

# Kohji Mizoguchi

## List of Publications by Year in descending order

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69  
papers

1,457  
citations

471509

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315739

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69  
all docs

69  
docs citations

69  
times ranked

1168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of Coherent Anharmonic Phonons in Bismuth Using High Density Photoexcitation. Physical Review Letters, 2002, 88, 067401.	7.8	207
2	Optical control of coherent optical phonons in bismuth films. Applied Physics Letters, 1996, 69, 2474-2476.	3.3	195
3	Study on dynamical structure in water and heavy water by low-frequency Raman spectroscopy. Journal of Chemical Physics, 1992, 97, 1961-1968.	3.0	150
4	Dynamics of coherent phonons in bismuth generated by ultrashort laser pulses. Physical Review B, 1998, 58, 5448-5452.	3.2	139
5	Determination of crystallographic orientations in silicon films by Raman microprobe polarization measurements. Journal of Applied Physics, 1989, 65, 2583-2590.	2.5	76
6	Observation of coherent folded acoustic phonons propagating in a GaAs/AlAs superlattice by two-color pump-probe spectroscopy. Physical Review B, 1999, 60, 8262-8266.	3.2	76
7	Ultrafast decay of coherent plasmon-phonon coupled modes in highly doped GaAs. Physical Review B, 1999, 60, 16526-16530.	3.2	56
8	Effect of oxygen content on phonon Raman spectra of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . Solid State Communications, 1988, 65, 835-839.	1.9	54
9	Dynamical structure of water in NaCl aqueous solution. Journal of Chemical Physics, 1998, 109, 1867-1872.	3.0	40
10	Raman Scattering Measurements of Strains in ZnSe Epitaxial Films on GaAs. Japanese Journal of Applied Physics, 1988, 27, 1327-1330.	1.5	39
11	Observation of coherent acoustic phonons in Fibonacci superlattices. Physical Review B, 1997, 55, 9336-9339.	3.2	33
12	Forcibly driven coherent soft phonons in GeTe with intense THz-rate pump fields. Applied Physics Letters, 2003, 83, 4921-4923.	3.3	28
13	Dynamical Fano-Like Interference between Rabi Oscillations and Coherent Phonons in a Semiconductor Microcavity System. Physical Review Letters, 2015, 115, 157402.	7.8	28
14	Selective Enhancement of Coherent Optical Phonons Using THz-rate Pulse Train. Japanese Journal of Applied Physics, 1998, 37, L281-L283.	1.5	23
15	Dynamical structure of water in alkali halide aqueous solutions. Journal of Chemical Physics, 1999, 110, 1558-1568.	3.0	20
16	Hase et al. Reply. Physical Review Letters, 2004, 93, .	7.8	20
17	PHOTO-IRRADIATION EFFECTS ON PREPARATION OF COLLOIDAL QUANTUM DOTS AND THEIR SURFACE MODIFICATION. International Journal of Modern Physics B, 2001, 15, 3829-3832.	2.0	19
18	Characterization of Silicon Implanted with Focused Ion Beam by Raman Microprobe. Japanese Journal of Applied Physics, 1987, 26, 903-907.	1.5	17

