

Yuko Ueno

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

1,543
citations

23
h-index

35
g-index

97
ext. papers

1,711
ext. citations

4.4
avg, IF

4.54
L-index

| # | Paper | IF | Citations |
|----|---|------|-----------|
| 87 | Graphene-Based FRET Aptasensors. <i>Analytical Sciences</i> , 2021 , 37, 439-446 | 1.7 | 3 |
| 86 | Tough, permeable and biocompatible microfluidic devices formed through the buckling delamination of soft hydrogel films. <i>Lab on A Chip</i> , 2021 , 21, 1307-1317 | 7.2 | 2 |
| 85 | Current status of transparent conducting oxide layers with high electron mobility and their application in Cu(In,Ga)Se ₂ mini-modules. <i>Thin Solid Films</i> , 2019 , 673, 26-33 | 2.2 | 3 |
| 84 | Graphene-based neuron encapsulation with controlled axonal outgrowth. <i>Nanoscale</i> , 2019 , 11, 13249-13259 | 7.7 | 5 |
| 83 | Improved efficiency of Cu(In,Ga)Se ₂ mini-module via high-mobility In ₂ O ₃ :W,H transparent conducting oxide layer. <i>Progress in Photovoltaics: Research and Applications</i> , 2019 , 27, 491-500 | 6.8 | 11 |
| 82 | Mesoporous Silica. <i>Analytical Sciences</i> , 2019 , 35, 121-122 | 1.7 | |
| 81 | Dynamic Creation of 3D Hydrogel Architectures via Selective Swelling Programmed by Interfacial Bonding. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28267-28277 | 9.5 | 9 |
| 80 | Development of portable immunoassay device for future Internet of Things applications 2019 , 87-103 | | |
| 79 | Self-Folded Three-Dimensional Graphene with a Tunable Shape and Conductivity. <i>Nano Letters</i> , 2019 , 19, 461-470 | 11.5 | 9 |
| 78 | Relaxation of Plasma Carriers in Graphene: An Approach by Frequency-Dependent Optical Conductivity Measurement. <i>Advanced Optical Materials</i> , 2018 , 6, 1701402 | 8.1 | 9 |
| 77 | Impact of front contact layers on performance of Cu(In,Ga)Se ₂ solar cells in relaxed and metastable states. <i>Progress in Photovoltaics: Research and Applications</i> , 2018 , 26, 789-799 | 6.8 | 8 |
| 76 | On-Chip FRET Graphene Aptasensor. <i>International Journal of Automation Technology</i> , 2018 , 12, 37-44 | 0.8 | |
| 75 | Capturing the Freeze-Drying Dynamics of NaCl Nanoparticles Using THz Spectroscopy. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13793-13797 | 16.4 | 9 |
| 74 | Self-propelled ion gel at air-water interface. <i>Scientific Reports</i> , 2017 , 7, 9323 | 4.9 | 11 |
| 73 | Effects of long-term heat-light soaking on Cu(In,Ga)Se ₂ solar cells with KF postdeposition treatment. <i>Applied Physics Express</i> , 2017 , 10, 092301 | 2.4 | 37 |
| 72 | Cell Assembly in Self-foldable Multi-layered Soft Micro-rolls. <i>Scientific Reports</i> , 2017 , 7, 17376 | 4.9 | 12 |
| 71 | Raman Spectroscopy of Pharmaceutical Cocrystals in Nanosized Pores of Mesoporous Silica. <i>Analytical Sciences</i> , 2017 , 33, 47-52 | 1.7 | 2 |

