# Mitsuru Sugisaki

List of Publications by Year
in descending order



| 65 | 1,136 | 361413 | 434195 |
|---|---|---|---|
| papers | citations | 20 h-index | 31 g-index |

| 68 | 68 | 68 | 1037 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Anti-Stokes fluorescence from chlorophyll a. Journal of Physics: Conference Series, 2019, 1220, 012043. | 0.4 | 1 |
| 2 | Transient grating spectroscopy of Î²-carotene pumped with spectrally chirped pulses. Journal of Physics: Conference Series, 2019, 1220, 012045. | 0.4 | 0 |
| 3 | Photoprotection Mechanism of Light-Harvesting Antenna Complex from Purple Bacteria. Journal of Physical Chemistry B, 2016, 120, 951-956. | 2.6 | 29 |
| 4 | How do surrounding environments influence the electronic and vibrational properties of spheroidene?. Photosynthesis Research, 2015, 124, 77-86. | 2.9 | 5 |
| 5 | Ultrafast coherent spectroscopic investigation on photosynthetic pigment chlorophyll a utilizing 20 fs pulses. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 313, 72-78. | 3.9 | 10 |
| 6 | Ultrafast time-resolved vibrational spectroscopies of carotenoids in photosynthesis. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 69-78. | 1.0 | 22 |
| 7 | Elucidation and Control of an Intramolecular Charge Transfer Property of Fucoxanthin by a Modification of Its Polyene Chain Length. Journal of Physical Chemistry Letters, 2014, 5, 792-797. | 4.6 | 30 |
| 8 | Characterization of the intramolecular transfer state of marine carotenoid fucoxanthin by femtosecond pumpâ€“probe spectroscopy. Photosynthesis Research, 2014, 121, 61-68. | 2.9 | 19 |
| 9 | Roles of allene-group in an intramolecular charge transfer character of a short fucoxanthin homolog as revealed by femtosecond pump-probe spectroscopy. Chemical Physics Letters, 2014, 602, 75-79. | 2.6 | 13 |
| 10 | Ultrafast intramolecular relaxation dynamics of Mg- and Zn-bacteriochlorophyll a. Journal of Chemical Physics, 2013, 139, 034311. | 3.0 | 14 |
| 11 | Ultrafast excited state dynamics of spirilloxanthin in solution and bound to core antenna complexes: Identification of the S* and T1 states. Journal of Chemical Physics, 2012, 137, 064505. | 3.0 | 26 |
| 12 | Generation of coherently coupled vibronic oscillations in carotenoids. Physical Review B, 2012, 85, . | 3.2 | 7 |
| 13 | Ultrafast excited state dynamics of fucoxanthin: excitation energy dependent intramolecular charge transfer dynamics. Physical Chemistry Chemical Physics, 2011, 13, 10762. | 2.8 | 39 |
| 14 | The dependence of excitation energy transfer pathways on conjugation length of carotenoids in purple bacterial photosynthetic antennae. Physica Status Solidi (B): Basic Research, 2011, 248, 403-407. | 1.5 | 9 |
| 15 | Morphology dependent exciton formation in regioregular poly(3-alkyl)thiophenes. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 88-91. | 0.8 | 2 |
| 16 | Ultrafast excited state dynamics of monomeric bacteriochlorophyll a. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 92-95. | 0.8 | 14 |
| 17 | Ultrafast Energyâ€Transfer Pathway in a Purpleâ€Bacterial Photosynthetic Core Antenna, as Revealed by Femtosecond Timeâ€Resolved Spectroscopy. Angewandte Chemie - International Edition, 2011, 50, 1097-1100. | 13.8 | 28 |
| 18 | Strong coherent coupling of vibronic oscillations in spheroidene. Physics Procedia, 2011, 13, 74-77. | 1.2 | 3 |

