

# Yuko Ueno

## List of Publications by Citations

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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	THz Chemical Imaging for Biological Applications. <i>IEEE Transactions on Terahertz Science and Technology</i> , <b>2011</b> , 1, 293-300	3.4	103
86	Quantitative measurements of amino acids by terahertz time-domain transmission spectroscopy. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 5424-8	7.8	98
85	Application of a cubic-like mesoporous silica film to a surface photovoltage gas sensing system. <i>Microporous and Mesoporous Materials</i> , <b>2002</b> , 54, 269-276	5.3	64
84	Microfluidic device for airborne BTEX detection. <i>Analytical Chemistry</i> , <b>2001</b> , 73, 4688-93	7.8	59
83	Analytical terahertz spectroscopy. <i>Analytical Sciences</i> , <b>2008</b> , 24, 185-92	1.7	58
82	Terahertz-wave generation from quasi-phase-matched GaP for 1.55 $\mu$ m pumping. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 071118	3.4	58
81	Angle-dependent terahertz time-domain spectroscopy of amino acid single crystals. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 21259-63	3.4	54
80	Chemical mapping of pharmaceutical cocrystals using terahertz spectroscopic imaging. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 1980-4	7.8	49
79	Infrared spectroscopic investigation of higher diamondoids. <i>Journal of Molecular Spectroscopy</i> , <b>2006</b> , 238, 158-167	1.3	39
78	Effects of long-term heat-light soaking on Cu(In,Ga)Se <sub>2</sub> solar cells with KF postdeposition treatment. <i>Applied Physics Express</i> , <b>2017</b> , 10, 092301	2.4	37
77	High benzene selectivity of uniform sub-nanometre pores of self-ordered mesoporous silicate. <i>Chemical Communications</i> , <b>2004</b> , 746-7	5.8	37
76	On-chip graphene oxide aptasensor for multiple protein detection. <i>Analytica Chimica Acta</i> , <b>2015</b> , 866, 1-9	6.6	36
75	Extremely intense Raman signals from single-walled carbon nanotubes suspended between Si nanopillars. <i>Chemical Physics Letters</i> , <b>2004</b> , 386, 153-157	2.5	34
74	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> , <b>2009</b> , 10, 3044-64	6.3	33
73	Separate detection of BTX mixture gas by a microfluidic device using a function of nanosized pores of mesoporous silica adsorbent. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 5257-62	7.8	33
72	Infrared Intensity-Carrying Modes and Electron-Vibration Interactions in the Radical Cations of Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 5557-5566	2.8	33
71	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> , <b>2002</b> , 14, 4796-4799	9.6	29

70	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> , <b>2010</b> , 45, 4788-96	6.3	28
69	Molecular design for enhanced sensitivity of a FRET aptasensor built on the graphene oxide surface. <i>Chemical Communications</i> , <b>2013</b> , 49, 10346-8	5.8	27
68	Air-cooled cold trap channel integrated in a microfluidic device for monitoring airborne BTEX with an improved detection limit. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 1712-7	7.8	27
67	Protein recognition on a single graphene oxide surface fixed on a solid support. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 1119-1124	7.3	26
66	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> , <b>2009</b> , 19, 4159-66	2.9	26
65	Portable automatic BTX measurement system with microfluidic device using mesoporous silicate adsorbent with nano-sized pores. <i>Sensors and Actuators B: Chemical</i> , <b>2003</b> , 95, 282-286	8.5	25
64	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> , <b>2010</b> , 20, 341-5	2.9	23
63	Graphene FRET Aptasensor. <i>ACS Sensors</i> , <b>2016</b> , 1, 710-716	9.2	23
62	Graphene-modified interdigitated array electrode: fabrication, characterization, and electrochemical immunoassay application. <i>Analytical Sciences</i> , <b>2013</b> , 29, 55-60	1.7	22
61	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> , <b>2010</b> , 20, 746-54	2.9	22
60	Soft X-ray emission and absorption spectra in the C K region of sputtered amorphous carbon films. <i>Carbon</i> , <b>2001</b> , 39, 1403-1407	10.4	21
59	Quantitative analysis of amino acids in dietary supplements using terahertz time-domain spectroscopy. <i>Analytical Sciences</i> , <b>2011</b> , 27, 351	1.7	20
58	Characterization of carbon nanotubes suspended between nanostructures using micro-Raman spectroscopy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2004</b> , 24, 26-31	3	20
57	Platinum Surface Modification of SBA-15 by $\gamma$ Radiation Treatment. <i>Advanced Materials</i> , <b>2003</b> , 15, 511-513	1.4	19
56	Terahertz Spectroscopic Imaging of Polymorphic Forms in Pharmaceutical Crystals. <i>Molecular Crystals and Liquid Crystals</i> , <b>2011</b> , 538, 33-38	0.5	18
55	Terahertz time-domain spectra of aromatic carboxylic acids incorporated in nano-sized pores of mesoporous silicate. <i>Analytical Sciences</i> , <b>2007</b> , 23, 803-7	1.7	18
54	High benzene selectivity of mesoporous silicate for BTX gas sensing microfluidic devices. <i>Analytical and Bioanalytical Chemistry</i> , <b>2005</b> , 382, 804-9	4.4	17
53	Terahertz notch filter using intermolecular hydrogen bonds in a sucrose crystal. <i>Optics Express</i> , <b>2006</b> , 14, 5765-72	3.3	15

