

# Kei Murakoshi

## List of PR Articles by Year in descending order

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citing authors

#	ARTICLE	IF	PR CITATIONS
1	Clarifications of Electrochemical Potential of Excited Electrons on Visible Light Response Plasmonic Cathode Electrodes. <i>Journal of Physical Chemistry C</i> , 2024, 128, 12339-12345.	3.1	0
2	Preparation of fluorine-doped $\text{Ni}$ hydroxides as alkaline water electrolysis catalysts via the liquid phase deposition method. <i>Sustainable Energy and Fuels</i> , 2024, 8, 4813-4819.	4.0	6
3	Impact of Surface Enhanced Raman Spectroscopy in Catalysis. <i>ACS Nano</i> , 2024, 18, 29337-29379.	15.3	46
4	Role of cavity strong coupling on single electron transfer reaction rate at electrode-electrolyte interface. <i>Journal of Chemical Physics</i> , 2024, 161, .	2.9	4
5	Raman Spectroscopic Observation of Electrolyte-Dependent Oxygen Evolution Reaction Intermediates in Nickel-Based Electrodes. <i>Journal of Physical Chemistry C</i> , 2024, 128, 20156-20164.	3.1	9
6	Understanding Spatial Distributions of Dye Molecules Coupled to the Surface Lattice Resonance Mode through Electrochemical Reaction Control. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 2268-2276.	4.6	2
7	Fine Tuning of Plasmonic Metal Array Structures for Effective Light Manipulation. <i>ECS Meeting Abstracts</i> , 2023, MA2023-01, 1373-1373.	0.0	0
8	Investigations of Charge Transfer Processes on Plasmonic Cathode Electrodes. <i>ECS Meeting Abstracts</i> , 2023, MA2023-01, 1390-1390.	0.0	0
9	Unlimiting ionic conduction: manipulating hydration dynamics through vibrational strong coupling of water. <i>Chemical Science</i> , 2023, 14, 11441-11446.	7.2	27
10	Low-Temperature Annealing of Plasmonic Metal Arrays for Improved Light Confinement. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1188-1195.	3.1	4
11	Room-Temperature Molecular Manipulation via Plasmonic Trapping at Electrified Interfaces. <i>Journal of the American Chemical Society</i> , 2022, 144, 2755-2764.	15.1	19
12	Unique Electronic Excitations at Highly Localized Plasmonic Field. <i>Accounts of Chemical Research</i> , 2022, 55, 809-818.	16.7	10
13	Rapid detection of donor-dependent photocatalytic hydrogen evolution by NMR spectroscopy. <i>RSC Advances</i> , 2022, 12, 12967-12970.	4.4	1
14	Raman spectroscopy as a probe for the electronic structure of graphene at electrified interfaces. <i>Current Opinion in Electrochemistry</i> , 2022, 35, 101066.	4.4	9
15	Highly Localized Photoelectrochemical Reactions at Nanostructured Interfaces. <i>Denki Kagaku</i> , 2022, 90, 122-128.	0.0	0
16	Inherent Promotion of Ionic Conductivity via Collective Vibrational Strong Coupling of Water with the Vacuum Electromagnetic Field. <i>Journal of the American Chemical Society</i> , 2022, 144, 12177-12183.	15.1	78
17	(Invited) Room-Temperature Molecule Trapping at Plasmonic Metal Nanostructures. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 800-800.	0.0	0
18	Ni-Catalyzed Plasmonic Oxygen Evolution at Near-Neutral Conditions. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 927-927.	0.0	0

