

Koichi Shimakawa

List of Publications by Year in descending order

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15
papers

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337
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Effects of Grain Boundaries on THz Conductivity in the Crystalline States of Ge ₂ Sb ₂ Te ₅ Phase-Change Materials: Correlation with DC Loss. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000411. | 2.4 | 4 |
| 2 | Dynamics of Carrier Transport in Nanoscale Materials: Origin of Non-Drude Behavior in the Terahertz Frequency Range. Applied Sciences (Switzerland), 2016, 6, 50. | 2.5 | 10 |
| 3 | Electrical properties of nanocrystalline media: Optical conductivity and non-Drude behavior in the terahertz frequency range. Canadian Journal of Physics, 2014, 92, 696-699. | 1.1 | 3 |
| 4 | Origin of non-drude conductivity in the THz spectra of nanogranular semiconductors. , 2014, , . | | 0 |
| 5 | Terahertz and direct current losses and the origin of non-Drude terahertz conductivity in the crystalline states of phase change materials. Journal of Applied Physics, 2013, 114, 233105. | 2.5 | 10 |
| 6 | THz photoconductivity in a-Si:H. Physica Status Solidi (B): Basic Research, 2013, 250, 1004-1007. | 1.5 | 4 |
| 7 | Dynamics of crystallization with fractal geometry: Extended KJMA approach in glasses. Physica Status Solidi (B): Basic Research, 2012, 249, 2024-2027. | 1.5 | 8 |
| 8 | Amorphous Chalcogenide Semiconductors and Related Materials. , 2011, , . | | 166 |
| 9 | Highly conductive titanium oxide films by RF magnetron sputtering. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2742-2745. | 0.8 | 6 |
| 10 | Different electric-field dependences of geminate and nongeminate recombination in photoluminescence of a-Si:H. Journal of Materials Science: Materials in Electronics, 2009, 20, 125-129. | 2.2 | 2 |
| 11 | Chalcogenide glasses in Japan: A review on photoinduced phenomena. Physica Status Solidi (B): Basic Research, 2009, 246, 1744-1757. | 1.5 | 27 |
| 12 | Origin of nonsymmetric dielectric relaxation in dipolar materials. Applied Physics Letters, 1984, 45, 587-588. | 3.3 | 7 |
| 13 | Dynamics of Photo-Induced Metastability in Amorphous Chalcogenides. , 0, , 58-68. | | 3 |
| 14 | Electronic structure. , 0, , 86-116. | | 0 |
| 15 | Temporal Resistance Drift in the Amorphous States of GST Phase Change Semiconductors: An Intrinsic Phenomenon in Nonequilibrium Systems. Physica Status Solidi - Rapid Research Letters, 0, , 2100472. | 2.4 | 0 |