

Jun Lu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

788
citations

516215

16
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500791

28
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32
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docs citations

32
times ranked

1262
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | An Open Digitization Tool for Extracting Scientific Curve Data in Portable Documents. <i>Advances in Transdisciplinary Engineering</i> , 2022, , . | 0.1 | 0 |
| 2 | A Reconfigurable Electrical Circuit Auto-Processing Method for Direct Electromagnetic Inversion. <i>Communications in Computer and Information Science</i> , 2021, , 190-203. | 0.4 | 1 |
| 3 | Detecting SARS-CoV-2 in the Breath of COVID-19 Patients. <i>Frontiers in Medicine</i> , 2021, 8, 604392. | 1.2 | 22 |
| 4 | Mechanical Behavior of Fresh and Tempered Martensite in a CrMoV-Alloyed Steel Explained by Microstructural Evolution and Strength Modeling. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 5077-5087. | 1.1 | 22 |
| 5 | Lock-in frequency measurement with high precision and efficiency. <i>Review of Scientific Instruments</i> , 2020, 91, 075106. | 0.6 | 3 |
| 6 | Micromechanical Behavior of Transformation-Induced Plasticity-Assisted Annealed Martensitic Steel Using In Situ Neutron Diffraction. <i>Steel Research International</i> , 2020, 91, 1900631. | 1.0 | 1 |
| 7 | Temperature Dependence and Formation Mechanism of Surface Decarburization Behavior in 35CrMo Steel. <i>Steel Research International</i> , 2019, 90, 1900188. | 1.0 | 9 |
| 8 | Direct observation of magnetic contrast obtained by photoemission electron microscopy with deep ultra-violet laser excitation. <i>Ultramicroscopy</i> , 2019, 202, 156-162. | 0.8 | 3 |
| 9 | Modeling of Bainite Transformation During Partitioning Process and Atomic-Scale Characterization of Bainite. <i>Steel Research International</i> , 2019, 90, 1800482. | 1.0 | 7 |
| 10 | Stress partitioning among ferrite, martensite and retained austenite of a TRIP-assisted multiphase steel: An in-situ high-energy X-ray diffraction study. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 726, 1-9. | 2.6 | 43 |
| 11 | Study of Deformation Behavior and Microstructural Evolution in Multiphase Steel. <i>Materials</i> , 2018, 11, 2285. | 1.3 | 6 |
| 12 | Transparency in graphene mediated evaporation. <i>2D Materials</i> , 2018, 5, 041001. | 2.0 | 10 |
| 13 | Study of microstructure, mechanical properties and impact-abrasive wear behavior of medium-carbon steel treated by quenching and partitioning (Q&P) process. <i>Wear</i> , 2018, 414-415, 21-30. | 1.5 | 34 |
| 14 | Orthoborates $\text{LiCdRE}_5(\text{BO}_3)_6$ (RE = Sm, Lu and Y) with Rare-Earth Ions on a Triangular Lattice: Synthesis, Crystal Structure, and Optical and Magnetic Properties. <i>Inorganic Chemistry</i> , 2017, 56, 8100-8105. | 1.9 | 20 |
| 15 | Precipitation Behavior and Microstructural Evolution of Vanadium-Added TRIP-Assisted Annealed Martensitic Steel. <i>Steel Research International</i> , 2017, 88, 1600234. | 1.0 | 11 |
| 16 | A method of measuring dynamic strain under electromagnetic forming conditions. <i>Review of Scientific Instruments</i> , 2016, 87, 043902. | 0.6 | 3 |
| 17 | The stability of retained austenite at different locations during straining of I&Q&P steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 670, 326-334. | 2.6 | 54 |
| 18 | Toward the complete relational graph of fundamental circuit elements. <i>Chinese Physics B</i> , 2015, 24, 068402. | 0.7 | 24 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Multiplied magnetoelectric effect in multi-faceted magnetoelectric composite. Applied Physics Letters, 2014, 104, . | 1.5 | 16 |
| 20 | Low-temperature large magnetocaloric effect in the antiferromagnetic CeSi compound. Journal of Alloys and Compounds, 2014, 587, 10-13. | 2.8 | 21 |
| 21 | Magnetic-ion-induced displacive electric polarization in FeO_5 bipyramidal units of BaF_2 . Physical Review B, 2014, 90, . | 1.1 | 65 |
| 22 | On the Structure of BiFeO_3 . Inorganic Chemistry, 2013, 52, 2388-2392. | 1.9 | 30 |
| 23 | Experimentally determining the intrinsic center point of $\text{Bi}_2\text{O}_3\text{-Fe}_2\text{O}_3$ phase diagram for growing pure BiFeO_3 crystals. CrystEngComm, 2013, 15, 4900. | 1.3 | 12 |
| 24 | Growth, thermophysical and electrical properties of the nonlinear optical crystal BPO_4 . Crystal Research and Technology, 2012, 47, 391-396. | 0.6 | 19 |
| 25 | Phase equilibrium of $\text{Bi}_2\text{O}_3\text{-Fe}_2\text{O}_3$ pseudo-binary system and growth of BiFeO_3 single crystal. Journal of Crystal Growth, 2011, 318, 936-941. | 0.7 | 75 |
| 26 | On the room temperature multiferroic BiFeO_3 : magnetic, dielectric and thermal properties. European Physical Journal B, 2010, 75, 451-460. | 0.6 | 131 |
| 27 | Correlations of structural, magnetic, and dielectric properties of undoped and doped $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$. European Physical Journal B, 2009, 72, 173-182. | 0.6 | 64 |
| 28 | Shape demagnetization effect on layered magnetoelectric composites. Science Bulletin, 2008, 53, 2124-2128. | 4.3 | 26 |
| 29 | Room-Temperature Giant Magnetoelectric Effect From Coils Cored With MnZn Ferrite. IEEE Transactions on Magnetics, 2008, 44, 2127-2129. | 1.2 | 3 |
| 30 | Wideband magnetoelectric measurement system with the application of a virtual multi-channel lock-in amplifier. Measurement Science and Technology, 2008, 19, 045702. | 1.4 | 39 |
| 31 | Comparison of room-temperature multiferroics in $\text{Bi}_4\text{Fe}_2\text{TiO}_{12}$ film and bulk. International Journal of Minerals, Metallurgy, and Materials, 2008, 15, 782-785. | 0.2 | 4 |
| 32 | Magnetodielectric effect of $\text{Bi}_6\text{Fe}_2\text{Ti}_3\text{O}_{18}$ film under an ultra-low magnetic field. Journal of Physics Condensed Matter, 2006, 18, 4801-4807. | 0.7 | 10 |