

Jun Lu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8621861/publications.pdf>

Version: 2024-02-01

32
papers

788
citations

516215

16
h-index

500791

28
g-index

32
all docs

32
docs citations

32
times ranked

1262
citing authors

#	ARTICLE	IF	CITATIONS
1	On the room temperature multiferroic BiFeO ₃ : magnetic, dielectric and thermal properties. European Physical Journal B, 2010, 75, 451-460.	0.6	131
2	Phase equilibrium of Bi ₂ O ₃ -Fe ₂ O ₃ pseudo-binary system and growth of BiFeO ₃ single crystal. Journal of Crystal Growth, 2011, 318, 936-941.	0.7	75
3	Magnetically induced dispersive electric polarization in bipyramidal units of Fe_5O_5 . Physical Review B, 2014, 90, .	1.1	65
4	Correlations of structural, magnetic, and dielectric properties of undoped and doped CaCu ₃ Ti ₄ O ₁₂ . European Physical Journal B, 2009, 72, 173-182.	0.6	64
5	The stability of retained austenite at different locations during straining of I&Q&P steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 670, 326-334.	2.6	54
6	Stress partitioning among ferrite, martensite and retained austenite of a TRIP-assisted multiphase steel: An in-situ high-energy X-ray diffraction study. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 726, 1-9.	2.6	43
7	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
8	Study of microstructure, mechanical properties and impact-abrasive wear behavior of medium-carbon steel treated by quenching and partitioning (Q&P) process. Wear, 2018, 414-415, 21-30.	1.5	34
9	On the Structure of BiFeO_3 . Inorganic Chemistry, 2013, 52, 2388-2392.	1.9	30
10	Shape demagnetization effect on layered magnetoelectric composites. Science Bulletin, 2008, 53, 2124-2128.	4.3	26
11	Toward the complete relational graph of fundamental circuit elements. Chinese Physics B, 2015, 24, 068402.	0.7	24
12	Mechanical Behavior of Fresh and Tempered Martensite in a CrMoV-Alloyed Steel Explained by Microstructural Evolution and Strength Modeling. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 5077-5087.	1.1	22
13	Detecting SARS-CoV-2 in the Breath of COVID-19 Patients. Frontiers in Medicine, 2021, 8, 604392.	1.2	22
14	Low-temperature large magnetocaloric effect in the antiferromagnetic CeSi compound. Journal of Alloys and Compounds, 2014, 587, 10-13.	2.8	21
15	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. Inorganic Chemistry, 2017, 56, 8100-8105.	1.9	20
16	Growth, thermophysical and electrical properties of the nonlinear optical crystal BPO ₄ . Crystal Research and Technology, 2012, 47, 391-396.	0.6	19
17	Multiplied magnetoelectric effect in multi-faceted magnetoelectric composite. Applied Physics Letters, 2014, 104, .	1.5	16
18	Experimentally determining the intrinsic center point of Bi ₂ O ₃ -Fe ₂ O ₃ phase diagram for growing pure BiFeO ₃ crystals. CrystEngComm, 2013, 15, 4900.	1.3	12

#	ARTICLE	IF	CITATIONS
19	Precipitation Behavior and Microstructural Evolution of Vanadium-Added TRIP-Assisted Annealed Martensitic Steel. <i>Steel Research International</i> , 2017, 88, 1600234.	1.0	11
20	Magnetodielectric effect of Bi ₆ Fe ₂ Ti ₃ O ₁₈ film under an ultra-low magnetic field. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 4801-4807.	0.7	10
21	Transparency in graphene mediated evaporation. <i>2D Materials</i> , 2018, 5, 041001.	2.0	10
22	Temperature Dependence and Formation Mechanism of Surface Decarburization Behavior in 35CrMo Steel. <i>Steel Research International</i> , 2019, 90, 1900188.	1.0	9
23	Modeling of Bainite Transformation During Partitioning Process and Atomic-Scale Characterization of Bainite. <i>Steel Research International</i> , 2019, 90, 1800482.	1.0	7
24	Study of Deformation Behavior and Microstructural Evolution in Multiphase Steel. <i>Materials</i> , 2018, 11, 2285.	1.3	6
25	Comparison of room-temperature multiferroics in Bi ₄ Fe ₂ TiO ₁₂ film and bulk. <i>International Journal of Minerals, Metallurgy, and Materials</i> , 2008, 15, 782-785.	0.2	4
26	Room-Temperature Giant Magnetoelectric Effect From Coils Cored With MnZn Ferrite. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 2127-2129.	1.2	3
27	A method of measuring dynamic strain under electromagnetic forming conditions. <i>Review of Scientific Instruments</i> , 2016, 87, 043902.	0.6	3
28	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
29	Lock-in frequency measurement with high precision and efficiency. <i>Review of Scientific Instruments</i> , 2020, 91, 075106.	0.6	3
30	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
31	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
32	An Open Digitization Tool for Extracting Scientific Curve Data in Portable Documents. <i>Advances in Transdisciplinary Engineering</i> , 2022, , .	0.1	0