

Tatsuya Mori

List of Publications by Year in descending order

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770
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#	ARTICLE	IF	CITATIONS
1	Investigation of the vibrational density of states of sodium carboxymethyl starch glass via terahertz time-domain spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 266, 120414.	3.9	5
2	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
3	Physics of phonon-polaritons in amorphous materials. <i>Journal of Chemical Physics</i> , 2021, 154, 014501.	3.0	5
4	Boson peak and structural heterogeneity in ternary $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-B}_2\text{O}_3$ glasses. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4991-5000.	3.8	9
5	Understanding the scaling of boson peak through insensitivity of elastic heterogeneity to bending rigidity in polymer glasses. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 274002.	1.8	4
6	Terahertz Dynamics of Sodium Silicate Glass Investigated by Terahertz Time-Domain Spectroscopy. , 2021, , .		0
7	Boson Peak and Fracton of Polymethyl Methacrylate Detected by Terahertz-band Infrared and Raman Spectroscopies. , 2021, , .		0
8	Molecular vibration and Boson peak analysis of glucose polymers and ester via terahertz spectroscopy. <i>Carbohydrate Polymers</i> , 2020, 232, 115789.	10.2	12
9	Detection of boson peak and fractal dynamics of disordered systems using terahertz spectroscopy. <i>Physical Review E</i> , 2020, 102, 022502.	2.1	19
10	Structure and properties of densified silica glass: characterizing the order within disorder. <i>NPG Asia Materials</i> , 2020, 12, .	7.9	57
11	Boson Peak Investigation of Unusually Disproportionated Amorphous Silicon Monoxide via Terahertz Spectroscopy. , 2020, , .		0
12	Boson Peak Analysis of Glucose Polymers via Terahertz Time-Domain Spectroscopy. , 2020, , .		0
13	Terahertz Time-Domain Spectroscopic Study of Oxide Glass with Entropic Elasticity. , 2020, , .		0
14	Boson Peak and Fracton of Polymethyl Methacrylate Detected by Terahertz Time-Domain and Low-Frequency Raman Spectroscopies. , 2020, , .		0
15	Spectroscopic properties of antimony modified germanate glass doped with Eu^{3+} ions. <i>Ceramics International</i> , 2019, 45, 24811-24817.	4.8	20
16	Terahertz Spectroscopy on Myoglobin: Boson Peak and Fracton. , 2019, , .		0
17	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
18	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

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19	Boson Peak Detection of Colored Craft Glass by Terahertz Time-Domain Spectroscopy. , 2018, , .		0
20	Terahertz Time-Domain Spectroscopy of Protein Myoglobin: Detection of Boson Peak and Fracton. , 2018, , .		0
21	Terahertz Time-Domain Spectroscopy and Low-Frequency Raman Scattering of Boson Peak Dynamics of Lithium Borate Glasses. , 2018, , .		2
22	Detection of Boson Peak and Fractal Dynamics of Protein by Terahertz Time-Domain Spectroscopy. , 2018, , .		0
23	Boson Peak and Fracton of Sodium Carboxymethyl Starch Detected by Terahertz Time-Domain and Low-Frequency Raman Spectroscopies. , 2018, , .		0
24	Boson peak dynamics of glassy glucose studied by integrated terahertz-band spectroscopy. Physical Review B, 2016, 94, .	3.2	48
25	Terahertz time-domain spectroscopy of infrared active soft mode and phonon-polariton dispersion. Ferroelectrics, 2016, 500, 183-202.	0.6	8
26	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
27	Terahertz time-domain spectroscopy and Raman scattering studies of incipient ferroelectric BaZrO ₃ . Ferroelectrics, 2016, 499, 107-114.	0.6	8
28	Terahertz time-domain spectroscopy of Raman inactive phonon-polariton in strontium titanate. Ferroelectrics, 2016, 499, 100-106.	0.6	8
29	Broadband terahertz dynamics of propylene glycol monomer and oligomers. Journal of Molecular Structure, 2016, 1126, 127-131.	3.6	3
30	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
31	Softening of infrared-active mode of perovskite BaZrO ₃ proved by terahertz time-domain spectroscopy. Applied Physics Letters, 2015, 106, .	3.3	34
32	Broadband Terahertz Time-Domain Spectroscopy of Complex Phonon-Polariton Dispersion Relation. Ferroelectrics, 2015, 485, 13-19.	0.6	2
33	Low-frequency vibrational properties of crystalline and glassy indomethacin probed by terahertz time-domain spectroscopy and low-frequency Raman scattering. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 150, 207-211.	3.9	46
34	Broadband terahertz time-domain spectroscopic study on form II polyvinylidene fluoride. Journal of Molecular Structure, 2015, 1090, 93-97.	3.6	7
35	Progress of ultrafast terahertz time-domain spectroscopy: Raman inactive soft mode in quantum paraelectric SrTiO ₃ . IOP Conference Series: Materials Science and Engineering, 2014, 54, 012006.	0.6	12
36	Broadband terahertz time-domain spectroscopy : crystalline and glassy drug materials. IOP Conference Series: Materials Science and Engineering, 2014, 54, 012001.	0.6	7

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37	Terahertz time-domain spectroscopy of congruent LiNbO ₃ and LiTaO ₃ crystals. Japanese Journal of Applied Physics, 2014, 53, 05FE01.	1.5	23
38	Broadband terahertz time-domain spectroscopy of ferroelectric LiTaO ₃ : Phonon-polariton dispersion. AIP Conference Proceedings, 2014, , .	0.4	10
39	Glass transition dynamics of anti-inflammatory ketoprofen studied by Raman scattering and terahertz time-domain spectroscopy. Journal of Molecular Structure, 2014, 1062, 185-188.	3.6	10
40	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
41	Optical Conductivity of Rattling Phonons in Type-I Clathrates Ba ₈ Ca ₁₆ Ge ₃₀ and Optical study of charge instability in CeRu ₂ . Key Engineering Materials, 2012, 508, 341-346.	0.4	0
42	Optical study of charge instability in CeRu ₂ . Key Engineering Materials, 2012, 508, 341-346. Al ₂ in comparison with CeOs	3.2	57
43	Control of Charge Transfer in a Series of Ru ₂ ^{II,II} /TCNQ Two-Dimensional Networks by Tuning the Electron Affinity of TCNQ Units: A Route to Synergistic Magnetic/Conducting Materials. Journal of the American Chemical Society, 2010, 132, 1532-1544.	13.7	165
44	Optical conductivity from local anharmonic phonons. Physical Review B, 2009, 79, .	3.2	16
45	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
46	Broadband Terahertz Time-Domain Spectroscopy of Archaeological Baltic Amber. International Letters of Chemistry, Physics and Astronomy, 0, 62, 29-33.	0.0	5
47	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