using the 211-Process. IEEE Transactions on Applied Superconductivity, 2007, 17, 3302-3305.	1.7	0
48	Effect of post-annealing temperature on the dielectric function of solution-processed LaAlO_x/Si Films. Journal of the Korean Physical Society, 2014, 64, 1509-1513.	0.7	0
49	Effect of Annealing Temperature on Morphology, Defect States, and Photocatalytic Performance of ZnO Nanorods. Journal of Nanoscience and Nanotechnology, 2018, 18, 7939-7942.	0.9	0