

Tatsuya Mori

List of Publications by Year in descending order

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687363

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citing authors

#	ARTICLE	IF	CITATIONS
1	Control of Charge Transfer in a Series of Ru ₂ /TCNQ Two-Dimensional Networks by Tuning the Electron Affinity of TCNQ Units: A Route to Synergistic Magnetic/Conducting Optical Study of charge instability in CeRu ₂ . <i>Physical Review B</i> , 2010, 132, 1532-1544.	13.7	165
2	Optical study of charge instability in CeRu ₂ . <i>Physical Review B</i> , 2010, 132, 1532-1544.	3.2	57
3	Structure and properties of densified silica glass: characterizing the order within disorder. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	57
4	Boson peak dynamics of glassy glucose studied by integrated terahertz-band spectroscopy. <i>Physical Review B</i> , 2016, 94, .	3.2	48
5	Low-frequency vibrational properties of crystalline and glassy indomethacin probed by terahertz time-domain spectroscopy and low-frequency Raman scattering. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 150, 207-211.	3.9	46
6	Softening of infrared-active mode of perovskite BaZrO ₃ proved by terahertz time-domain spectroscopy. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	34
7	Boson peak dynamics of natural polymer starch investigated by terahertz time-domain spectroscopy and low-frequency Raman scattering. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 192, 446-450.	3.9	27
8	Terahertz time-domain spectroscopy of congruent LiNbO ₃ and LiTaO ₃ crystals. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 05FE01.	1.5	23
9	Boson peak, elasticity, and glass transition temperature in polymer glasses: Effects of the rigidity of chain bending. <i>Scientific Reports</i> , 2019, 9, 19514.	3.3	23
10	Spectroscopic properties of antimony modified germanate glass doped with Eu ³⁺ ions. <i>Ceramics International</i> , 2019, 45, 24811-24817.	4.8	20
11	Detection of boson peak and fractal dynamics of disordered systems using terahertz spectroscopy. <i>Physical Review E</i> , 2020, 102, 022502.	2.1	19
12	Characteristic terahertz absorption spectra of paramylon and paramylon-ester compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 244, 118828.	3.9	18
13	Optical conductivity from local anharmonic phonons. <i>Physical Review B</i> , 2009, 79, .	3.2	16
14	Progress of ultrafast terahertz time-domain spectroscopy: Raman inactive soft mode in quantum paraelectric SrTiO ₃ . <i>IOP Conference Series: Materials Science and Engineering</i> , 2014, 54, 012006.	0.6	12
15	Molecular vibration and Boson peak analysis of glucose polymers and ester via terahertz spectroscopy. <i>Carbohydrate Polymers</i> , 2020, 232, 115789.	10.2	12
16	Broadband terahertz time-domain spectroscopy of ferroelectric LiTaO ₃ : Phonon-polariton dispersion. <i>AIP Conference Proceedings</i> , 2014, .	0.4	10
17	Class transition dynamics of anti-inflammatory ketoprofen studied by Raman scattering and terahertz time-domain spectroscopy. <i>Journal of Molecular Structure</i> , 2014, 1062, 185-188.	3.6	10
18	Boson peak and structural heterogeneity in ternary SiO ₂ -Al ₂ O ₃ -B ₂ O ₃ glasses. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4991-5000.	3.8	9