#	ARTICLE	IF	CITATIONS
19	Generation of Intense and Monochromatic Terahertz Radiation from Coherent Longitudinal Optical Phonons in GaAs/AlAs Multiple Quantum Wells at Room Temperature. <i>Applied Physics Express</i> , 2008, 1, 012004.	2.4	14
20	Raman Image Measurements of Laser-Recrystallized Polycrystalline Si Films by a Scanning Raman Microprobe. <i>Japanese Journal of Applied Physics</i> , 1986, 25, L222-L224.	1.5	13
21	Dynamical aspects of water by low-frequency Raman scattering. <i>Journal of Molecular Liquids</i> , 1995, 65-66, 187-194.	4.9	13
22	Optoelectronic Properties of Orientation-controlled Lead Phthalocyanine Films. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 6421-6425.	1.5	13
23	Simultaneous Observation of Coherent GaSb-like and AlSb-like Longitudinal Optical Phonons in GaSb/AlSb Superlattices. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 2598-2602.	1.6	12
24	Optical control of spin-polarized photocurrent in topological insulator thin films. <i>Scientific Reports</i> , 2018, 8, 15392.	3.3	12
25	Phonon Raman Scattering in Orthorhombic and Tetragonal YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . <i>Japanese Journal of Applied Physics</i> , 1987, 26, L1794-L1796.	1.5	11
26	Decay kinetics of the luminescence of Ag <sup>+</sup> centers doped in alkali halide crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 1327-1333.	1.5	11
27	Photoluminescence of excitons and biexcitons in (C <sub>4</sub> H <sub>9</sub> NH <sub>3</sub> ) <sub>2</sub> PbBr <sub>4</sub> crystals under high excitation density. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2501-2504.	0.8	10
28	Raman image study of flash-annealing of ion-implanted silicon. <i>Journal of Applied Physics</i> , 1995, 77, 3388-3392.	2.5	9
29	Enhanced terahertz emission from coherent longitudinal optical phonons in a quantum well structure under applied bias. <i>Applied Physics Letters</i> , 2009, 94, 171105.	3.3	9
30	Photoluminescence decay profiles of exciton-exciton scattering in a ZnO thin film. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 116-119.	0.8	8
31	Quantum beats of type-I and type-II excitons in an In <sub>x</sub> Ga <sub>1-x</sub> As/GaAs strained single quantum well. <i>Journal of Applied Physics</i> , 2012, 112, 043522.	2.5	8
32	Hydrogen and PO <sub>4</sub> Modes of RbH <sub>2</sub> PO <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , 1993, 62, 959-964.	1.6	7
33	Generation of coherent THz phonons in GeTe ferroelectrics. <i>Journal of Luminescence</i> , 2000, 87-89, 836-839.	3.1	7
34	Characterization of thermally annealed thin silicon films on insulators by Raman image measurement. <i>Journal of Applied Physics</i> , 1995, 78, 3357-3361.	2.5	6
35	Observation of Biexciton-Resonant Hyper-Parametric Scattering in SiO <sub>2</sub> /CuCl Layered Structures. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L234-L236.	1.5	6
36	Analysis of Coherent Phonon Signals by Sparsity-promoting Dynamic Mode Decomposition. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 054003.	1.6	6

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37	Vibrational Modes of Deuterium in KD <sub>2</sub> PO <sub>4</sub> . Journal of the Physical Society of Japan, 1993, 62, 451-454.	1.6	5
38	Temperature Dependence of Relaxation Time of Water in NaCl Aqueous Solution by Low-Frequency Raman Spectroscopy. Journal of the Physical Society of Japan, 1996, 65, 2690-2693.	1.6	5
39	Nonradiative Transition Processes between the Relaxed Excited States of Ag-Centers Doped in KI Crystals. Journal of the Physical Society of Japan, 2010, 79, 124708.	1.6	5
40	Thickness dependence of photoluminescence-decay profiles of exciton-exciton scattering in ZnO thin films. European Physical Journal B, 2013, 86, 1.	1.5	5
41	Energy transfer between Tl <sup>+</sup> -type impurities in NaCl crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 85-88.	0.8	5
42	Excitonic quantum beat at the mini-Brillouin-zone boundary in a GaAs/AlAs superlattice. Journal of Luminescence, 2008, 128, 1056-1058.	3.1	4
43	Theory of the lifetime of an exciton incoherently created below its resonance frequency by inelastic scattering. Physical Review B, 2015, 91, .	3.2	4
44	Normal mode analysis of a relaxation process with Bayesian inference. Science and Technology of Advanced Materials, 2020, 21, 67-78.	6.1	4
45	Coherent Phonons in Solids.. Hyomen Kagaku, 1998, 19, 64-71.	0.0	4
46	Characterization of epitaxial thin GaP films on GaAs by Raman scattering. Journal of Applied Physics, 1991, 69, 8304-8309.	2.5	3
47	Temperature dependence of dynamical processes of photoluminescence from exciton-exciton scattering in CuI thin films. Journal of Luminescence, 2006, 119-120, 457-461.	3.1	3
48	Characterization of Ion Implantation Dose by Raman Scattering and Photothermal Wave Techniques. Japanese Journal of Applied Physics, 1992, 31, L1422-L1424.	1.5	2
49	Dynamical process of exciton-exciton scattering in CuI thin films. Journal of Luminescence, 2007, 122-123, 396-398.	3.1	2
50	Characteristics of coherent transverse optical phonon in CuI thin films on Au nano-films. European Physical Journal B, 2013, 86, 1.	1.5	2
51	Formation and migration of VK centers from localized excitons in NaCl:V <sup>2+</sup> and NaCl:V <sup>2+</sup> ,Tl <sup>+</sup> crystals. Journal of Luminescence, 2020, 226, 117359.	3.1	2
52	Complex energies of the coherent longitudinal optical phonon-plasmon coupled mode according to dynamic mode decomposition analysis. Scientific Reports, 2021, 11, 23169.	3.3	2
53	Raman Investigation of the Localized Vibrational Mode of Carbon in Strain-Relaxed Si <sub>1-x</sub> Ge <sub>x</sub> :C. Japanese Journal of Applied Physics, 2001, 40, 5905-5906.	1.5	1
54	Anomalous detection-energy dependence of coherent phonon in bismuth thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 169-172.	0.8	1