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19	(Invited) Isotropic Hydrogen Evolution Reactions Induced By Plasmon Excitation. ECS Meeting Abstracts, 2022, MA2022-02, 1828-1828.	0.0	0
20	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.	1.9	10
21	Spatial distribution of active sites for plasmon-induced chemical reactions triggered by well-defined plasmon modes. Nanoscale, 2021, 13, 1784-1790.	5.0	5
22	Tuning Electrogenerated Chemiluminescence Intensity Enhancement Using Hexagonal Lattice Arrays of Gold Nanodisks. Journal of Physical Chemistry Letters, 2021, 12, 2516-2522.	4.6	12
23	Electrochemical Control of Dye Molecule Excitation Strongly Coupled with Plasmonic Surface Lattice Resonance. ECS Meeting Abstracts, 2021, MA2021-01, 711-711.	0.0	0
24	Visible Light Driven Hydrogen Evolution Reactions on Plasmonic Cathode. ECS Meeting Abstracts, 2021, MA2021-01, 713-713.	0.0	0
25	Theoretical Study on Proton Permeation Ability of Modified Single-layer Graphene. Chemistry Letters, 2021, 50, 1604-1606.	1.0	1
26	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	6
27	Precise Control of Nanoscale Interface for Efficient Electrochemical Reactions. Electrochemistry, 2021, , .	1.3	2
28	Vibrational Coupling of Water from Weak to Ultrastrong Coupling Regime via Cavity Mode Tuning. Journal of Physical Chemistry C, 2021, 125, 25832-25840.	3.1	28
29	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	15.3	3,414
30	Thermo-Plasmonic Trapping of Living Cyanobacteria on a Gold Nanopyramidal Dimer Array: Implications for Plasmonic Biochips. ACS Applied Nano Materials, 2020, 3, 10067-10072.	5.3	13
31	Surface-enhanced Raman scattering as a probe for exotic electronic excitations induced by localized surface plasmons. Current Opinion in Electrochemistry, 2020, 22, 186-194.	4.4	11
32	Plasmon-induced Hydrogen Evolution Reaction on p-Type Semiconductor Electrode with Ag Nanodimer Structures. Chemistry Letters, 2020, 49, 806-808.	1.0	13
33	Interfacial Structure-Modulated Plasmon-Induced Water Oxidation on Strontium Titanate. ACS Applied Energy Materials, 2020, 3, 5675-5683.	5.4	19
34	Plasmonic Manipulation of DNA using a Combination of Optical and Thermophoretic Forces: Separation of Different-Sized DNA from Mixture Solution. Scientific Reports, 2020, 10, .	3.5	34
35	Ultra-fine electrochemical tuning of hybridized plasmon modes for ultimate light confinement. Nanoscale, 2020, 12, 11593-11600.	5.0	3
36	Potential energy shift of the Fermi level at plasmonic structures for light-energy conversion determined by graphene-based Raman measurements. Journal of Chemical Physics, 2020, 152, .	2.9	9

