

Kei Murakoshi

List of Publications by Year in descending order

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263
papers

10,659
citations

50276

46
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36028

97
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272
all docs

272
docs citations

272
times ranked

11745
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Temperature Annealing of Plasmonic Metal Arrays for Improved Light Confinement. Journal of Physical Chemistry C, 2022, 126, 1188-1195.	3.1	1
2	Room-Temperature Molecular Manipulation via Plasmonic Trapping at Electrified Interfaces. Journal of the American Chemical Society, 2022, 144, 2755-2764.	13.7	12
3	Unique Electronic Excitations at Highly Localized Plasmonic Field. Accounts of Chemical Research, 2022, 55, 809-818.	15.6	6
4	Generation of Ultralong Liposome Tubes by Membrane Fusion beneath a Laser-Induced Microbubble on Gold Surfaces. ACS Omega, 2022, 7, 13120-13127.	3.5	0
5	Rapid detection of donor-dependent photocatalytic hydrogen evolution by NMR spectroscopy. RSC Advances, 2022, 12, 12967-12970.	3.6	0
6	Raman spectroscopy as a probe for the electronic structure of graphene at electrified interfaces. Current Opinion in Electrochemistry, 2022, 35, 101066.	4.8	5
7	Highly Localized Photoelectrochemical Reactions at Nanostructured Interfaces. Denki Kagaku, 2022, 90, 122-128.	0.0	0
8	Inherent Promotion of Ionic Conductivity via Collective Vibrational Strong Coupling of Water with the Vacuum Electromagnetic Field. Journal of the American Chemical Society, 2022, 144, 12177-12183.	13.7	21
9	(Invited) Room-Temperature Molecule Trapping at Plasmonic Metal Nanostructures. ECS Meeting Abstracts, 2022, MA2022-01, 800-800.	0.0	0
10	Ni-Catalyzed Plasmonic Oxygen Evolution at Near-Neutral Conditions. ECS Meeting Abstracts, 2022, MA2022-01, 927-927.	0.0	0
11	Surface-enhanced Raman scattering probe for molecules strongly coupled with localized surface plasmon under electrochemical potential control. Journal of Raman Spectroscopy, 2021, 52, 431-438.	2.5	9
12	Spatial distribution of active sites for plasmon-induced chemical reactions triggered by well-defined plasmon modes. Nanoscale, 2021, 13, 1784-1790.	5.6	4
13	Tuning Electrogenerated Chemiluminescence Intensity Enhancement Using Hexagonal Lattice Arrays of Gold Nanodisks. Journal of Physical Chemistry Letters, 2021, 12, 2516-2522.	4.6	10
14	Electrochemical Control of Dye Molecule Excitation Strongly Coupled with Plasmonic Surface Lattice Resonance. ECS Meeting Abstracts, 2021, MA2021-01, 711-711.	0.0	0
15	Visible Light Driven Hydrogen Evolution Reactions on Plasmonic Cathode. ECS Meeting Abstracts, 2021, MA2021-01, 713-713.	0.0	0
16	Theoretical Study on Proton Permeation Ability of Modified Single-layer Graphene. Chemistry Letters, 2021, 50, 1604-1606.	1.3	1
17	In Situ Monitoring of Electronic Structure in a Modal Strong Coupling Electrode under Enhanced Plasmonic Water Oxidation. Journal of Physical Chemistry C, 2021, 125, 1754-1760.	3.1	5
18	Precise Control of Nanoscale Interface for Efficient Electrochemical Reactions. Electrochemistry, 2021, , .	1.4	2