52	Nondestructive Multicomponent Terahertz Chemical Imaging of Medicine in Tablets. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, B171-B175	3.9	14
51	On-chip FRET Graphene Oxide Aptasensor: Quantitative Evaluation of Enhanced Sensitivity by Aptamer with a Double-stranded DNA Spacer. <i>Analytical Sciences</i> , <b>2015</b> , 31, 875-9	1.7	14
50	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> , <b>2013</b> , 276, 217-222	6.7	14
49	Control of composition and crystallinity in hydroxyapatite films deposited by electron cyclotron resonance plasma sputtering. <i>Journal of Physics and Chemistry of Solids</i> , <b>2014</b> , 75, 94-99	3.9	13
48	Vibrational spectra and electron-vibration interactions of the naphthalene radical anion ? Experimental and theoretical study. <i>Canadian Journal of Chemistry</i> , <b>2004</b> , 82, 951-963	0.9	13
47	Cell Assembly in Self-foldable Multi-layered Soft Micro-rolls. <i>Scientific Reports</i> , <b>2017</b> , 7, 17376	4.9	12
46	Quantitative Mapping of Pharmaceutical Cocrystals Within Cellulose by Terahertz Spectroscopy. <i>Journal of Lightwave Technology</i> , <b>2014</b> , 32, 3768-3773	4	12
45	Terahertz Time-domain Spectra of Inter- and Intramolecular Hydrogen Bonds of Fumaric and Maleic Acids. <i>Chemistry Letters</i> , <b>2006</b> , 35, 1128-1129	1.7	12
44	Self-propelled ion gel at air-water interface. <i>Scientific Reports</i> , <b>2017</b> , 7, 9323	4.9	11
43	Improved efficiency of Cu(In,Ga)Se <sub>2</sub> mini-module via high-mobility In <sub>2</sub> O <sub>3</sub> :W,H transparent conducting oxide layer. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2019</b> , 27, 491-500	6.8	11
42	Detecting a sodium chloride ion pair in ice using terahertz time-domain spectroscopy. <i>Analytical Sciences</i> , <b>2007</b> , 23, 917-20	1.7	11
41	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> , <b>2000</b> , 77, 2653-2655	3.4	10
40	Relaxation of Plasma Carriers in Graphene: An Approach by Frequency-Dependent Optical Conductivity Measurement. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1701402	8.1	9
39	Dynamic Creation of 3D Hydrogel Architectures via Selective Swelling Programmed by Interfacial Bonding. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 28267-28277	9.5	9
38	Effect of the calcination temperature of self-ordered mesoporous silicate on its adsorption characteristics for aromatic hydrocarbons. <i>New Journal of Chemistry</i> , <b>2005</b> , 29, 504	3.6	9
37	Self-Folded Three-Dimensional Graphene with a Tunable Shape and Conductivity. <i>Nano Letters</i> , <b>2019</b> , 19, 461-470	11.5	9
36	Capturing the Freeze-Drying Dynamics of NaCl Nanoparticles Using THz Spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13793-13797	16.4	9
35	Impact of front contact layers on performance of Cu(In,Ga)Se <sub>2</sub> solar cells in relaxed and metastable states. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2018</b> , 26, 789-799	6.8	8

