

Kei Murakoshi

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245
papers

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h-index

86
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272
ext. papers

9,442
ext. citations

4.7
avg, IF

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L-index

#	Paper	IF	Citations
245	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
244	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
243	Quasi-Solid-State Dye-Sensitized TiO ₂ Solar Cells: Effective Charge Transport in Mesoporous Space Filled with Gel Electrolytes Containing Iodide and Iodine. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 12809-12815	3.4	12815
242	Importance of binding states between photosensitizing molecules and the TiO ₂ surface for efficiency in a dye-sensitized solar cell. <i>Journal of Electroanalytical Chemistry</i> , 1995 , 396, 27-34	4.1	272
241	In situ FTIR studies of primary intermediates of photocatalytic reactions on nanocrystalline TiO ₂ films in contact with aqueous solutions. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7443-50	16.4	244
240	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
239	Effect of Surface Structures on Photocatalytic CO ₂ Reduction Using Quantized CdS Nanocrystallites ¹ . <i>Journal of Physical Chemistry B</i> , 1997 , 101, 8270-8278	3.4	196
238	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
237	Surface Characteristics of ZnS Nanocrystallites Relating to Their Photocatalysis for CO ₂ Reduction ¹ . <i>Langmuir</i> , 1998 , 14, 5154-5159	4	165
236	Enhanced Emission of Deuterated Tris(hexafluoroacetylacetonato)neodymium(III) Complex in Solution by Suppression of Radiationless Transition via Vibrational Excitation. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 10201-10205		165
235	Strategies for enhancing photoluminescence of Nd ³⁺ in liquid media. <i>Coordination Chemistry Reviews</i> , 1998 , 171, 461-480	23.2	162
234	Selective nitrogen doping in graphene for oxygen reduction reactions. <i>Chemical Communications</i> , 2013 , 49, 9627-9	5.8	152
233	Near-Infrared Plasmon-Assisted Water Oxidation. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1248-52	6.4	152
232	Solid State Dye-Sensitized TiO ₂ Solar Cell with Polypyrrole as Hole Transport Layer. <i>Chemistry Letters</i> , 1997 , 26, 471-472	1.7	152
231	Absolute potential of the Fermi level of isolated single-walled carbon nanotubes. <i>Physical Review B</i> , 2003 , 68,	3.3	140
230	Fabrication of solid-state dye-sensitized TiO ₂ solar cells combined with polypyrrole. <i>Solar Energy Materials and Solar Cells</i> , 1998 , 55, 113-125	6.4	138
229	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

228	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
227	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
226	Enhancement of luminescence of Nd ³⁺ complexes with deuterated hexafluoroacetylacetonato ligands in organic solvent. <i>Chemical Physics Letters</i> , 1996 , 248, 8-12	2.5	100
225	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
224	Phenazine-Photosensitized Reduction of CO ₂ Mediated by a Cobalt-Cyclam Complex through Electron and Hydrogen Transfer. <i>The Journal of Physical Chemistry</i> , 1995 , 99, 11916-11922		95
223	Toward Plasmon-Induced Photoexcitation of Molecules. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 2470-2487	6.4	91
222	Preparation of size-controlled hexagonal CdS nanocrystallites and the characteristics of their surface structures. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998 , 94, 579-586		87
221	Conductance of a single molecule anchored by an isocyanide substituent to gold electrodes. <i>Applied Physics Letters</i> , 2006 , 89, 213104	3.4	86
220	Mesoporous electrodes having tight agglomeration of single-phase anatase TiO ₂ nanocrystallites: Application to dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2000 , 61, 427-441	6.4	85
219	Selective Formation of Nanoholes with (100)-Face Walls by Photoetching of n-TiO ₂ (Rutile) Electrodes, Accompanied by Increases in Water-Oxidation Photocurrent. <i>Journal of Physical Chemistry B</i> , 2000 , 104, 4873-4879	3.4	77
218	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
217	Semiconductor photocatalysis. Part 20. Role of surface in the photoreduction of carbon dioxide catalysed by colloidal ZnS nanocrystallites in organic solvent. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996 , 92, 2401-2411		71
216	In-Situ EXAFS Observation of the Surface Structure of Colloidal CdS Nanocrystallites in N,N-Dimethylformamide. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 6649-6656		68
215	Conductance bistability of gold nanowires at room temperature. <i>Physical Review B</i> , 2006 , 73,	3.3	66
214	Fabrication of Quasi-solid-state Dye-sensitized TiO ₂ Solar Cells Using Low Molecular Weight Gelators. <i>Chemistry Letters</i> , 1998 , 27, 1241-1242	1.7	64
213	Conductance of single 1,4-disubstituted benzene molecules anchored to Pt electrodes. <i>Applied Physics Letters</i> , 2007 , 91, 053110	3.4	62
212	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
211	Phase transition of ZnS nanocrystallites induced by surface modification at ambient temperature and pressure confirmed by electron diffraction. <i>Chemical Communications</i> , 1998 , 321-322	5.8	61