#	ARTICLE	IF	CITATIONS
19	Vibrational Coupling of Water from Weak to Ultrastrong Coupling Regime via Cavity Mode Tuning. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25832-25840.	3.1	12
20	Plasmon-Accelerated Water Oxidation at Ni-Modified Au Nanodimers on TiO ₂ Single Crystals. <i>ACS Energy Letters</i> , 2021, 6, 4374-4382.	17.4	14
21	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020, 14, 28-117.	14.6	2,153
22	Thermo-Plasmonic Trapping of Living Cyanobacteria on a Gold Nanopyramidal Dimer Array: Implications for Plasmonic Biochips. <i>ACS Applied Nano Materials</i> , 2020, 3, 10067-10072.	5.0	10
23	Surface-enhanced Raman scattering as a probe for exotic electronic excitations induced by localized surface plasmons. <i>Current Opinion in Electrochemistry</i> , 2020, 22, 186-194.	4.8	10
24	Plasmon-induced Hydrogen Evolution Reaction on p-Type Semiconductor Electrode with Ag Nanodimer Structures. <i>Chemistry Letters</i> , 2020, 49, 806-808.	1.3	7
25	Active Intermediates in Plasmon-Induced Water Oxidation at Au Nanodimer Structures on a Single Crystal of TiO ₂ . <i>ACS Energy Letters</i> , 2020, 5, 1252-1259.	17.4	28
26	Interfacial Structure-Modulated Plasmon-Induced Water Oxidation on Strontium Titanate. <i>ACS Applied Energy Materials</i> , 2020, 3, 5675-5683.	5.1	15
27	Plasmonic Manipulation of DNA using a Combination of Optical and Thermophoretic Forces: Separation of Different-Sized DNA from Mixture Solution. <i>Scientific Reports</i> , 2020, 10, 3349.	3.3	29
28	Ultra-fine electrochemical tuning of hybridized plasmon modes for ultimate light confinement. <i>Nanoscale</i> , 2020, 12, 11593-11600.	5.6	3
29	Potential energy shift of the Fermi level at plasmonic structures for light-energy conversion determined by graphene-based Raman measurements. <i>Journal of Chemical Physics</i> , 2020, 152, 124702.	3.0	6
30	(Invited) Exotic Electronic Excitation to Manipulate Electrochemical Potential of Electrons and Holes at Liquid/Solid Interfaces. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 898-898.	0.0	0
31	Plasmonic Hydrogen Evolution Reactions Driven By Visible Light Illumination at p-Type Semiconductor Electrodes. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 1738-1738.	0.0	0
32	Molecular manipulation by plasmon induced optical force at solid-liquid interface under ambient condition. , 2020, , .		0
33	Isotopic hydrogen evolution reaction by plasmonic electrochemistry. , 2020, , .		0
34	Visualization of molecular trapping at plasmonic metal nanostructure by surface-enhanced Raman scattering imaging. <i>Journal of Nanophotonics</i> , 2020, 14, 1.	1.0	0
35	Strong Coupling State on Plasmonic Lattice Structures Under Electrochemical Potential Control. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 2078-2078.	0.0	0
36	(Invited) Extended Electrochemical Potential Range Induced By Plasmonic Electronic Excitation. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 3102-3102.	0.0	0