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37	(Invited) Exotic Electronic Excitation to Manipulate Electrochemical Potential of Electrons and Holes at Liquid/Solid Interfaces. ECS Meeting Abstracts, 2020, MA2020-01, 898-898.	0.0	0
38	Plasmonic Hydrogen Evolution Reactions Driven By Visible Light Illumination at p-Type Semiconductor Electrodes. ECS Meeting Abstracts, 2020, MA2020-01, 1738-1738.	0.0	0
39	Visualization of molecular trapping at plasmonic metal nanostructure by surface-enhanced Raman scattering imaging. Journal of Nanophotonics, 2020, 14, 1.	0.9	0
40	Strong Coupling State on Plasmonic Lattice Structures Under Electrochemical Potential Control. ECS Meeting Abstracts, 2020, MA2020-02, 2078-2078.	0.0	0
41	(Invited) Extended Electrochemical Potential Range Induced By Plasmonic Electronic Excitation. ECS Meeting Abstracts, 2020, MA2020-02, 3102-3102.	0.0	0
42	Plasmonic Hydrogen Evolution at p-Type Semiconductor Electrode. ECS Meeting Abstracts, 2020, MA2020-02, 3107-3107.	0.0	0
43	Modulation of Graphene/Au(111) Interaction by Electrocatalytic Hydrogen Evolution Reaction. Journal of Physics: Conference Series, 2019, 1220, 012016.	0.3	2
44	Determination of Molecular Orientation in Bi-analyte Mono-molecule Layer through Electrochemical Surface-enhanced Raman Scattering Measurements. Chemistry Letters, 2019, 48, 820-823.	1.0	12
45	In Situ Observation of Unique Bivalent 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	16
46	Revealing High Oxygen Evolution Catalytic Activity of Fluorine-Doped Carbon in Alkaline Media. Materials, 2019, 12, 211.	2.9	8
47	Molecularly defined graphitic interface toward proton manipulation. Current Opinion in Electrochemistry, 2019, 17, 158-166.	4.4	2
48	Plasmon-induced metal restructuring and graphene oxidation monitored by surface-enhanced Raman spectroscopy. Applied Materials Today, 2019, 15, 372-376.	3.9	14
49	In-situ observation of isotopic hydrogen evolution reactions using electrochemical mass spectroscopy to evaluate surface morphological effect. Electrochimica Acta, 2019, 304, 87-93.	5.3	17
50	Hydrogen Evolution Reaction Catalyzed By Plasmonic Photo-Electrodes Under Visible Light Illumination. ECS Meeting Abstracts, 2019, , .	0.0	0
51	(Invited) Exotic Electronic Excitation of a Single-Layer Graphene By Surface Localized Plasmons Under Electrochemical Potential Control. ECS Meeting Abstracts, 2019, , .	0.0	0
52	Electrochemical Investigation of Graphene Compositing Plasmonic Photo Conversion Electrode. ECS Meeting Abstracts, 2019, , .	0.0	0
53	Sensitive Raman Probe of Electronic Interactions between Monolayer Graphene and Substrate under Electrochemical Potential Control. ACS Omega, 2018, 3, 2322-2328.	4.3	20
54	Advantage of semi-ionic bonding in fluorine-doped carbon materials for the oxygen evolution reaction in alkaline media. RSC Advances, 2018, 8, 14152-14156.	4.4	61

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55	Nanoscale control of plasmon-active metal nanodimer structures via electrochemical metal dissolution reaction. <i>Nanotechnology</i> , 2018, 29, 045702.	2.7	11
56	Active Tuning of Strong Coupling States between Dye Excitons and Localized Surface Plasmons via Electrochemical Potential Control. <i>ACS Photonics</i> , 2018, 5, 788-796.	6.4	46
57	Electrochemical Fine Tuning of the Plasmonic Properties of Au Lattice Structures. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14162-14167.	3.1	17
58	Plasmonically enhanced electromotive force of narrow bandgap PbS QD-based photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14818-14827.	2.8	10
59	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.	4.3	9
60	Thermal Effect on Plasmon-induced Electron Transfer System under Intense Pulsed Laser Illumination. <i>Chemistry Letters</i> , 2018, 47, 953-955.	1.0	3
61	Electrochemical Control of Plasmonic Metal Nanogap for Ultra-Small Light Confinement. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
62	Electrochemical control of strong coupling states between localized surface plasmons and molecule excitons for Raman enhancement. <i>Faraday Discussions</i> , 2017, 205, 261-269.	3.1	13
63	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.	3.9	17
64	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.	1.0	12
65	Plasmon-Induced Selective Oxidation Reaction at Single-Walled Carbon Nanotubes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 38992-38998.	8.0	5
66	Plasmonic Fields Focused to Molecular Size. <i>ChemNanoMat</i> , 2017, 3, 843-856.	2.5	10
67	Out-of-Plane Strain Induced in a Moiré Superstructure of Monolayer MoS <sub>2</sub> and MoSe <sub>2</sub> on Au(111). <i>Small</i> , 2017, 13, .	11.5	39
68	Plasmonic optical trapping of nanometer-sized J- /H- dye aggregates as explored by fluorescence microspectroscopy. <i>Optics Express</i> , 2017, 25, 13617.	3.1	16
69	Iron-Nitrogen-Doped Vertically Aligned Carbon Nanotube Electrocatalyst for the Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2016, 26, 738-744.	16.9	235
70	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	71
71	Single-site surface-enhanced Raman scattering beyond spectroscopy. <i>Frontiers of Physics</i> , 2016, 11, .	4.3	8
72	Preface to the Kohei Uosaki Festschrift: Electrochemistry of Ordered Interfaces—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