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|----|---|-----|----|
| 70 | Graphene FRET Aptasensor. <i>ACS Sensors</i> , 2016 , 1, 710-716 | 9.2 | 23 |
| 69 | On-chip graphene oxide aptasensor for multiple protein detection. <i>Analytica Chimica Acta</i> , 2015 , 866, 1-9 | 6.6 | 36 |
| 68 | On-chip FRET Graphene Oxide Aptasensor: Quantitative Evaluation of Enhanced Sensitivity by Aptamer with a Double-stranded DNA Spacer. <i>Analytical Sciences</i> , 2015 , 31, 875-9 | 1.7 | 14 |
| 67 | Low-temperature crystallization and high-temperature instability of hydroxyapatite thin films deposited on Ru, Ti, and Pt metal substrates. <i>Surface and Coatings Technology</i> , 2015 , 266, 42-48 | 4.4 | 7 |
| 66 | Control of surface wettability of hydroxyapatite thin films by way of crystal imperfections. <i>Applied Physics Express</i> , 2015 , 8, 107001 | 2.4 | 1 |
| 65 | Control of composition and crystallinity in hydroxyapatite films deposited by electron cyclotron resonance plasma sputtering. <i>Journal of Physics and Chemistry of Solids</i> , 2014 , 75, 94-99 | 3.9 | 13 |
| 64 | Nondestructive Multicomponent Terahertz Chemical Imaging of Medicine in Tablets. <i>Journal of the Electrochemical Society</i> , 2014 , 161, B171-B175 | 3.9 | 14 |
| 63 | Distinct crystallinity and orientations of hydroxyapatite thin films deposited on C- and A-plane sapphire substrates. <i>Journal of Crystal Growth</i> , 2014 , 404, 241-245 | 1.6 | 7 |
| 62 | Air-band optical resonators in one-dimensional Si photonic crystal waveguides for biosensing applications. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 04EG09 | 1.4 | 4 |
| 61 | Quantitative Mapping of Pharmaceutical Cocrystals Within Cellulose by Terahertz Spectroscopy. <i>Journal of Lightwave Technology</i> , 2014 , 32, 3768-3773 | 4 | 12 |
| 60 | Molecular design for enhanced sensitivity of a FRET aptasensor built on the graphene oxide surface. <i>Chemical Communications</i> , 2013 , 49, 10346-8 | 5.8 | 27 |
| 59 | Isothermic determination of aqueous solution glucose concentration in low mg/dL range by CW-photoacoustic-based protocol. <i>Sensors and Actuators B: Chemical</i> , 2013 , 185, 568-574 | 8.5 | 6 |
| 58 | Protein recognition on a single graphene oxide surface fixed on a solid support. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 1119-1124 | 7.3 | 26 |
| 57 | Chemical mapping of pharmaceutical cocrystals using terahertz spectroscopic imaging. <i>Analytical Chemistry</i> , 2013 , 85, 1980-4 | 7.8 | 49 |
| 56 | Growth of preferentially c-axis oriented hydroxyapatite thin films on Si(1 0 0) substrate by electron-cyclotron-resonance plasma sputtering. <i>Applied Surface Science</i> , 2013 , 276, 217-222 | 6.7 | 14 |
| 55 | Nondestructive Three-Dimensional Observation of the Influence of Zirconium Inclusions in Laser-Irradiated Fusion-Spliced Optical Fiber on Core Structure Changes Using Synchrotron Radiation X-ray Micro-Computed Tomography. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 096602 | 1.4 | 1 |
| 54 | Graphene-modified interdigitated array electrode: fabrication, characterization, and electrochemical immunoassay application. <i>Analytical Sciences</i> , 2013 , 29, 55-60 | 1.7 | 22 |
| 53 | Near-Infrared Photoluminescence Spectral Imaging of Chemically Oxidized Graphene Flakes. <i>E-Journal of Surface Science and Nanotechnology</i> , 2012 , 10, 513-517 | 0.7 | 1 |