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37	Plasmonic Hydrogen Evolution at p-Type Semiconductor Electrode. ECS Meeting Abstracts, 2020, MA2020-02, 3107-3107.	0.0	0
38	Photoelectrochemical Formation of Polysulfide at PbS QD-Sensitized Plasmonic Electrodes. Journal of Physical Chemistry Letters, 2019, 10, 5357-5363.	4.6	5
39	Modulation of Graphene/Au(111) Interaction by Electrocatalytic Hydrogen Evolution Reaction. Journal of Physics: Conference Series, 2019, 1220, 012016.	0.4	2
40	Determination of Molecular Orientation in Bi-analyte Mono-molecule Layer through Electrochemical Surface-enhanced Raman Scattering Measurements. Chemistry Letters, 2019, 48, 820-823.	1.3	9
41	In Situ Observation of Unique Bi-analyte Molecular Behaviors at the Gap of a Single Metal Nanodimer Structure via Electrochemical Surface-Enhanced Raman Scattering Measurements. Journal of Physical Chemistry C, 2019, 123, 24740-24745.	3.1	10
42	Nonzero Wavevector Excitation of Graphene by Localized Surface Plasmons. Nano Letters, 2019, 19, 7887-7894.	9.1	19
43	Revealing High Oxygen Evolution Catalytic Activity of Fluorine-Doped Carbon in Alkaline Media. Materials, 2019, 12, 211.	2.9	7
44	Molecularly defined graphitic interface toward proton manipulation. Current Opinion in Electrochemistry, 2019, 17, 158-166.	4.8	2
45	Plasmon-induced metal restructuring and graphene oxidation monitored by surface-enhanced Raman spectroscopy. Applied Materials Today, 2019, 15, 372-376.	4.3	11
46	In-situ observation of isotopic hydrogen evolution reactions using electrochemical mass spectroscopy to evaluate surface morphological effect. Electrochimica Acta, 2019, 304, 87-93.	5.2	12
47	Hydrogen Evolution Reaction Catalyzed By Plasmonic Photo-Electrodes Under Visible Light Illumination. ECS Meeting Abstracts, 2019, , .	0.0	0
48	(Invited) Exotic Electronic Excitation of a Single-Layer Graphene By Surface Localized Plasmons Under Electrochemical Potential Control. ECS Meeting Abstracts, 2019, , .	0.0	0
49	Electrochemical Investigation of Graphene Compositated Plasmonic Photo Conversion Electrode. ECS Meeting Abstracts, 2019, , .	0.0	0
50	Sensitive Raman Probe of Electronic Interactions between Monolayer Graphene and Substrate under Electrochemical Potential Control. ACS Omega, 2018, 3, 2322-2328.	3.5	16
51	Advantage of semi-ionic bonding in fluorine-doped carbon materials for the oxygen evolution reaction in alkaline media. RSC Advances, 2018, 8, 14152-14156.	3.6	44
52	Nanoscale control of plasmon-active metal nanodimer structures via electrochemical metal dissolution reaction. Nanotechnology, 2018, 29, 045702.	2.6	10
53	Active Tuning of Strong Coupling States between Dye Excitons and Localized Surface Plasmons via Electrochemical Potential Control. ACS Photonics, 2018, 5, 788-796.	6.6	43
54	Electrochemical Fine Tuning of the Plasmonic Properties of Au Lattice Structures. Journal of Physical Chemistry C, 2018, 122, 14162-14167.	3.1	17

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55	Plasmonically enhanced electromotive force of narrow bandgap PbS QD-based photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14818-14827.	2.8	9
56	Electrochemical surface-enhanced Raman scattering measurement on ligand capped PbS quantum dots at gap of Au nanodimer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 197, 244-250.	3.9	8
57	Thermal Effect on Plasmon-induced Electron Transfer System under Intense Pulsed Laser Illumination. <i>Chemistry Letters</i> , 2018, 47, 953-955.	1.3	2
58	Electrochemical Control of Plasmonic Metal Nanogap for Ultra-Small Light Confinement. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
59	Electrochemical control of ultra-small gap distance at metal nanodimer creating highly localized plasmonic field. , 2018, , .		0
60	In-situ observation of molecules in the strong coupling states. , 2018, , .		0
61	Thermophoresis-assisted optical trapping of pyrene-labeled hydrophilic polymer chains. , 2018, , .		0
62	In-situ SERS observation of selective molecule optical trapping. , 2018, , .		0
63	Electrochemical control of strong coupling states between localized surface plasmons and molecule excitons for Raman enhancement. <i>Faraday Discussions</i> , 2017, 205, 261-269.	3.2	13
64	In-situ electrochemical surface-enhanced Raman scattering observation of molecules accelerating the hydrogen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2017, 800, 7-12.	3.8	15
65	Reversible Electrochemical Tuning of Optical Property of Single Au Nano-bridged Structure via Electrochemical under Potential Deposition. <i>Chemistry Letters</i> , 2017, 46, 1148-1150.	1.3	12
66	Thermo-plasmonic manipulation of living cyanobacteria on a gold nanostructure. , 2017, , .		1
67	Highly Sensitive Detection of Organic Molecules on the Basis of a Poly(<i>N</i> -isopropylacrylamide) Microassembly Formed by Plasmonic Optical Trapping. <i>Analytical Chemistry</i> , 2017, 89, 532-537.	6.5	29
68	Plasmon-Induced Selective Oxidation Reaction at Single-Walled Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38992-38998.	8.0	4
69	Plasmonic Fields Focused to Molecular Size. <i>ChemNanoMat</i> , 2017, 3, 843-856.	2.8	9
70	Ultrasensitive and towards single molecule SERS: general discussion. <i>Faraday Discussions</i> , 2017, 205, 291-330.	3.2	11
71	Analytical SERS: general discussion. <i>Faraday Discussions</i> , 2017, 205, 561-600.	3.2	14
72	Out-of-Plane Strain Induced in a Moiré Superstructure of Monolayer MoS ₂ and MoSe ₂ on Au(111). <i>Small</i> , 2017, 13, 1700748.	10.0	26