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73	Photoelectrochemical Behavior of Homo- and Heterodimers of Metalloporphyrins. <i>Chemistry Letters</i> , 2016, 45, 125-127.	1.0	3
74	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.	5.0	7
75	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
76	Plasmon-enhanced light energy conversion using gold nanostructured oxide semiconductor photoelectrodes. <i>Pure and Applied Chemistry</i> , 2015, 87, 547-555.	2.0	2
77	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.	5.3	3
78	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	21
79	Hydrogen-Induced Tuning of Plasmon Resonance in Palladium-Silver Layered Nanodimer Arrays. <i>ACS Photonics</i> , 2015, 2, 66-72.	6.4	16
80	Plasmon-Assisted Water Splitting Using Two Sides of the Same SrTiO <sub>3</sub> Single-Crystal Substrate: Conversion of Visible Light to Chemical Energy. <i>Angewandte Chemie</i> , 2014, 126, 10518-10522.	1.4	26
81	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	72
82	Control of a two-dimensional molecular structure by cooperative halogen and hydrogen bonds. <i>RSC Advances</i> , 2014, 4, 58567-58572.	4.4	31
83	Effective Brownian Ratchet Separation by a Combination of Molecular Filtering and a Self-Spreading Lipid Bilayer System. <i>Langmuir</i> , 2014, 30, 7496-7501.	3.8	10
84	Plasmon-Assisted Water Splitting Using Two Sides of the Same SrTiO <sub>3</sub> Single-Crystal Substrate: Conversion of Visible Light to Chemical Energy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 10350-10354.	14.1	124
85	Molecule Manipulation at Electrified Interfaces using Metal Nanogates. <i>Electrochemistry</i> , 2014, 82, 712-719.	1.3	2
86	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.	1.0	22
87	Plasmonically Nanoconfined Light Probing Invisible Phonon Modes in Defect-Free Graphene. <i>Journal of the American Chemical Society</i> , 2013, 135, 11489-11492.	15.1	33
88	Selective nitrogen doping in graphene for oxygen reduction reactions. <i>Chemical Communications</i> , 2013, 49, 9627.	3.9	184
89	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
90	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	10

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91	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.	15.1	99
92	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	24
93	Surface optimization of optical antennas for plasmonic enhancement of photoelectrochemical reactions. <i>Electrochimica Acta</i> , 2013, 112, 864-868.	5.3	5
94	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.	15.1	150
95	Observation of Defocus Images of a Single Metal Nanorod. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2535-2540.	3.1	18
96	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	74
97	Metal atomic contact under electrochemical potential control. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 164212.	2.3	4
98	Electric-field-assisted Control of Lipid Bilayer Stacking Structure. <i>Chemistry Letters</i> , 2012, 41, 1306-1307.	1.0	1
99	Near-Infrared Plasmon-Assisted Water Oxidation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1248-1252.	4.6	197
100	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	60
101	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.	1.9	17
102	Characterization of Isolated Individual Single-Walled Carbon Nanotube by Electrochemical Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 08KB06.	1.9	3
103	Dynamics of Gold Nanoparticle Assembly and Disassembly Induced by pH Oscillations. <i>Journal of Physical Chemistry C</i> , 2012, 116, 6153-6158.	3.1	40
104	Enhanced Brownian Ratchet Molecular Separation Using a Self-Spreading Lipid Bilayer. <i>Langmuir</i> , 2012, 28, 6656-6661.	3.8	17
105	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.	0.3	3
106	Room-temperature synthesis of single-wall carbon nanotubes by an electrochemical process. <i>Carbon</i> , 2012, 50, 4184-4191.	10.7	13
107	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.	0.3	2
108	Characterization of Isolated Individual Single-Walled Carbon Nanotube by Electrochemical Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 08KB06.	1.9	2