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|---|---|---|---|
| 19 | Ultrafast S1 and ICT state dynamics of a marine carotenoid probed by femtosecond one- and two-photon pump-probe spectroscopy. Journal of Luminescence, 2011, 131, 515-518. | 3.1 | 27 |
| 20 | Comparison of transient grating signals from spheroidene in an organic solvent and in pigment-protein complexes fromRhodobacter sphaeroides2.4.1. Physical Review B, 2010, 81, . | 3.2 | 21 |
| 21 | Strongly Coupled Vibronic Modes Investigated by Means of Four-wave Mixing Spectroscopy. , 2010, , . | | 0 |
| 22 | Morphology-Dependent Carrier and Exciton Generations in Regioregular Poly(3-hexylthiophene) Polymer Diodes as Revealed by Bleaching Spectroscopy. Physical Review Letters, 2009, 103, 187402. | 7.8 | 20 |
| 23 | Excitation-energy dependence of transient grating spectroscopy in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-carotene. Physical Review B, 2009, 80, . | 3.2 | 22 |
| 24 | Temperature effects on quasi-isolated conjugated polymers as revealed by temperature-dependent optical spectra of 16-mer oligothiophene diluted in a sold matrix. Journal of Chemical Physics, 2009, 130, 234909. | 3.0 | 11 |
| 25 | Thirdâ€order optical nonlinearity of Î²â€carotene homologues. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S31. | 0.8 | 2 |
| 26 | Ultrafast coherent vibronic oscillations in regioregular poly(3-alkylthiophene). Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S46-S49. | 0.8 | 4 |
| 27 | Transient grating spectroscopy in photosynthetic purple bacteria Rhodobacter sphaeroides 2.4.1. Journal of Luminescence, 2009, 129, 1908-1911. | 3.1 | 5 |
| 28 | Intrachain photoluminescence dynamics of a long oligothiophene at room temperature. Journal of Luminescence, 2009, 129, 1845-1848. | 3.1 | 1 |
| 29 | One- and two-photon pumpâ€“probe optical spectroscopic measurements reveal the S1 and intramolecular charge transfer states are distinct in fucoxanthin. Chemical Physics Letters, 2009, 483, 95-100. | 2.6 | 59 |
| 30 | Construction of hybrid photosynthetic units using peripheral and core antennae from two different species of photosynthetic bacteria: detection of the energy transfer from bacteriochlorophyll a in LH2 to bacteriochlorophyll b in LH1. Photosynthesis Research, 2008, 95, 327-337. | 2.9 | 14 |
| 31 | Four-wave mixing signals from Î²-carotene and its nÂ=Â15 homologue. Photosynthesis Research, 2008, 95, 299-308. | 2.9 | 20 |
| 32 | Linear and nonlinear optical responses in bacteriochlorophyll a. Photosynthesis Research, 2008, 95, 309-316. | 2.9 | 8 |
| 33 | Energy dissipation in the ground-state vibrational manifolds of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-carotene homologues: A sub-20-fs time-resolved transient grating spectroscopic study. Physical Review B, 2008, 77, . | 3.2 | 31 |
| 34 | Large third-order optical nonlinearity realized in symmetric nonpolar carotenoids. Physical Review B, 2008, 78, . | 3.2 | 7 |
| 35 | Coherent Spectroscopy of Carotenoid and Bacteriochlorophyll. , 2008, , 265-268. | | 0 |
| 36 | Anisotropic optical response of InP self-assembled quantum dots studied by pump-probe spectroscopy. Physical Review B, 2007, 75, . | 3.2 | 2 |