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73	Plasmonic optical trapping of nanometer-sized J-/H- dye aggregates as explored by fluorescence microspectroscopy. <i>Optics Express</i> , 2017, 25, 13617.	3.4	15
74	Plasmon active site for nanosized polymerization. , 2017, , .		0
75	Iron- ²⁺ Nitrogen-Doped Vertically Aligned Carbon Nanotube Electrocatalyst for the Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2016, 26, 738-744.	14.9	218
76	Surface-Enhanced Raman Spectroscopy for the Characterization of Semiconductor Nanostructure Surfaces. <i>ACS Symposium Series</i> , 2016, , 163-180.	0.5	2
77	Visualization of Active Sites for Plasmon-Induced Electron Transfer Reactions Using Photoelectrochemical Polymerization of Pyrrole. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16051-16058.	3.1	63
78	Single-site surface-enhanced Raman scattering beyond spectroscopy. <i>Frontiers of Physics</i> , 2016, 11, 1.	5.0	8
79	Preface to the Kohei Uosaki Festschrift: Electrochemistry of Ordered Interfaces- ²⁺ Design, Construction, and Interrogation of Functional Electrochemical Interphases with Atomic/Molecular Resolution. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15527-15529.	3.1	2
80	Photoelectrochemical Behavior of Homo- and Heterodimers of Metalloporphyrins. <i>Chemistry Letters</i> , 2016, 45, 125-127.	1.3	3
81	Electronic structure characterization of an individual single-walled carbon nanotube by in situ electrochemical surface-enhanced Raman scattering spectroscopy. <i>Nanoscale</i> , 2016, 8, 19093-19098.	5.6	6
82	Kinetic Behavior of Catalytic Active Sites Connected with a Conducting Surface through Various Electronic Coupling. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2159-2165.	3.1	11
83	Plasmon-enhanced light energy conversion using gold nanostructured oxide semiconductor photoelectrodes. <i>Pure and Applied Chemistry</i> , 2015, 87, 547-555.	1.9	2
84	Selective Synthesis of Graphitic Carbon and Polyacetylene by Electrochemical Reduction of Halogenated Carbons in Ionic Liquid at Room Temperature. <i>Electrochimica Acta</i> , 2015, 176, 388-393.	5.2	3
85	Electrochemical Potential Stabilization of Reconstructed Au(111) Structure by Monolayer Coverage with Graphene. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3403-3409.	4.6	21
86	Synthesis and Characterization of Carbon Nanotube. <i>World Scientific Series on Carbon Nanoscience</i> , 2015, , 51-88.	0.1	0
87	Plasmonic Enhancement of Photoenergy Conversion in the Visible Light Region Using PbS Quantum Dots Coupled with Au Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22092-22101.	3.1	19
88	Hydrogen-Induced Tuning of Plasmon Resonance in Palladium-Silver Layered Nanodimer Arrays. <i>ACS Photonics</i> , 2015, 2, 66-72.	6.6	13
89	Raman Enhancement via Polariton States Produced by Strong Coupling between a Localized Surface Plasmon and Dye Excitons at Metal Nanogaps. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 14-19.	4.6	69
90	Control of a two-dimensional molecular structure by cooperative halogen and hydrogen bonds. <i>RSC Advances</i> , 2014, 4, 58567-58572.	3.6	30