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109	Plasmon-Based Optical Trapping of Polymer Nano-Spheres as Explored by Confocal Fluorescence Microspectroscopy: A Possible Mechanism of a Resonant Excitation Effect. Japanese Journal of Applied Physics, 2012, 51, 092001.	1.9	15
110	Control of dynamics and molecular distribution in a self-spreading lipid bilayer using surface-modified metal nanoarchitectures. Physical Chemistry Chemical Physics, 2011, 13, 5561.	2.8	4
111	Polarization characteristics of surface-enhanced Raman scattering from a small number of molecules at the gap of a metal nano-dimer. Chemical Communications, 2011, 47, 4514.	3.9	40
112	Inhomogeneous Molecular Distribution in Self-Spreading Lipid Bilayers at the Solid/Liquid Interface. Current Drug Discovery Technologies, 2011, 8, 301-307.	1.2	1
113	Phosphine Sulfides as an Anchor Unit for Single Molecule Junctions. Chemistry Letters, 2011, 40, 174-176.	1.0	31
114	Detection of adsorption sites at the gap of a hetero-metal nano-dimer at the single molecule level. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 169-174.	4.3	21
115	Acceleration of a photochromic ring-opening reaction of diarylethene derivatives by excitation of localized surface plasmon. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 250-255.	4.3	18
116	Formation of a Pd atomic chain in a hydrogen atmosphere. Physical Review B, 2010, 81, .	3.4	26
117	Atomic motion in $H_2$ junctions induced by phonon excitation. Physical Review B, 2010, 81, .	3.4	24
118	Electrical conductance of Rh atomic contacts under electrochemical potential control. Physical Review B, 2010, 81, .	3.4	8
119	Toward Plasmon-Induced Photoexcitation of Molecules. Journal of Physical Chemistry Letters, 2010, 1, 2470-2487.	4.6	99
120	Force applied to a single molecule at a single nanogate molecule filter. Nanoscale, 2010, 2, 2591.	5.0	7
121	Title is missing!. Electrochemistry, 2009, 77, 882-886.	1.3	1
122	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, .	2.9	37
123	Effect of Bending Energy on the Self-Spreading Lipid Bilayer. ECS Transactions, 2009, 19, 79-85.	0.5	1
124	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.	1.3	48
125	Highly conductive single molecular junctions by direct binding of $\pi$ -conjugated molecule to metal electrodes. Thin Solid Films, 2009, 518, 466-469.	1.9	20
126	Fabrication and conductance characterization of single C60 molecular junction in solutions. Chemical Physics Letters, 2009, 477, 189-193.	2.8	7