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|----|--|-----|-----|
| 52 | Terahertz Spectroscopic Imaging of Polymorphic Forms in Pharmaceutical Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 538, 33-38 | 0.5 | 18 |
| 51 | Towards non-invasive and continuous monitoring of blood glucose level based on CW photoacoustics: New concept for selective and sensitive measurements of aqueous glucose 2011 , | | 1 |
| 50 | THz Chemical Imaging for Biological Applications. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2011 , 1, 293-300 | 3.4 | 103 |
| 49 | Quantitative analysis of amino acids in dietary supplements using terahertz time-domain spectroscopy. <i>Analytical Sciences</i> , 2011 , 27, 351 | 1.7 | 20 |
| 48 | Terahertz Chemical Imaging of Molecular Networks for Pharmaceutical Applications. <i>ECS Transactions</i> , 2011 , 35, 157-165 | 1 | 4 |
| 47 | Synthesis and evaluation of novel stearyl-CoA desaturase 1 inhibitors: 1F{6-[5-(pyridin-3-ylmethyl)-1,3,4-oxadiazol-2-yl]pyridazin-3-yl}-3,4-dihydrospiro[chromene-2,4Tpiperidine] analogs. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 4788-96 | 6.3 | 28 |
| 46 | Novel benzoylpiperidine-based stearyl-CoA desaturase-1 inhibitors: Identification of 6-[4-(2-methylbenzoyl)piperidin-1-yl]pyridazine-3-carboxylic acid (2-hydroxy-2-pyridin-3-ylethyl)amide and its plasma triglyceride-lowering effects in Zucker fatty rats. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 341-5 | 2.9 | 23 |
| 45 | Novel spiropiperidine-based stearyl-CoA desaturase-1 inhibitors: Identification of 1F{6-[5-(pyridin-3-ylmethyl)-1,3,4-oxadiazol-2-yl]pyridazin-3-yl}-5-(trifluoromethyl)-3,4-dihydrospiro[chromene-2,4Tpiperidine] analogs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 746-54 | 2.9 | 23 |
| 44 | Chirality emergence in thin solid films of amino acids by polarized light from synchrotron radiation and free electron laser. <i>International Journal of Molecular Sciences</i> , 2009 , 10, 3044-64 | 6.3 | 33 |
| 43 | Dynamic range criterion of THz spectrum for amino acids measurements. <i>Frontiers of Optoelectronics in China</i> , 2009 , 2, 239-243 | | 1 |
| 42 | Novel and potent inhibitors of stearyl-CoA desaturase-1. Part II: Identification of 4-ethylamino-3-(2-hydroxyethoxy)-N-[5-(3-trifluoromethylbenzyl)thiazol-2-yl]benzamide and its biological evaluation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 4159-66 | 2.9 | 26 |
| 41 | Terahertz Images of Biological Molecules: Frequency Dependence of Spatial Resolution Using a Tunable Terahertz Laser Source. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1315-1320 | 1.4 | 4 |
| 40 | Analytical terahertz spectroscopy. <i>Analytical Sciences</i> , 2008 , 24, 185-92 | 1.7 | 58 |
| 39 | Molecular Recognition of Low Molecular Weight Organic Compounds in Mesoporous Silica and Their Applications to Microscale Analytical System. <i>Bunseki Kagaku</i> , 2008 , 57, 871-881 | 0.2 | |
| 38 | Analysis of power enhancement of terahertz waves in periodically inverted GaP pumped at 1.55 mm. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007 , 204, 1221-1226 | 1.6 | 3 |
| 37 | Detecting a sodium chloride ion pair in ice using terahertz time-domain spectroscopy. <i>Analytical Sciences</i> , 2007 , 23, 917-20 | 1.7 | 11 |
| 36 | Terahertz time-domain spectra of aromatic carboxylic acids incorporated in nano-sized pores of mesoporous silicate. <i>Analytical Sciences</i> , 2007 , 23, 803-7 | 1.7 | 18 |
| 35 | ?????????????????????. <i>Journal of the Spectroscopical Society of Japan</i> , 2007 , 56, 15-16 | | 1 |

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| 34 | Infrared spectroscopic investigation of higher diamondoids. <i>Journal of Molecular Spectroscopy</i> , 2006 , 238, 158-167 | 1.3 | 39 |
| 33 | Quantitative measurements of amino acids by terahertz time-domain transmission spectroscopy. <i>Analytical Chemistry</i> , 2006 , 78, 5424-8 | 7.8 | 98 |
| 32 | Terahertz-wave generation from quasi-phase-matched GaP for 1.55 μ m pumping. <i>Applied Physics Letters</i> , 2006 , 88, 071118 | 3.4 | 58 |
| 31 | Angle-dependent terahertz time-domain spectroscopy of amino acid single crystals. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 21259-63 | 3.4 | 54 |
| 30 | Terahertz notch filter using intermolecular hydrogen bonds in a sucrose crystal. <i>Optics Express</i> , 2006 , 14, 5765-72 | 3.3 | 15 |
| 29 | Terahertz Time-domain Spectra of Inter- and Intramolecular Hydrogen Bonds of Fumaric and Maleic Acids. <i>Chemistry Letters</i> , 2006 , 35, 1128-1129 | 1.7 | 12 |
| 28 | ?????????????????. <i>Electrochemistry</i> , 2006 , 74, 506-511 | 1.2 | |
| 27 | Effect of the calcination temperature of self-ordered mesoporous silicate on its adsorption characteristics for aromatic hydrocarbons. <i>New Journal of Chemistry</i> , 2005 , 29, 504 | 3.6 | 9 |
| 26 | A Simple Method for Fabrication of Mesoporous Films Using a Rapid Heating Process. <i>Chemistry Letters</i> , 2005 , 34, 328-329 | 1.7 | 4 |
| 25 | High benzene selectivity of mesoporous silicate for BTX gas sensing microfluidic devices. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 382, 804-9 | 4.4 | 17 |
| 24 | Extremely intense Raman signals from single-walled carbon nanotubes suspended between Si nanopillars. <i>Chemical Physics Letters</i> , 2004 , 386, 153-157 | 2.5 | 34 |
| 23 | Characterization of carbon nanotubes suspended between nanostructures using micro-Raman spectroscopy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004 , 24, 26-31 | 3 | 20 |
| 22 | High benzene selectivity of uniform sub-nanometre pores of self-ordered mesoporous silicate. <i>Chemical Communications</i> , 2004 , 746-7 | 5.8 | 37 |
| 21 | Vibrational spectra and electron-vibration interactions of the naphthalene radical anion ? Experimental and theoretical study. <i>Canadian Journal of Chemistry</i> , 2004 , 82, 951-963 | 0.9 | 13 |
| 20 | Platinum Surface Modification of SBA-15 by γ -Radiation Treatment. <i>Advanced Materials</i> , 2003 , 15, 511-513 | 3.4 | 19 |
| 19 | Portable automatic BTX measurement system with microfluidic device using mesoporous silicate adsorbent with nano-sized pores. <i>Sensors and Actuators B: Chemical</i> , 2003 , 95, 282-286 | 8.5 | 25 |
| 18 | Application of a cubic-like mesoporous silica film to a surface photovoltage gas sensing system. <i>Microporous and Mesoporous Materials</i> , 2002 , 54, 269-276 | 5.3 | 64 |
| 17 | Separate detection of BTX mixture gas by a microfluidic device using a function of nanosized pores of mesoporous silica adsorbent. <i>Analytical Chemistry</i> , 2002 , 74, 5257-62 | 7.8 | 33 |