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19	Anomalous Infrared Spectra of Hybridized Phonons in Type-I Clathrate Ba ₈ Ga ₁₆ Ge ₃₀ . Journal of the Physical Society of Japan, 2013, 82, 024601.	1.6	8
20	Terahertz time-domain spectroscopy of infrared active soft mode and phonon-polariton dispersion. Ferroelectrics, 2016, 500, 183-202.	0.6	8
21	Terahertz time-domain spectroscopy and Raman scattering studies of incipient ferroelectric BaZrO ₃ . Ferroelectrics, 2016, 499, 107-114.	0.6	8
22	Terahertz time-domain spectroscopy of Raman inactive phonon-polariton in strontium titanate. Ferroelectrics, 2016, 499, 100-106.	0.6	8
23	Broadband terahertz time-domain spectroscopy : crystalline and glassy drug materials. IOP Conference Series: Materials Science and Engineering, 2014, 54, 012001.	0.6	7
24	Broadband terahertz time-domain spectroscopic study on form II polyvinylidene fluoride. Journal of Molecular Structure, 2015, 1090, 93-97.	3.6	7
25	Physics of phonon-polaritons in amorphous materials. Journal of Chemical Physics, 2021, 154, 014501.	3.0	5
26	Investigation of the vibrational density of states of sodium carboxymethyl starch glass via terahertz time-domain spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 266, 120414.	3.9	5
27	Broadband Terahertz Time-Domain Spectroscopy of Archaeological Baltic Amber. International Letters of Chemistry, Physics and Astronomy, 0, 62, 29-33.	0.0	5
28	Broadband terahertz time-domain spectroscopy and low-frequency Raman scattering of glassy polymers: Boson peak of PMMA. Molecular Crystals and Liquid Crystals, 2016, 629, 258-263.	0.9	4
29	Understanding the scaling of boson peak through insensitivity of elastic heterogeneity to bending rigidity in polymer glasses. Journal of Physics Condensed Matter, 2021, 33, 274002.	1.8	4
30	Broadband terahertz dynamics of propylene glycol monomer and oligomers. Journal of Molecular Structure, 2016, 1126, 127-131.	3.6	3
31	Broadband Terahertz Time-Domain Spectroscopy of Complex Phonon-Polariton Dispersion Relation. Ferroelectrics, 2015, 485, 13-19.	0.6	2
32	Terahertz Time-Domain Spectroscopy and Low-Frequency Raman Scattering of Boson Peak Dynamics of Lithium Borate Glasses. , 2018, , .		2
33	Terahertz Time-Domain Spectroscopy and Low-Frequency Raman Scattering of Crystalline and Glassy Pharmaceutical Indapamide. International Letters of Chemistry, Physics and Astronomy, 0, 46, 16-22.	0.0	2
34	Small angle neutron scattering study on the structural variation of lysozyme in bioprotectants. Journal of the Korean Physical Society, 2015, 66, 1376-1380.	0.7	1
35	Optical Conductivity of Rattling Phonons in Type-I Clathrates Ba ₈ Ga ₁₆ Ge ₃₀ and Ba ₈ Ga ₁₆ Sn ₃₀ . Key Engineering Materials, 2012, 508, 341-346.	0.4	0
36	Boson Peak Detection of Colored Craft Glass by Terahertz Time-Domain Spectroscopy. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Terahertz Time-Domain Spectroscopy of Protein Myoglobin: Detection of Boson Peak and Fracton. , 2018, , .		0
38	Detection of Boson Peak and Fractal Dynamics of Protein by Terahertz Time-Domain Spectroscopy. , 2018, , .		0
39	Boson Peak and Fracton of Sodium Carboxymethyl Starch Detected by Terahertz Time-Domain and Low-Frequency Raman Spectroscopies. , 2018, , .		0
40	Terahertz Spectroscopy on Myoglobin: Boson Peak and Fracton. , 2019, , .		0
41	Terahertz Dynamics of Sodium Silicate Glass Investigated by Terahertz Time-Domain Spectroscopy. , 2021, , .		0
42	Boson Peak and Fracton of Polymethyl Methacrylate Detected by Terahertz-band Infrared and Raman Spectroscopies. , 2021, , .		0
43	Broadband Terahertz Time-Domain Spectroscopy and Low-Frequency Raman Scattering of Propylene Glycol. International Letters of Chemistry, Physics and Astronomy, 0, 62, 15-20.	0.0	0
44	Boson Peak Investigation of Unusually Disproportionated Amorphous Silicon Monoxide via Terahertz Spectroscopy. , 2020, , .		0
45	Boson Peak Analysis of Glucose Polymers via Terahertz Time-Domain Spectroscopy. , 2020, , .		0
46	Terahertz Time-Domain Spectroscopic Study of Oxide Glass with Entropic Elasticity. , 2020, , .		0
47	Boson Peak and Fracton of Polymethyl Methacrylate Detected by Terahertz Time-Domain and Low-Frequency Raman Spectroscopies. , 2020, , .		0