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91	Effective Brownian Ratchet Separation by a Combination of Molecular Filtering and a Self-Spreading Lipid Bilayer System. <i>Langmuir</i> , 2014, 30, 7496-7501.	3.5	9
92	Plasmon-Assisted Water Splitting Using Two Sides of the Same SrTiO ₃ Single-Crystal Substrate: Conversion of Visible Light to Chemical Energy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10350-10354.	13.8	119
93	Molecule Manipulation at Electrified Interfaces using Metal Nanogates. <i>Electrochemistry</i> , 2014, 82, 712-719.	1.4	2
94	Expandability of Ultralong C-C Bonds: Largely Different C1-C2 Bond Lengths Determined by Low-temperature X-ray Structural Analyses on Pseudopolymorphs of 1,1-Bis(4-fluorophenyl)-2,2-bis(4-methoxyphenyl)pyracene. <i>Chemistry Letters</i> , 2014, 43, 86-88.	1.3	19
95	Plasmonically Nanoconfined Light Probing Invisible Phonon Modes in Defect-Free Graphene. <i>Journal of the American Chemical Society</i> , 2013, 135, 11489-11492.	13.7	27
96	Selective nitrogen doping in graphene for oxygen reduction reactions. <i>Chemical Communications</i> , 2013, 49, 9627.	4.1	175
97	Toward Nanostructure-Enhanced Photoenergy Conversion in the Plasmonic Chemical Reaction Field. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2433-2434.	3.1	2
98	Single-molecule observations for determining the orientation and diffusivity of dye molecules in lipid bilayers. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12895.	2.8	9
99	Permanent Fixing or Reversible Trapping and Release of DNA Micropatterns on a Gold Nanostructure Using Continuous-Wave or Femtosecond-Pulsed Near-Infrared Laser Light. <i>Journal of the American Chemical Society</i> , 2013, 135, 6643-6648.	13.7	93
100	Local thermal elevation probing of metal nanostructures during laser illumination utilizing surface-enhanced Raman scattering from a single-walled carbon nanotube. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4270.	2.8	23
101	Selection-rule breakdown in plasmon-induced electronic excitation of an isolated single-walled carbon nanotube. <i>Nature Photonics</i> , 2013, 7, 550-554.	31.4	143
102	Surface optimization of optical antennas for plasmonic enhancement of photoelectrochemical reactions. <i>Electrochimica Acta</i> , 2013, 112, 864-868.	5.2	5
103	Single Molecule Dynamics at a Mechanically Controllable Break Junction in Solution at Room Temperature. <i>Journal of the American Chemical Society</i> , 2013, 135, 1009-1014.	13.7	138
104	Observation of Defocus Images of a Single Metal Nanorod. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2535-2540.	3.1	17
105	Reversible Photoinduced Formation and Manipulation of a Two-Dimensional Closely Packed Assembly of Polystyrene Nanospheres on a Metallic Nanostructure. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2500-2506.	3.1	71
106	Metal atomic contact under electrochemical potential control. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 164212.	1.8	4
107	Electric-field-assisted Control of Lipid Bilayer Stacking Structure. <i>Chemistry Letters</i> , 2012, 41, 1306-1307.	1.3	1
108	Near-Infrared Plasmon-Assisted Water Oxidation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1248-1252.	4.6	183