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| 37 | Unified explanation for linear and nonlinear optical responses inÎ²-carotene: A sub-20â^'fsdegenerate four-wave mixing spectroscopic study. Physical Review B, 2007, 75, . | 3.2 | 57 |
| 38 | Determination of thed-Tensor Components of a Single Crystal ofN-Benzyl-2-methyl-4-nitroaniline. Japanese Journal of Applied Physics, 2007, 46, 1528-1530. | 1.5 | 36 |
| 39 | Intrachain Photoluminescence Dynamics of MEHâ^'PPV in the Solid State. Journal of Physical Chemistry B, 2007, 111, 12389-12394. | 2.6 | 15 |
| 40 | Second Order Nonlinear Optical Properties of the Single Crystal ofN-Benzyl 2-methyl-4-nitroaniline: Anomalous Enhancement of thed333Component and Its Possible Origin. Japanese Journal of Applied Physics, 2006, 45, 8676-8685. | 1.5 | 41 |
| 41 | External-field effects on the optical spectra of self-assembled InP quantum dots. Physical Review B, 2002, 66, . | 3.2 | 58 |
| 42 | Optical Properties of InP Self-Assembled Quantum Dots Studied by Imaging and Single Dot Spectroscopy. Japanese Journal of Applied Physics, 2002, 41, 958-966. | 1.5 | 16 |
| 43 | Micro-Imaging and Single Dot Spectroscopy of Self-Assembled Quantum Dots. Nanoscience and Technology, 2002, , 149-208. | 1.5 | 0 |
| 44 | Photoluminescence and micro-imaging study of optically anisotropic InP self-assembled quantum dots. Solid State Communications, 2001, 117, 679-684. | 1.9 | 7 |
| 45 | Resonant Brillouin Scattering of Exciton-Polaritons in Î²-ZnP2. Journal of the Physical Society of Japan, 2001, 70, 3134-3142. | 1.6 | 2 |
| 46 | Fluorescence Intermittency in Self-Assembled InP Quantum Dots. Physical Review Letters, 2001, 86, 4883-4886. | 7.8 | 70 |
| 47 | Imaging and single dot spectroscopy of InP self-assembled quantum dots. Journal of Luminescence, 2000, 87-89, 40-45. | 3.1 | 24 |
| 48 | Spontaneous one-dimensional lateral alignment of multistacked InGaAs quantum dots on GaAs ()B substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 303-307. | 2.7 | 15 |
| 49 | Excitons at a single localized center induced by a natural composition modulation in bulkGa0.5In0.5P. Physical Review B, 2000, 61, 16040-16044. | 3.2 | 18 |
| 50 | Temperature Dependence of Luminescence Decay Time of InP Quantum Disks. Japanese Journal of Applied Physics, 1999, 38, 1094-1097. | 1.5 | 5 |
| 51 | Highly Uniform and Small InP/GaInP Self-Assembled Quantum Dots Grown by Metal-Organic Vapor Phase Epitaxy. Japanese Journal of Applied Physics, 1999, 38, 507-510. | 1.5 | 12 |
| 52 | Spontaneous lateral alignment of multistacked In0.45Ga0.55As quantum dots on GaAs(311)B substrate. Journal of Crystal Growth, 1999, 200, 77-84. | 1.5 | 13 |
| 53 | Lateral Composition Modulation Induced Optical Anisotropy in InP/GaInP Quantum Dot System. Japanese Journal of Applied Physics, 1999, 38, 2438-2441. | 1.5 | 28 |
| 54 | Optical anisotropy in self-assembled InP quantum dots. Physical Review B, 1999, 59, R5300-R5303. | 3.2 | 79 |

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| 55 | Time-resolved luminescence study of InP quantum dots in GaInP matrix. Solid-State Electronics, 1998, 42, 1319-1323. | 1.4 | 2 |
| 56 | Magnetic field effects in InP self-assembled quantum dots. Physica B: Condensed Matter, 1998, 256-258, 169-172. | 2.7 | 16 |
| 57 | Time-resolved luminescence of InP quantum dots in aGa0.5In0.5Pmatrix: Carrier injection from the matrix. Physical Review B, 1998, 57, 1386-1389. | 3.2 | 24 |
| 58 | Control of InAs Self-Assembled Islands on GaAs Vicinal Surfaces by Annealing in Gas-Source Molecular Beam Epitaxy. Japanese Journal of Applied Physics, 1997, 36, 4118-4122. | 1.5 | 15 |
| 59 | Magnetic field effects on luminescence and excitation spectra in Î²-ZnP2. Journal of Luminescence, 1997, 72-74, 85-86. | 3.1 | 5 |
| 60 | Intersystem Conversion between Singlet and Triplet Exciton States in ZnP2. Journal of the Physical Society of Japan, 1996, 65, 23-26. | 1.6 | 18 |
| 61 | <title>Resonant secondary emisssion in beta-ZnP2</title>. , 1995, , . | | 0 |
| 62 | <title>Exciton luminescence in beta-ZnP2: 2s and 3s</title>. , 1995, , . | | 0 |
| 63 | Emission from the Higher Members of Exciton (n=2, 3 and 4) in Î²-ZnP2. Journal of the Physical Society of Japan, 1995, 64, 3506-3513. | 1.6 | 14 |
| 64 | Resonant Secondary Emission and Its Excitation Energy Dependence in Monoclinic Zinc Diphosphide. Journal of the Physical Society of Japan, 1994, 63, 4249-4255. | 1.6 | 11 |
| 65 | Infrared Lattice Vibration Spectra at Low Temperature in Î²-ZnP2. Journal of the Physical Society of Japan, 1993, 62, 4533-4534. | 1.6 | 7 |