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55	Optical properties of asymmetric coupled CuCl microcavities. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	1
56	Emission-energy dependence of ultrafast P-emission decay in ZnO from bulk to nanofilm. <i>Journal of Luminescence</i> , 2014, 152, 250-253.	3.1	1
57	Quantitative characterization of highly efficient correlated photon-pair source using biexciton resonance. <i>Optics Express</i> , 2016, 24, 6034.	3.4	1
58	Dynamical aspects of water by low-frequency Raman scattering. <i>Studies in Physical and Theoretical Chemistry</i> , 1995, , 187-194.	0.0	0
59	Effects of a miniband structure on coherent LO phonon-plasmon coupled modes in an (InAs) <sub>1</sub> /(GaAs) <sub>30</sub> strained-layer superlattice. <i>Physica B: Condensed Matter</i> , 2002, 314, 422-426.	2.7	0
60	Coherent phonons in bismuth under high-density excitation. <i>Physica B: Condensed Matter</i> , 2002, 316-317, 292-295.	2.7	0
61	Coupling of coherent phonons to excitonic quantum beats in GaAs/AlAs multiple quantum wells (Invited Paper). , 2005, , .		0
62	Coherent Control of Terahertz Wave from Coherent Longitudinal Optical Phonon in a GaAs/AlAs Multiple-Quantum-Well Structure. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 120202.	1.5	0
63	Photoluminescence dynamics originating from exciton-exciton and exciton-electron scattering in a GaN thin film. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 2497-2500.	0.8	0
64	Collinear and degenerate polariton pair emission via biexciton-resonant hyper-parametric scattering. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2016, 13, 117-120.	0.8	0
65	Ultrafast dynamics of coherent anharmonic phonons in bismuth. , 2002, , .		0
66	Ultrafast dynamics of coherent anharmonic phonons in bismuth. <i>Springer Series in Chemical Physics</i> , 2003, , 386-388.	0.2	0
67	Intense coherent optical phonons driven by impulsive excitonic interference under electric fields. <i>Springer Series in Chemical Physics</i> , 2005, , 251-253.	0.2	0
68	Ultrafast Dynamics of Electron-Hole Plasma Coupled to Optical Phonons in a ZnO Thin Film. <i>Springer Series in Chemical Physics</i> , 2009, , 226-228.	0.2	0
69	Evaluation of two-photon polarization density matrix of polarization-entangled photon pairs generated through biexciton resonant hyper-parametric scattering. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 1581.	2.1	0