

Kei Murakoshi

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.

245
papers

8,411
citations

44
h-index

86
g-index

272
ext. papers

9,442
ext. citations

4.7
avg, IF

5.82
L-index

#	Paper	IF	Citations
245	Low-Temperature Annealing of Plasmonic Metal Arrays for Improved Light Confinement. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 1188-1195	3.8	
244	Room-Temperature Molecular Manipulation via Plasmonic Trapping at Electrified Interfaces.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	4
243	Generation of Ultralong Liposome Tubes by Membrane Fusion beneath a Laser-Induced Microbubble on Gold Surfaces.. <i>ACS Omega</i> , 2022 , 7, 13120-13127	3.9	
242	Rapid detection of donor-dependent photocatalytic hydrogen evolution by NMR spectroscopy.. <i>RSC Advances</i> , 2022 , 12, 12967-12970	3.7	
241	Raman spectroscopy as a probe for the electronic structure of graphene at electrified interfaces. <i>Current Opinion in Electrochemistry</i> , 2022 , 101066	7.2	1
240	Highly Localized Photoelectrochemical Reactions at Nanostructured Interfaces. <i>Denki Kagaku</i> , 2022 , 90, 122-128	0	
239	Tuning Electrogenerated Chemiluminescence Intensity Enhancement Using Hexagonal Lattice Arrays of Gold Nanodisks. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2516-2522	6.4	7
238	Surface-enhanced Raman scattering probe for molecules strongly coupled with localized surface plasmon under electrochemical potential control. <i>Journal of Raman Spectroscopy</i> , 2021 , 52, 431-438	2.3	5
237	Spatial distribution of active sites for plasmon-induced chemical reactions triggered by well-defined plasmon modes. <i>Nanoscale</i> , 2021 , 13, 1784-1790	7.7	3
236	Theoretical Study on Proton Permeation Ability of Modified Single-layer Graphene. <i>Chemistry Letters</i> , 2021 , 50, 1604-1606	1.7	
235	In Situ Monitoring of Electronic Structure in a Modal Strong Coupling Electrode under Enhanced Plasmonic Water Oxidation. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1754-1760	3.8	3
234	Precise Control of Nanoscale Interface for Efficient Electrochemical Reactions. <i>Electrochemistry</i> , 2021 ,	1.2	1
233	Plasmon-induced Hydrogen Evolution Reaction on p-Type Semiconductor Electrode with Ag Nanodimer Structures. <i>Chemistry Letters</i> , 2020 , 49, 806-808	1.7	4
232	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	20.1	19
231	Interfacial Structure-Modulated Plasmon-Induced Water Oxidation on Strontium Titanate. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5675-5683	6.1	7
230	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	4.9	18
229	Ultra-fine electrochemical tuning of hybridized plasmon modes for ultimate light confinement. <i>Nanoscale</i> , 2020 , 12, 11593-11600	7.7	3