34	Distinct crystallinity and orientations of hydroxyapatite thin films deposited on C- and A-plane sapphire substrates. <i>Journal of Crystal Growth</i> , <b>2014</b> , 404, 241-245	1.6	7
33	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> , <b>2015</b> , 266, 42-48	4.4	7
32	Soft X-ray emission and absorption spectroscopy of hydrofullerene. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2000</b> , 107, 177-184	1.7	7
31	Configurations of Benzene and Pyridine Molecules Adsorbed on Graphitic Surface of Microporous Carbon. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 7154-7162	3.4	7
30	Isothermic determination of aqueous solution glucose concentration in low mg/dL range by CW-photoacoustic-based protocol. <i>Sensors and Actuators B: Chemical</i> , <b>2013</b> , 185, 568-574	8.5	6
29	Graphene-based neuron encapsulation with controlled axonal outgrowth. <i>Nanoscale</i> , <b>2019</b> , 11, 13249-13259		5
28	Direct observation of benzene and pyridine molecules adsorbed in microporous carbon using synchrotron-radiation-excited soft X-ray emission spectroscopy. <i>Carbon</i> , <b>2000</b> , 38, 1939-1942	10.4	5
27	Air-band optical resonators in one-dimensional Si photonic crystal waveguides for biosensing applications. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 04EG09	1.4	4
26	Terahertz Chemical Imaging of Molecular Networks for Pharmaceutical Applications. <i>ECS Transactions</i> , <b>2011</b> , 35, 157-165	1	4
25	Terahertz Images of Biological Molecules: Frequency Dependence of Spatial Resolution Using a Tunable Terahertz Laser Source. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 1315-1320	1.4	4
24	A Simple Method for Fabrication of Mesoporous Films Using a Rapid Heating Process. <i>Chemistry Letters</i> , <b>2005</b> , 34, 328-329	1.7	4
23	Current status of transparent conducting oxide layers with high electron mobility and their application in Cu(In,Ga)Se <sub>2</sub> mini-modules. <i>Thin Solid Films</i> , <b>2019</b> , 673, 26-33	2.2	3
22	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> , <b>2007</b> , 204, 1221-1226	1.6	3
21	Study of reactor-NO <sub>2</sub> -gas diffusion in a porous glass chip by near-infrared Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 2341-2345	3.6	3
20	Graphene-Based FRET Aptasensors. <i>Analytical Sciences</i> , <b>2021</b> , 37, 439-446	1.7	3
19	Raman Spectroscopy of Pharmaceutical Cocrystals in Nanosized Pores of Mesoporous Silica. <i>Analytical Sciences</i> , <b>2017</b> , 33, 47-52	1.7	2
18	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> , <b>2001</b> , 114-116, 301-305	1.7	2
17	Experimental technique for radiative-process-resolved X-ray absorption spectroscopy at the inner-shell excitation thresholds. <i>Journal of Synchrotron Radiation</i> , <b>2001</b> , 8, 369-71	2.4	2

16	Soft X-ray emission and absorption spectra in the O K region of oxygen incorporated in microporous carbon. <i>Carbon</i> , <b>2001</b> , 39, 1399-1402	10.4	2
15	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> , <b>2001</b> , 55, 1151-1154	3.1	2
14	Tough, permeable and biocompatible microfluidic devices formed through the buckling delamination of soft hydrogel films. <i>Lab on A Chip</i> , <b>2021</b> , 21, 1307-1317	7.2	2
13	Control of surface wettability of hydroxyapatite thin films by way of crystal imperfections. <i>Applied Physics Express</i> , <b>2015</b> , 8, 107001	2.4	1
12	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> , <b>2013</b> , 52, 096602	1.4	1
11	Towards non-invasive and continuous monitoring of blood glucose level based on CW photoacoustics: New concept for selective and sensitive measurements of aqueous glucose <b>2011</b> ,		1
10	Dynamic range criterion of THz spectrum for amino acids measurements. <i>Frontiers of Optoelectronics in China</i> , <b>2009</b> , 2, 239-243		1
9	?????????????????????. <i>Journal of the Spectroscopical Society of Japan</i> , <b>2007</b> , 56, 15-16		1
8	Micro-Fluidic Device for Detection and Identification of Aromatic VOC by Optical Method <b>2001</b> , 527-528		1
7	Near-Infrared Photoluminescence Spectral Imaging of Chemically Oxidized Graphene Flakes. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2012</b> , 10, 513-517	0.7	1
6	Mesoporous Silica. <i>Analytical Sciences</i> , <b>2019</b> , 35, 121-122	1.7	
5	Development of portable immunoassay device for future Internet of Things applications <b>2019</b> , 87-103		
4	Molecular Recognition of Low Molecular Weight Organic Compounds in Mesoporous Silica and Their Applications to Microscale Analytical System. <i>Bunseki Kagaku</i> , <b>2008</b> , 57, 871-881	0.2	
3	?????????????????????. <i>Electrochemistry</i> , <b>2006</b> , 74, 506-511	1.2	
2	Portable System for Selective Detection of Aromatic VOC Mixture-Gases Using a Microfluidic Device <b>2002</b> , 536-538		
1	On-Chip FRET Graphene Aptasensor. <i>International Journal of Automation Technology</i> , <b>2018</b> , 12, 37-44	0.8	