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127	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	43
128	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
129	Segregation of Molecules in Lipid Bilayer Spreading through Metal Nanogates. Analytical Chemistry, 2009, 81, 699-704.	6.6	28
130	Theoretical investigation on the influence of temperature and crystallographic orientation on the breaking behavior of copper nanowire. Physical Chemistry Chemical Physics, 2009, 11, 6514.	2.8	41
131	Enhanced Emission from Photoactivated Silver Clusters Coupled with Localized Surface Plasmon Resonance. Journal of Physical Chemistry C, 2009, 113, 11751-11755.	3.1	16
132	2P-175 Control of self-spreading dynamics of lipid bilayer toward novel molecular filtration(Biol & Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2009, 49, S134.	0.1	0
133	Single Molecule Tracking of Cholera-Toxin Subunit B on GM1-ganlioside Containing Lipid Bilayer. E-Journal of Surface Science and Nanotechnology, 2009, 7, 74-77.	0.5	5
134	Supported Lipid Bilayer. Hyomen Kagaku, 2009, 30, 207-218.	0.1	1
135	Single Molecule Observation in Lipid Bilayer at Confined Space. Seibutsu Butsuri, 2009, 49, 094-097.	0.1	0
136	Characterization of the Au Atomic Contact in a Hydrogen Environment Using Vibration Spectroscopy of a Single Molecular Junction. E-Journal of Surface Science and Nanotechnology, 2009, 7, 53-56.	0.5	0
137	Molecular separation in the lipid bilayer medium: electrophoretic and self-spreading approaches. Analytical and Bioanalytical Chemistry, 2008, 391, 2497-2506.	3.5	18
138	Stable iron-group metal nano contact showing quantized conductance in solution. Surface Science, 2008, 602, 2333-2336.	1.7	11
139	Tuning the dynamics and molecular distribution of the self-spreading lipid bilayer. Physical Chemistry Chemical Physics, 2008, 10, 2243.	2.8	30
140	Dynamic Characterization of the Postbreaking Behavior of a Nanowire. Journal of Physical Chemistry C, 2008, 112, 20088-20094.	3.1	53
141	High Photovoltage Generation at Minority-Carrier Controlled n-Si/p-CuI Heterojunction with Morphologically Soft CuI. Journal of Physical Chemistry C, 2008, 112, 11586-11590.	3.1	31
142	Three reversible states controlled on a gold monoatomic contact by the electrochemical potential. Physical Review B, 2008, 77, .	3.4	34
143	2P-238 Single molecule tracking of peptide conjugates diffusing on a self-spreading lipid bilayer(The) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2009, 49, S134.	0.1	0
144	Hyper-Raman scattering enhanced by anisotropic dimer plasmons on artificial nanostructures. Journal of Chemical Physics, 2007, 127, .	2.9	38

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145	Conductance of single 1,4-disubstituted benzene molecules anchored to Pt electrodes. Applied Physics Letters, 2007, 91, .	3.1	67
146	The effect of hydrogen evolution reaction on conductance quantization of Au, Ag, Cu nanocontacts. Nanotechnology, 2007, 18, 424011.	2.7	18
147	Observation of a Small Number of Molecules at a Metal Nanogap Arrayed on a Solid Surface Using Surface-Enhanced Raman Scattering. Journal of the American Chemical Society, 2007, 129, 1658-1662.	15.1	197
148	Retention of Intrinsic Electronic Properties of Soluble Single-Walled Carbon Nanotubes after a Significant Degree of Sidewall Functionalization by the Bingel Reaction. Journal of Physical Chemistry C, 2007, 111, 9734-9741.	3.1	68
149	Formation of stable nanowires from ferromagnetic metals using 2-butyne-1,4-diol. Surface Science, 2007, 601, 287-291.	1.7	13
150	Fabrication of stable metal nanowire showing conductance quantization in solution. Surface Science, 2007, 601, 4127-4130.	1.7	8
151	Characteristics of the Raman spectra of single-walled carbon nanotube bundles under electrochemical potential control. Analytical and Bioanalytical Chemistry, 2007, 388, 103-108.	3.5	11
152	Quantized conductance behavior of Pt metal nanoconstrictions under electrochemical potential control. Surface Science, 2007, 601, 4122-4126.	1.7	8
153	Electric conductance of metal nanowires at mechanically controllable break junctions under electrochemical potential control. Surface Science, 2007, 601, 5262-5265.	1.7	7
154	Control of the Stability of Ni and Pd Atomic Contact by Electrochemical Potential. Hyomen Kagaku, 2007, 28, 361-366.	0.1	0
155	Control of near-infrared optical response of metal nano-structured film on glass substrate for intense Raman scattering. Faraday Discussions, 2006, 132, 179-190.	3.1	18
156	Fabrication of stable Pd nanowire assisted by hydrogen in solution. Applied Physics Letters, 2006, 88, 253112.	3.1	45
157	Crystal-Face Dependence and Photoetching-Induced Increases of Dye-Sensitized Photocurrents at Single-Crystal Rutile TiO <sub>2</sub> Surfaces. Journal of Physical Chemistry B, 2006, 110, 21050-21054.	2.8	20
158	Fabrication of Metal Nanofiber in Solution. Kobunshi, 2006, 55, 153-153.	0.0	0
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