228	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	3.9	6
227	Visualization of molecular trapping at plasmonic metal nanostructure by surface-enhanced Raman scattering imaging. <i>Journal of Nanophotonics</i> , 2020 , 14, 1	1.1	
226	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	5.6	3
225	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	7.2	7
224	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
223	Photoelectrochemical Formation of Polysulfide at PbS QD-Sensitized Plasmonic Electrodes. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 5357-5363	6.4	1
222	Modulation of Graphene/Au(111) Interaction by Electrocatalytic Hydrogen Evolution Reaction. <i>Journal of Physics: Conference Series</i> , 2019 , 1220, 012016	0.3	1
221	Determination of Molecular Orientation in Bi-analyte Mono-molecule Layer through Electrochemical Surface-enhanced Raman Scattering Measurements. <i>Chemistry Letters</i> , 2019 , 48, 820-823	1.7	6
220	In Situ Observation of Unique Bialytle Molecular Behaviors at the Gap of a Single Metal Nanodimer Structure via Electrochemical Surface-Enhanced Raman Scattering Measurements. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24740-24745	3.8	7
219	Nonzero Wavevector Excitation of Graphene by Localized Surface Plasmons. <i>Nano Letters</i> , 2019 , 19, 7887-7894	1.2	
218	Revealing High Oxygen Evolution Catalytic Activity of Fluorine-Doped Carbon in Alkaline Media. <i>Materials</i> , 2019 , 12,	3.5	4
217	Molecularly defined graphitic interface toward proton manipulation. <i>Current Opinion in Electrochemistry</i> , 2019 , 17, 158-166	7.2	2
216	Plasmon-induced metal restructuring and graphene oxidation monitored by surface-enhanced Raman spectroscopy. <i>Applied Materials Today</i> , 2019 , 15, 372-376	6.6	10
215	In-situ observation of isotopic hydrogen evolution reactions using electrochemical mass spectroscopy to evaluate surface morphological effect. <i>Electrochimica Acta</i> , 2019 , 304, 87-93	6.7	8
214	Sensitive Raman Probe of Electronic Interactions between Monolayer Graphene and Substrate under Electrochemical Potential Control. <i>ACS Omega</i> , 2018 , 3, 2322-2328	3.9	15
213	Advantage of semi-ionic bonding in fluorine-doped carbon materials for the oxygen evolution reaction in alkaline media.. <i>RSC Advances</i> , 2018 , 8, 14152-14156	3.7	23
212	Nanoscale control of plasmon-active metal nanodimer structures via electrochemical metal dissolution reaction. <i>Nanotechnology</i> , 2018 , 29, 045702	3.4	6
211	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	6.3	38

210	Electrochemical Fine Tuning of the Plasmonic Properties of Au Lattice Structures. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 14162-14167	3.8	14
209	Plasmonically enhanced electromotive force of narrow bandgap PbS QD-based photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 14818-14827	3.6	8
208	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	4.4	7
207	Thermal Effect on Plasmon-induced Electron Transfer System under Intense Pulsed Laser Illumination. <i>Chemistry Letters</i> , 2018 , 47, 953-955	1.7	1
206	Electrochemical control of strong coupling states between localized surface plasmons and molecule excitons for Raman enhancement. <i>Faraday Discussions</i> , 2017 , 205, 261-269	3.6	11
205	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	4.1	7
204	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	1.7	7
203	Highly Sensitive Detection of Organic Molecules on the Basis of a Poly(N-isopropylacrylamide) Microassembly Formed by Plasmonic Optical Trapping. <i>Analytical Chemistry</i> , 2017 , 89, 532-537	7.8	22
202	Plasmon-Induced Selective Oxidation Reaction at Single-Walled Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38992-38998	9.5	4
201	Plasmonic Fields Focused to Molecular Size. <i>ChemNanoMat</i> , 2017 , 3, 843-856	3.5	8
200	Ultrasensitive and towards single molecule SERS: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 291-330	3.6	9
199	Analytical SERS: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 561-600	3.6	9
198	Out-of-Plane Strain Induced in a Moiré Superstructure of Monolayer MoS and MoSe on Au(111). <i>Small</i> , 2017 , 13, 1700748	11	11
197	Plasmonic optical trapping of nanometer-sized J- /H- dye aggregates as explored by fluorescence microspectroscopy. <i>Optics Express</i> , 2017 , 25, 13617-13625	3.3	14
196	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	3.8	2
195	Photoelectrochemical Behavior of Homo- and Heterodimers of Metalloporphyrins. <i>Chemistry Letters</i> , 2016 , 45, 125-127	1.7	3
194	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	7.7	6
193	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	3.8	9

