

Koichi Shimakawa

List of Publications by Year in descending order

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15
papers

254
citations

1684188

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1474206

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g-index

21
all docs

21
docs citations

21
times ranked

337
citing authors

#	ARTICLE	IF	CITATIONS
1	Amorphous Chalcogenide Semiconductors and Related Materials. , 2011, , .		166
2	Chalcogenide glasses in Japan: A review on photoinduced phenomena. Physica Status Solidi (B): Basic Research, 2009, 246, 1744-1757.	1.5	27
3	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
4	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
5	Dynamics of crystallization with fractal geometry: Extended KJMA approach in glasses. Physica Status Solidi (B): Basic Research, 2012, 249, 2024-2027.	1.5	8
6	Origin of nonsymmetric dielectric relaxation in dipolar materials. Applied Physics Letters, 1984, 45, 587-588.	3.3	7
7	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
8	THz photoconductivity in $\alpha\text{-Si:H}$. Physica Status Solidi (B): Basic Research, 2013, 250, 1004-1007.	1.5	4
9	Effects of Grain Boundaries on THz Conductivity in the Crystalline States of $\text{Ge}_{20}\text{Sb}_{20}\text{Te}_{50}$ Phase-Change Materials: Correlation with DC Loss. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000411.	2.4	4
10	Dynamics of Photo-Induced Metastability in Amorphous Chalcogenides. , 0, , 58-68.		3
11	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
12	Different electric-field dependences of geminate and nongeminate recombination in photoluminescence of $\alpha\text{-Si:H}$. Journal of Materials Science: Materials in Electronics, 2009, 20, 125-129.	2.2	2
13	Origin of non-drude conductivity in the THz spectra of nanogranular semiconductors. , 2014, , .		0
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