# Joo Yull Rhee

List of Publications by Year
in descending order



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|---|---|---|---|
| 77 papers | 2,105 citations | 257450 24 h-index | 233421 45 g-index |
| 85 all docs | 85 docs citations | 85 times ranked | 2063 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pressure Effects on the Magnetic Phase Diagram of the CeNMSb2 (NM: Au and Ag): A DFT Study. Materials, 2020, 13, 2237. | 2.9 | 4 |
| 2 | Magnetic-order-driven metal-insulator transitions in the quasi-one-dimensional spin-ladder compounds <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></mn mathvariant="normal">S</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>BaFe</mml:mi><mml:mn>2</mml:mn></mn | 3.2 | 5 |
| 3 | Broadband and Ultrathin Metamaterial Absorber Fabricated on a Flexible Substrate in the Long-Term Evolution Band. Journal of Electronic Materials, 2019, 48, 7937-7943. | 2.2 | 5 |
| 4 | High-Density Ordered Arrays of CoPt3 Nanoparticles with Individually Addressable Out-of-Plane Magnetization. ACS Applied Nano Materials, 2019, 2, 975-982. | 5.0 | 2 |
| 5 | Magnetic ground state of ferromagnetic CeAgSb2. Journal of Magnetism and Magnetic Materials, 2019, 477, 283-286. | 2.3 | 8 |
| 6 | Central spot formed in dried coffee-water-mixture droplets: Inverse coffee-ring effect. Current Applied Physics, 2018, 18, 477-483. | 2.4 | 9 |
| 7 | Reversibly-propagational metamaterial absorber for sensing application. Modern Physics Letters B, 2018, 32, 1850044. | 1.9 | 9 |
| 8 | Ab-initio investigation of electronic structures of Î±-BiFeO3 with different exchange-correlation functionals. AIP Advances, 2018, 8, . | 1.3 | 4 |
| 9 | Origin of extremely large magnetoresistance in the candidate type-II Weyl semimetal MoTe2âˆ'x. Scientific Reports, 2018, 8, 13937. | 3.3 | 36 |
| 10 | Flexible ultrathin metamaterial absorber for wide frequency band, based on conductive fibers. Science and Technology of Advanced Materials, 2018, 19, 711-717. | 6.1 | 22 |
| 11 | Ultra-subwavelength thickness for dual/triple-band metamaterial absorber at very low frequency. Scientific Reports, 2018, 8, 11632. | 3.3 | 30 |
| 12 | Stability of the crystal structure of Î±-BiFeO3. Journal of the Korean Physical Society, 2017, 70, 394-400. | 0.7 | 6 |
| 13 | Ultrathin microwave metamaterial absorber utilizing embedded resistors. Journal Physics D: Applied Physics, 2017, 50, 405110. | 2.8 | 58 |
| 14 | Composition-induced influence on the electronic band structure, optical and thermoelectric coefficients of the highly mismatched GaNSb alloy over the entire range: A DFT analysis. Journal of Alloys and Compounds, 2017, 693, 1020-1027. | 5.5 | 38 |
| 15 | Analysis of a systematic error appearing as a periodic fluctuation in the frequency-domain absorption spectra of metamaterial absorbers. Optics Express, 2017, 25, 13296. | 3.4 | 4 |
| 16 | <i>A Special Issue on</i> Nanotechnology in Korea 2016-Part 2. Journal of Nanoscience and Nanotechnology, 2017, 17, 7829-7829. | 0.9 | 0 |
| 17 | <i>A Special Issue on</i> Nanotechnology in Korea 2016-Part 1. Journal of Nanoscience and Nanotechnology, 2017, 17, 7081-7081. | 0.9 | 0 |
| 18 | Metamaterial perfect absorber using the magnetic resonance of dielectric inclusions. Journal of the Korean Physical Society, 2016, 68, 1008-1013. | 0.7 | 11 |