192	Iron-Nitrogen-Doped Vertically Aligned Carbon Nanotube Electrocatalyst for the Oxygen Reduction Reaction. <i>Advanced Functional Materials</i> , 2016 , 26, 738-744	15.6	199
191	Surface-Enhanced Raman Spectroscopy for the Characterization of Semiconductor Nanostructure Surfaces. <i>ACS Symposium Series</i> , 2016 , 163-180	0.4	1
190	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	3.8	49
189	Single-site surface-enhanced Raman scattering beyond spectroscopy. <i>Frontiers of Physics</i> , 2016 , 11, 1	3.7	7
188	Plasmon-enhanced light energy conversion using gold nanostructured oxide semiconductor photoelectrodes. <i>Pure and Applied Chemistry</i> , 2015 , 87, 547-555	2.1	2
187	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	6.7	1
186	Electrochemical Potential Stabilization of Reconstructed Au(111) Structure by Monolayer Coverage with Graphene. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3403-9	6.4	17
185	Synthesis and Characterization of Carbon Nanotube. <i>World Scientific Series on Carbon Nanoscience</i> , 2015 , 51-88	0.5	
184	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	3.8	16
183	Hydrogen-Induced Tuning of Plasmon Resonance in Palladium-Silver Layered Nanodimer Arrays. <i>ACS Photonics</i> , 2015 , 2, 66-72	6.3	10
182	Single-Molecule Surface-Enhanced Raman Scattering as a Probe for Adsorption Dynamics on Metal Surfaces 2014 , 89-105		
181	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, 14-9	6.4	60
180	Control of a two-dimensional molecular structure by cooperative halogen and hydrogen bonds. <i>RSC Advances</i> , 2014 , 4, 58567-58572	3.7	23
179	Effective Brownian ratchet separation by a combination of molecular filtering and a self-spreading lipid bilayer system. <i>Langmuir</i> , 2014 , 30, 7496-501	4	7
178	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, 10350-4	16.4	103
177	Molecule Manipulation at Electrified Interfaces using Metal Nanogates. <i>Electrochemistry</i> , 2014 , 82, 712-719	1.9	1
176	Metal Nanostructures: Synthesis Controlled by Photoexcitation 2014 , 2442-2454		
175	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	1.7	14

174	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</i> , 2014 , 126, 10518-10522	3.6	23
173	Plasmonically nanoconfined light probing invisible phonon modes in defect-free graphene. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11489-92	16.4	25
172	Selective nitrogen doping in graphene for oxygen reduction reactions. <i>Chemical Communications</i> , 2013 , 49, 9627-9	5.8	152
171	Toward Nanostructure-Enhanced Photoenergy Conversion in the Plasmonic Chemical Reaction Field. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2433-2434	3.8	2
170	Single-molecule observations for determining the orientation and diffusivity of dye molecules in lipid bilayers. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 12895-902	3.6	7
169	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, 6643-8	16.4	75
168	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, 4270-4	3.6	20
167	Selection-rule breakdown in plasmon-induced electronic excitation of an isolated single-walled carbon nanotube. <i>Nature Photonics</i> , 2013 , 7, 550-554	33.9	118
166	Surface optimization of optical antennas for plasmonic enhancement of photoelectrochemical reactions. <i>Electrochimica Acta</i> , 2013 , 112, 864-868	6.7	5
165	Single molecule dynamics at a mechanically controllable break junction in solution at room temperature. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1009-14	16.4	118
164	Observation of Defocus Images of a Single Metal Nanorod. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2535-2540	3.8	16
163	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	3.8	57
162	Depolarization of Surface-Enhanced Raman Scattering Photons from a Small Number of Molecules on Metal Surfaces 2013 , 220-237		2
161	Electric-field-assisted Control of Lipid Bilayer Stacking Structure. <i>Chemistry Letters</i> , 2012 , 41, 1306-1307	1.7	1
160	Near-Infrared Plasmon-Assisted Water Oxidation. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1248-52	6.4	152
159	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	3.8	42
158	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	1.4	13
157	Characterization of Isolated Individual Single-Walled Carbon Nanotube by Electrochemical Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 08KB06	1.4	2