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109	Metallic-Nanostructure-Enhanced Optical Trapping of Flexible Polymer Chains in Aqueous Solution As Revealed by Confocal Fluorescence Microspectroscopy. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14610-14618.	3.1	54
110	Plasmon-Based Optical Trapping of Polymer Nano-Spheres as Explored by Confocal Fluorescence Microspectroscopy: A Possible Mechanism of a Resonant Excitation Effect. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 092001.	1.5	16
111	Characterization of Isolated Individual Single-Walled Carbon Nanotube by Electrochemical Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 08KB06.	1.5	2
112	Dynamics of Gold Nanoparticle Assembly and Disassembly Induced by pH Oscillations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6153-6158.	3.1	37
113	Enhanced Brownian Ratchet Molecular Separation Using a Self-Spreading Lipid Bilayer. <i>Langmuir</i> , 2012, 28, 6656-6661.	3.5	17
114	Synthesis of Nanometer Size Single Layer Graphene by Moderate Electrochemical Exfoliation. <i>Transactions of the Materials Research Society of Japan</i> , 2012, 37, 209-212.	0.2	2
115	Room-temperature synthesis of single-wall carbon nanotubes by an electrochemical process. <i>Carbon</i> , 2012, 50, 4184-4191.	10.3	11
116	Enhanced Molecular Filtering at Nano-channel by using Self-spreading Lipid Bilayer as Molecular Transport and Filtering Medium. <i>Transactions of the Materials Research Society of Japan</i> , 2012, 37, 201-204.	0.2	2
117	Characterization of Isolated Individual Single-Walled Carbon Nanotube by Electrochemical Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 08KB06.	1.5	2
118	Plasmon-Based Optical Trapping of Polymer Nano-Spheres as Explored by Confocal Fluorescence Microspectroscopy: A Possible Mechanism of a Resonant Excitation Effect. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 092001.	1.5	15
119	Control of dynamics and molecular distribution in a self-spreading lipid bilayer using surface-modified metal nanoarchitectures. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5561.	2.8	4
120	Polarization characteristics of surface-enhanced Raman scattering from a small number of molecules at the gap of a metal nano-dimer. <i>Chemical Communications</i> , 2011, 47, 4514.	4.1	39
121	é†â±žăfŠăfŽă, ©ăf ĩăf făf—ăăăăăă,ăă°ă°ă^†ăă@ăăçš,,ăăCE™ăăè©ăă¼†. Hyomen Gijutsu/Journal of the Surface Finishing Society of		
122	Inhomogeneous Molecular Distribution in Self-Spreading Lipid Bilayers at the Solid/Liquid Interface. <i>Current Drug Discovery Technologies</i> , 2011, 8, 301-307.	1.2	1
123	Phosphine Sulfides as an Anchor Unit for Single Molecule Junctions. <i>Chemistry Letters</i> , 2011, 40, 174-176.	1.3	29
124	Detection of adsorption sites at the gap of a hetero-metal nano-dimer at the single molecule level. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 221, 169-174.	3.9	21
125	Acceleration of a photochromic ring-opening reaction of diarylethene derivatives by excitation of localized surface plasmon. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 221, 250-255.	3.9	18
126	Plasmon-Assisted Photocurrent Generation from Visible to Near-Infrared Wavelength Using a Au-Nanorods/TiO ₂ Electrode. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2031-2036.	4.6	425