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|---|---|---|---|
| 19 | In-plane propagation of electromagnetic waves in planar metamaterials. Journal of the Korean Physical Society, 2016, 69, 448-451. | 0.7 | 2 |
| 20 | Experimental Realization of Tunable Metamaterial Hyper-transmitter. Scientific Reports, 2016, 6, 33416. | 3.3 | 19 |
| 21 | Role of Woodâ€™s anomaly in the performance of metamaterial absorbers with periodicity comparable to wavelength. Journal Physics D: Applied Physics, 2016, 49, 195103. | 2.8 | 10 |
| 22 | Peculiar role of f-orbital occupancy in heavy-fermion antiferromagnetic CeNMSb2 (NM: Cu and Au) compounds. Current Applied Physics, 2016, 16, 475-480. | 2.4 | 5 |
| 23 | <I>A Special Issue on</I> Nanotechnology in Korea 2015-Part 1. Journal of Nanoscience and Nanotechnology, 2016, 16, 10173-10174. | 0.9 | 0 |
| 24 | A Special Issue on Nanotechnology in Korea 2015-Part 2. Journal of Nanoscience and Nanotechnology, 2016, 16, 11131-11132. | 0.9 | 0 |
| 25 | Metamaterial Absorber for Electromagnetic Waves in Periodic Water Droplets. Scientific Reports, 2015, 5, 14018. | 3.3 | 167 |
| 26 | Strain Sensitivity of Electric-Magnetic Coupling in Flexible Terahertz Metamaterials. Plasmonics, 2015, 10, 1331-1335. | 3.4 | 14 |
| 27 | Magnetic states of iron-based superconducting compounds: A comparative study with Fe3Al alloy. Journal of the Korean Physical Society, 2015, 66, 646-650. | 0.7 | 3 |
| 28 | Dual broadband metamaterial absorber. Optics Express, 2015, 23, 3861. | 3.4 | 125 |
| 29 | Simple metamaterial structure enabling triple-band perfect absorber. Journal Physics D: Applied Physics, 2015, 48, 375103. | 2.8 | 12 |
| 30 | Multifunctional Antireflection Coatings Based on Novel Hollow Silicaâ€"Silica Nanocomposites. ACS Applied Materials & Interfaces, 2014, 6, 1415-1423. | 8.0 | 115 |
| 31 | Electronic structures and optical properties of Fe2VAl; effect of hybridization. Journal of the Korean Physical Society, 2013, 63, 1975-1979. | 0.7 | 1 |
| 32 | Polarization-independent dual-band perfect absorber utilizing multiple magnetic resonances. Optics Express, 2013, 21, 32484. | 3.4 | 84 |
| 33 | Multi-band metamaterial absorber based on the arrangement of donut-type resonators. Optics Express, 2013, 21, 9691. | 3.4 | 301 |
| 34 | CLASSICAL ELECTROMAGNETICALLY-INDUCED TRANSPARENCY-LIKE SWITCHING CONTROLLED BY POLARIZATION IN METAMATERIALS. Journal of Nonlinear Optical Physics and Materials, 2013, 22, 1350004. | 1.8 | 2 |
| 35 | Polarization-independent electromagnetically induced transparency-like effects in stacked metamaterials based on Fabryâ€"PÃ©rot resonance. Journal of Optics (United Kingdom), 2013, 15, 125104. | 2.2 | 22 |
| 36 | Tunable dual-band perfect absorbers based on extraordinary optical transmission and Fabry-Perot cavity resonance. Optics Express, 2012, 20, 24002. | 3.4 | 71 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Manipulation of electromagnetically-induced transparency in planar metamaterials based on phase coupling. Journal of Applied Physics, 2012, 111, . | 2.5 | 45 |
| 38 | Magnetic resonance of a highly symmetric metamaterial at microwave frequency. Physica Status Solidi (B): Basic Research, 2012, 249, 858-861. | 1.5 | 10 |
| 39 | Highly-dispersive transparency at optical frequencies in planar metamaterials based on two-bright-mode coupling. Optics Express, 2011, 19, 21652. | 3.4 | 142 |
| 40 | Selected Peer-Reviewed Papers from NANO KOREA 2009. Journal of Nanoscience and Nanotechnology, 2011, 11, 224-227. | 0.9 | 0 |
| 41 | Plasmonic electromagnetically-induced transparency in metamaterial based on second-order plasmonic resonance. Optics Communications, 2011, 284, 4766-4768. | 2.1 | 40 |
| 42 | Peculiar Magnetic Properties of the Half-metallic Co2CrAl Heusler Alloy. Journal of the Korean Physical Society, 2011, 59, 3064-3068. | 0.7 | 9 |
| 43 | In-plane Interactions in Supercells of Cut-wire Pairs. Journal of the Korean Physical Society, 2011, 58, 87-93. | 0.7 | 0 |
| 44 | Large Low-energy Oscillator Strength for Eu 4f Electrons of a Rare-earth Zintl Compound: EuIn2P2. Journal of the Korean Physical Society, 2011, 59, 2268-2274. | 0.7 | 1 |
| 45 | Left-handed transmission in a simple cut-wire pair structure. Journal of Applied Physics, 2010, 107, . | 2.5 | 30 |
| 46 | Magnetic plasmon resonance: Underlying route to plasmonic electromagnetically induced transparency in metamaterials. Physical Review B, 2010, 82, . | 3.2 | 27 |
| 47 | Plasmonic electromagnetically-induced transparency in symmetric structures. Optics Express, 2010, 18, 13396. | 3.4 | 51 |
| 48 | Active manipulation of plasmonic electromagnetically-induced transparency based on magnetic plasmon resonance. Optics Express, 2010, 18, 20912. | 3.4 | 85 |
| 49 | Passive and active control of a plasmonic mimic of electromagnetically induced transparency in stereometamaterials and planar metamaterials. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2010, 1, 045004. | 1.5 | 10 |
| 50 | Electronic Structures and Optical Properties of Spinel ZnCr2O4. Journal of the Korean Physical Society, 2010, 57, 1233-1237. | 0.7 | 26 |
| 51 | Hybridized Plasmon in an Asymmetric Cut-wire-pair Structure. Journal of the Korean Physical Society, 2010, 57, 1733-1736. | 0.7 | 1 |
| 52 | 5th Nano Korea 2007 symposium. Current Applied Physics, 2009, 9, S1. | 2.4 | 0 |
| 53 | 6th Nano Korea 2008 Symposium. Current Applied Physics, 2009, 9, e1. | 2.4 | 0 |
| 54 | Direct observation on the temperature-dependent change of magnetic domains in epitaxial MnAs film on GaAs (001). Ultramicroscopy, 2008, 108, 1066-1069. | 1.9 | 1 |