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|----|--|------|----|
| 16 | Co-Sputtered Thin Film Consisting of Platinum Nanoparticles Embedded in Graphite-Like Carbon and Its High Electrocatalytic Properties for Electroanalysis. <i>Chemistry of Materials</i> , 2002 , 14, 4796-4799 | 9.6 | 29 |
| 15 | Air-cooled cold trap channel integrated in a microfluidic device for monitoring airborne BTEX with an improved detection limit. <i>Analytical Chemistry</i> , 2002 , 74, 1712-7 | 7.8 | 27 |
| 14 | Study of reactor-NO ₂ -gas diffusion in a porous glass chip by near-infrared Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 2341-2345 | 3.6 | 3 |
| 13 | Portable System for Selective Detection of Aromatic VOC Mixture-Gases Using a Microfluidic Device 2002 , 536-538 | | |
| 12 | Soft X-ray emission spectra in the O K region of oxygen incorporated in microporous carbon. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001 , 114-116, 301-305 | 1.7 | 2 |
| 11 | Experimental technique for radiative-process-resolved X-ray absorption spectroscopy at the inner-shell excitation thresholds. <i>Journal of Synchrotron Radiation</i> , 2001 , 8, 369-71 | 2.4 | 2 |
| 10 | Soft X-ray emission and absorption spectra in the O K region of oxygen incorporated in microporous carbon. <i>Carbon</i> , 2001 , 39, 1399-1402 | 10.4 | 2 |
| 9 | Soft X-ray emission and absorption spectra in the C K region of sputtered amorphous carbon films. <i>Carbon</i> , 2001 , 39, 1403-1407 | 10.4 | 21 |
| 8 | Microfluidic device for airborne BTEX detection. <i>Analytical Chemistry</i> , 2001 , 73, 4688-93 | 7.8 | 59 |
| 7 | Near-Infrared Raman Spectra of Azo Dye Produced by a Nitrogen-Dioxide-Gas-Selective Coloration Reaction in a Porous Glass Chip. <i>Applied Spectroscopy</i> , 2001 , 55, 1151-1154 | 3.1 | 2 |
| 6 | Micro-Fluidic Device for Detection and Identification of Aromatic VOC by Optical Method 2001 , 527-528 | | 1 |
| 5 | Direct observation of benzene and pyridine molecules adsorbed in microporous carbon using synchrotron-radiation-excited soft X-ray emission spectroscopy. <i>Carbon</i> , 2000 , 38, 1939-1942 | 10.4 | 5 |
| 4 | Soft X-ray emission and absorption spectroscopy of hydrofullerene. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000 , 107, 177-184 | 1.7 | 7 |
| 3 | Chemical bonding state analysis of silicon carbide layers in Mo/SiC/Si multilayer mirrors by soft x-ray emission and absorption spectroscopy. <i>Applied Physics Letters</i> , 2000 , 77, 2653-2655 | 3.4 | 10 |
| 2 | Configurations of Benzene and Pyridine Molecules Adsorbed on Graphitic Surface of Microporous Carbon. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 7154-7162 | 3.4 | 7 |
| 1 | Infrared Intensity-Carrying Modes and Electron-Vibration Interactions in the Radical Cations of Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 5557-5566 | 2.8 | 33 |