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127	Conductance of single benzenediamine molecule bridging between Au electrodes. Transactions of the Materials Research Society of Japan, 2010, 35, 275-278.	0.2	0
128	Characteristic Surface-enhanced Raman Scattering from a Small Number of Molecules in an Anisotropic Electromagnetic Field at Metal Nano-gap. Transactions of the Materials Research Society of Japan, 2010, 35, 279-282.	0.2	5
129	Local Spectroscopic Analysis of an Isolated Single-Walled Carbon Nanotube Utilizing Electromagnetic Field Induced by Local Surface Plasmon. Hyomen Kagaku, 2010, 31, 531-536.	0.0	0
130	Formation of a Pd atomic chain in a hydrogen atmosphere. Physical Review B, 2010, 81, .	3.2	25
131	Atomic motion in H_2 junctions induced by phonon excitation. Physical Review B, 2010, 81, .	3.2	23
132	Electrical conductance of Rh atomic contacts under electrochemical potential control. Physical Review B, 2010, 81, .	3.2	7
133	Toward Plasmon-Induced Photoexcitation of Molecules. Journal of Physical Chemistry Letters, 2010, 1, 2470-2487.	4.6	99
134	Optical Trapping of Quantum Dots Based on Gap-Mode-Excitation of Localized Surface Plasmon. Journal of Physical Chemistry Letters, 2010, 1, 2327-2333.	4.6	122
135	Force applied to a single molecule at a single nanogate molecule filter. Nanoscale, 2010, 2, 2591.	5.6	7
136	Fluorescence resonant energy transfer observation of molecules at nano-gate molecular filter. Transactions of the Materials Research Society of Japan, 2010, 35, 283-286.	0.2	0
137	Electrochemistry, 2009, 77, 882-886.	1.4	1
138	Nonequilibrium Green's function study on the electronic structure and transportation behavior of the conjugated molecular junction: Terminal connections and intramolecular connections. Journal of Chemical Physics, 2009, 130, 244501.	3.0	34
139	Effect of Bending Energy on the Self-Spreading Lipid Bilayer. ECS Transactions, 2009, 19, 79-85.	0.5	0
140	Negligible diradical character for the ultralong C-C bond in 1,1,2,2-tetraarylpyracene derivatives at room temperature. Tetrahedron Letters, 2009, 50, 3693-3697.	1.4	42
141	Highly conductive single molecular junctions by direct binding of π -conjugated molecule to metal electrodes. Thin Solid Films, 2009, 518, 466-469.	1.8	18
142	Fabrication and conductance characterization of single C60 molecular junction in solutions. Chemical Physics Letters, 2009, 477, 189-193.	2.6	7
143	Theoretical Investigation on the Electron Transport Path through the Porphyrin Molecules and Chemisorption of CO. Journal of Physical Chemistry C, 2009, 113, 7416-7423.	3.1	42
144	Preface to the Hiroshi Masuhara Festschrift: Exploration with Lasers into New Areas of Molecular Photoscience. Journal of Physical Chemistry C, 2009, 113, 11425-11427.	3.1	1

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145	Segregation of Molecules in Lipid Bilayer Spreading through Metal Nanogates. <i>Analytical Chemistry</i> , 2009, 81, 699-704.	6.5	28
146	Effect of End Group Position on the Formation of a Single Porphyrin Molecular Junction. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9014-9017.	3.1	35
147	Theoretical investigation on the influence of temperature and crystallographic orientation on the breaking behavior of copper nanowire. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6514.	2.8	42
148	Enhanced Emission from Photoactivated Silver Clusters Coupled with Localized Surface Plasmon Resonance. <i>Journal of Physical Chemistry C</i> , 2009, 113, 11751-11755.	3.1	16
149	2P-175 Control of self-spreading dynamics of lipid bilayer toward novel molecular filtration(Biol & Tj ETQq1 1 0.784314 rgBT /Overlock 0 2009, 49, S134.	0.1	0
150	Single Molecule Tracking of Cholera-Toxin Subunit B on GM1-ganglioside Containing Lipid Bilayer. <i>E-Journal of Surface Science and Nanotechnology</i> , 2009, 7, 74-77.	0.4	5
151	Supported Lipid Bilayer. <i>Hyomen Kagaku</i> , 2009, 30, 207-218.	0.0	1
152	Single Molecule Observation in Lipid Bilayer at Confined Space. <i>Seibutsu Butsuri</i> , 2009, 49, 094-097.	0.1	0
153	Characterization of the Au Atomic Contact in a Hydrogen Environment Using Vibration Spectroscopy of a Single Molecular Junction. <i>E-Journal of Surface Science and Nanotechnology</i> , 2009, 7, 53-56.	0.4	0
154	Molecular separation in the lipid bilayer medium: electrophoretic and self-spreading approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2497-2506.	3.7	15
155	Stable iron-group metal nano contact showing quantized conductance in solution. <i>Surface Science</i> , 2008, 602, 2333-2336.	1.9	12
156	Tuning the dynamics and molecular distribution of the self-spreading lipid bilayer. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2243.	2.8	29
157	Conductance of Single 1,4-Benzenediamine Molecule Bridging between Au and Pt Electrodes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13349-13352.	3.1	63
158	Conductance of Single C ₆₀ Molecule Bridging Metal Electrodes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8140-8143.	3.1	59
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