156	Dynamics of Gold Nanoparticle Assembly and Disassembly Induced by pH Oscillations. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 6153-6158	3.8	28
155	Enhanced Brownian ratchet molecular separation using a self-spreading lipid bilayer. <i>Langmuir</i> , 2012 , 28, 6656-61	4	17
154	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
153	Room-temperature synthesis of single-wall carbon nanotubes by an electrochemical process. <i>Carbon</i> , 2012 , 50, 4184-4191	10.4	7
152	Metal atomic contact under electrochemical potential control. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 164212	1.8	3
151	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
150	Characterization of Isolated Individual Single-Walled Carbon Nanotube by Electrochemical Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 08KB06	1.4	2
149	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	1.4	11
148	?????????????????????. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2011 , 62, 301-305	0.1	
147	Inhomogeneous molecular distribution in self-spreading lipid bilayers at the solid/liquid interface. <i>Current Drug Discovery Technologies</i> , 2011 , 8, 301-7	1.5	1
146	Phosphine Sulfides as an Anchor Unit for Single Molecule Junctions. <i>Chemistry Letters</i> , 2011 , 40, 174-176	1.7	26
145	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, 5561-4	3.6	3
144	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, 4514-6	5.8	37
143	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	4.7	19
142	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	4.7	18
141	Conductance of single benzenediamine molecule bridging between Au electrodes. <i>Transactions of the Materials Research Society of Japan</i> , 2010 , 35, 275-278	0.2	
140	Characteristic Surface-enhanced Raman Scattering from a Small Number of Molecules in an Anisotropic Electromagnetic Field at Metal Nano-gap. <i>Transactions of the Materials Research Society of Japan</i> , 2010 , 35, 279-282	0.2	2
139	Local Spectroscopic Analysis of an Isolated Single-Walled Carbon Nanotube Utilizing Electromagnetic Field Induced by Local Surface Plasmon. <i>Hyomen Kagaku</i> , 2010 , 31, 531-536		

138	Formation of a Pd atomic chain in a hydrogen atmosphere. <i>Physical Review B</i> , 2010 , 81,	3.3	24
137	Atomic motion in H ₂ and D ₂ single-molecule junctions induced by phonon excitation. <i>Physical Review B</i> , 2010 , 81,	3.3	22
136	Electrical conductance of Rh atomic contacts under electrochemical potential control. <i>Physical Review B</i> , 2010 , 81,	3.3	7
135	Toward Plasmon-Induced Photoexcitation of Molecules. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2470-2487	6.4	91
134	Optical Trapping of Quantum Dots Based on Gap-Mode-Excitation of Localized Surface Plasmon. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2327-2333	6.4	98
133	Force applied to a single molecule at a single nanogate molecule filter. <i>Nanoscale</i> , 2010 , 2, 2591-5	7.7	6
132	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	6.4	370
131	Fluorescence resonant energy transfer observation of molecules at nano-gate molecular filter. <i>Transactions of the Materials Research Society of Japan</i> , 2010 , 35, 283-286	0.2	
130	?????????????????. <i>Electrochemistry</i> , 2009 , 77, 882-886	1.2	1
129	Nonequilibrium Green's function study on the electronic structure and transportation behavior of the conjugated molecular junction: terminal connections and intramolecular connections. <i>Journal of Chemical Physics</i> , 2009 , 130, 244501	3.9	34
128	Negligible diradical character for the ultralong C-C bond in 1,1,2,2-tetraarylpyracene derivatives at room temperature. <i>Tetrahedron Letters</i> , 2009 , 50, 3693-3697	2	30
127	Highly conductive single molecular junctions by direct binding of π -conjugated molecule to metal electrodes. <i>Thin Solid Films</i> , 2009 , 518, 466-469	2.2	17
126	Fabrication and conductance characterization of single C ₆₀ molecular junction in solutions. <i>Chemical Physics Letters</i> , 2009 , 477, 189-193	2.5	6
125	Theoretical Investigation on the Electron Transport Path through the Porphyrin Molecules and Chemisorption of CO. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 7416-7423	3.8	40
124	Preface to the Hiroshi Masuhara Festschrift: Exploration with Lasers into New Areas of Molecular Photoscience. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11425-11427	3.8	1
123	Segregation of molecules in lipid bilayer spreading through metal nanogates. <i>Analytical Chemistry</i> , 2009 , 81, 699-704	7.8	25
122	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	3.8	34
121	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, 6514-9	3.6	36