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|---|---|---|---|
| 55 | Rigorous approach on diffracted magneto-optical effects from polar and longitudinal gyrotropic gratings. Optics Express, 2008, 16, 16825. | 3.4 | 8 |
| 56 | Polarization-independent extraordinary optical transmission in one-dimensional metallic gratings with broad slits. Applied Physics Letters, 2008, 93, 061102. | 3.3 | 30 |
| 57 | Correlation between extraordinary optical transmission and polarization in metallic subwavelength structures. , 2008, , . | | 0 |
| 58 | Electronic and Magneto-Optical Properties of Rare-Earth Orthoferrites RFeO3 (R = Y, Sm, Eu, Gd and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 0.7 | 45 |
| 59 | Numerical simulations of 1-D magnetic photonic crystals made of and Bi:YIG. Journal of Magnetism and Magnetic Materials, 2007, 310, 2699-2701. | 2.3 | 1 |
| 60 | Electronic Structures and Magnetic Properties of Ni2MnIn Heusler Alloy. Journal of the Korean Physical Society, 2007, 51, 1578. | 0.7 | 1 |
| 61 | Metamagnetic behavior ofFe3M(M=AlandSi) alloys at high pressure. Physical Review B, 2004, 70, . | 3.2 | 14 |
| 62 | Optical properties of correlation-induced paramagnetic FeAl alloy. Journal of Applied Physics, 2004, 96, 7018-7021. | 2.5 | 4 |
| 63 | Optical, magneto-optical, and magnetic properties of stoichiometric and off-stoichiometricÎ³â€²â˘phaseNi3Alalloys. Physical Review B, 2003, 68, . | 3.2 | 16 |
| 64 | Optical and Magneto-Optical Properties of GdFe2. Journal of the Korean Physical Society, 2003, 43, 792-797. | 0.7 | 13 |
| 65 | Generalized susceptibility of the magnetic shape-memory alloyNi2MnGa. Physical Review B, 2002, 66, . | 3.2 | 107 |
| 66 | Optical properties ofRNi2B2C(R=Yand Lu). Physical Review B, 2002, 66, . | 3.2 | 1 |
| 67 | Electronic Structures and Change of the Magnetic and Optical Property due to Structural Disordering of theB2-phase Coâ€“Al Alloys. Japanese Journal of Applied Physics, 2002, 41, 2074-2081. | 1.5 | 4 |
| 68 | Effects of Structural Disorder on the Transport Properties ofB2-phase Fe0.52Al0.48Alloy Films. Japanese Journal of Applied Physics, 1999, 38, 6401-6404. | 1.5 | 2 |
| 69 | Optical properties and electronic structures ofB2andB19â€²phases of equiatomic Ni-Ti alloys. Physical Review B, 1999, 59, 1878-1884. | 3.2 | 12 |
| 70 | Electronic structures and optical and ground-state properties of near-equiatomic Fe-Al alloys. Journal of Physics Condensed Matter, 1999, 11, 8867-8877. | 1.8 | 2 |
| 71 | Electronic structures and optical and magneto-optical properties of (R = Y and Lu) intermetallic compounds. Journal of Physics Condensed Matter, 1998, 10, 4307-4314. | 1.8 | 2 |
| 72 | Optical properties and electronic structures ofNi3Al alloys. Physical Review B, 1997, 55, 4124-4128. | 3.2 | 28 |

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|---|---|---|---|
| 73 | Optical properties and electronic structures of equiatomicXTiÂ(X=Fe,Co,andNi)alloys. Physical Review B, 1996, 54, 17385-17391. | 3.2 | 24 |
| 74 | Optical properties of Fe-Rh alloys. Physical Review B, 1995, 51, 1926-1927. | 3.2 | 7 |
| 75 | Optical properties and electronic structures of Î±- and Î³-Ce. Physical Review B, 1995, 51, 17390-17397. | 3.2 | 7 |
| 76 | Generalized susceptibility and magnetic ordering in rare-earth nickel boride carbides. Physical Review B, 1995, 51, 15585-15587. | 3.2 | 81 |
| 77 | Optical properties and electronic structures ofCeSn3andLaSn3. Physical Review B, 1994, 50, 5693-5694. | 3.2 | 7 |