120	Enhanced Emission from Photoactivated Silver Clusters Coupled with Localized Surface Plasmon Resonance. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11751-11755	3.8	16
119	2P-175 Control of self-spreading dynamics of lipid bilayer toward novel molecular filtration (Biol & Arti mem.: Dynamics, The 47th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2009 , 49, S134	0	
118	Single Molecule Tracking of Cholera-Toxin Subunit B on GM1-ganlioside Containing Lipid Bilayer. <i>E-Journal of Surface Science and Nanotechnology</i> , 2009 , 7, 74-77	0.7	4
117	Supported Lipid Bilayer. <i>Hyomen Kagaku</i> , 2009 , 30, 207-218		
116	Single Molecule Observation in Lipid Bilayer at Confined Space. <i>Seibutsu Butsuri</i> , 2009 , 49, 094-097	0	
115	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	0.7	
114	Tuning the dynamics and molecular distribution of the self-spreading lipid bilayer. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 2243-8	3.6	26
113	Conductance of Single 1,4-Benzenediamine Molecule Bridging between Au and Pt Electrodes. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13349-13352	3.8	55
112	Conductance of Single C60 Molecule Bridging Metal Electrodes. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8140-8143	3.8	55
111	Dynamic Characterization of the Postbreaking Behavior of a Nanowire. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 20088-20094	3.8	51
110	High Photovoltage Generation at Minority-Carrier Controlled n-Si/p-CuI Heterojunction with Morphologically Soft CuI. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 11586-11590	3.8	27
109	Three reversible states controlled on a gold monoatomic contact by the electrochemical potential. <i>Physical Review B</i> , 2008 , 77,	3.3	34
108	1P-226 Nanogate-Molecular filter using of a self-spreading lipid bilayer as a molecular carrier (The 46th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2008 , 48, S56	0	
107	2P-238 Single molecule tracking of peptide conjugates diffusing on a self-spreading lipid bilayer (The 46th Annual Meeting of the Biophysical Society of Japan). <i>Seibutsu Butsuri</i> , 2008 , 48, S111-S112		
106	Molecular separation in the lipid bilayer medium: electrophoretic and self-spreading approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 2497-506	4.4	13
105	Stable iron-group metal nano contact showing quantized conductance in solution. <i>Surface Science</i> , 2008 , 602, 2333-2336	1.8	12
104	Self-spreading Lipid Bilayer on Nano-structured Surface with Periodic Array of Metallic and Organic Nano-architectures. <i>Transactions of the Materials Research Society of Japan</i> , 2008 , 33, 145-148	0.2	
103	Metal Nanostructures 2008 , 2091-2104		

102	Observation of a small number of molecules at a metal nanogap arrayed on a solid surface using surface-enhanced Raman scattering. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1658-62	16.4	181
101	In Situ Probing of Dynamic Nanostructural Change of Electrodeposits in the Course of Oscillatory Growth Using SERS. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 3216-3219	3.8	5
100	Retention of Intrinsic Electronic Properties of Soluble Single-Walled Carbon Nanotubes after a Significant Degree of Sidewall Functionalization by the Bingel Reaction. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 9734-9741	3.8	61
99	Formation of stable nanowires from ferromagnetic metals using 2-butyne-1,4-diol. <i>Surface Science</i> , 2007 , 601, 287-291	1.8	13
98	Fabrication of stable metal nanowire showing conductance quantization in solution. <i>Surface Science</i> , 2007 , 601, 4127-4130	1.8	6
97	Characteristics of the Raman spectra of single-walled carbon nanotube bundles under electrochemical potential control. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 103-8	4.4	10
96	Quantized conductance behavior of Pt metal nanoconstrictions under electrochemical potential control. <i>Surface Science</i> , 2007 , 601, 4122-4126	1.8	7
95	Electric conductance of metal nanowires at mechanically controllable break junctions under electrochemical potential control. <i>Surface Science</i> , 2007 , 601, 5262-5265	1.8	6
94	Hyper-Raman scattering enhanced by anisotropic dimer plasmons on artificial nanostructures. <i>Journal of Chemical Physics</i> , 2007 , 127, 111103	3.9	36
93	Conductance of single 1,4-disubstituted benzene molecules anchored to Pt electrodes. <i>Applied Physics Letters</i> , 2007 , 91, 053110	3.4	62
92	The effect of hydrogen evolution reaction on conductance quantization of Au, Ag, Cu nanocontacts. <i>Nanotechnology</i> , 2007 , 18, 424011	3.4	17
91	Control of the Stability of Ni and Pd Atomic Contact by Electrochemical Potential. <i>Hyomen Kagaku</i> , 2007 , 28, 361-366		
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2	Inherent Promotion of Ionic Conductivity via Coherent Vibrational Strong Coupling of Water		2
1	Molecular Segregation at Periodic Metal Nano-Architectures on a Solid Surface 225-238		