210	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
209	Observation of Cathodic Photocurrents at Nanocrystalline TiO ₂ Film Electrodes, Caused by Enhanced Oxygen Reduction in Alkaline Solutions. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 5878-5885 ³⁻⁴	3.4	59
208	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
207	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
206	Conductance of Single C ₆₀ Molecule Bridging Metal Electrodes. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 8140-8143	3.8	55
205	Metal-dependent conductance quantization of nanocontacts in solution. <i>Applied Physics Letters</i> , 2002 , 81, 123-125	3.4	53
204	Dynamic Characterization of the Postbreaking Behavior of a Nanowire. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 20088-20094	3.8	51
203	Crystal-face and illumination intensity dependences of the quantum efficiency of photoelectrochemical etching, in relation to those of water photooxidation, at n-TiO ₂ (rutile) semiconductor electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2003 , 545, 99-107	4.1	51
202	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}	3.8	49
201	Fabrication of stable Pd nanowire assisted by hydrogen in solution. <i>Applied Physics Letters</i> , 2006 , 88, 253112	3.4	44
200	Luminescence of Nd ³⁺ complexes with some asymmetric ligands in organic solutions. <i>Journal of Luminescence</i> , 1998 , 79, 29-38	3.8	43
199	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
198	Hydrogen-assisted stabilization of Ni nanowires in solution. <i>Applied Physics Letters</i> , 2005 , 87, 043104	3.4	42
197	Photoluminescence from surface-capped CdS nanocrystals by selective excitation. <i>Solid State Communications</i> , 1998 , 105, 7-11	1.6	41
196	Controlling molecular diffusion in self-spreading lipid bilayer using periodic array of ultra-small metallic architecture on solid surface. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16786-7	16.4	41
195	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
194	Mechanisms of Two Electrochemical Oscillations of Different Types, Observed for H ₂ O ₂ Reduction on a Pt Electrode in the Presence of a Small Amount of Halide Ions. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 7246-7253	3.4	40
193	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

192	Control of the structure of self-spreading lipid membrane by changing electrolyte concentration. <i>Langmuir</i> , 2006 , 22, 10927-31	4	38
191	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
190	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
189	Hyper-Raman scattering enhanced by anisotropic dimer plasmons on artificial nanostructures. <i>Journal of Chemical Physics</i> , 2007 , 127, 111103	3.9	36
188	Enhanced Emission of Nd ³⁺ in Liquid Systems: Formation of Symmetrical Rigid Shells of Tightly Solvated DMSO Molecules and Weakly Coordinated Low-Vibrational Diketono Ligands. <i>Bulletin of the Chemical Society of Japan</i> , 1998 , 71, 2573-2581	5.1	36
187	Electrochemical potential control of isolated single-walled carbon nanotubes on gold electrode. <i>Electrochimica Acta</i> , 2005 , 50, 3069-3075	6.7	35
186	Characteristic emission of diketono Nd ³⁺ complexes dressed with perfluoroalkyl groups in DMSO-d ₆ . <i>Chemical Physics Letters</i> , 1996 , 260, 173-177	2.5	35
185	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
184	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
183	Three reversible states controlled on a gold monoatomic contact by the electrochemical potential. <i>Physical Review B</i> , 2008 , 77,	3.3	34
182	Photoinduced Structural Changes of Silver Nanoparticles on Glass Substrate in Solution under an Electric Field. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 3041-3045	3.4	34
181	Extended X-ray Absorption Fine Structure Analysis of ZnS Nanocrystallites in N,N-Dimethylformamide. An Effect of Counteranions on the Microscopic Structure of a Solvated Surface. <i>Langmuir</i> , 1996 , 12, 3598-3603	4	34
180	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
179	Stabilization of n-Si electrodes by surface alkylation and metal nano-dot coating for use in efficient photoelectrochemical solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2004 , 83, 323-330	6.4	30
178	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
177	Quantitative and in-situ measurements of proton transport at polyaniline film electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990 , 277, 347-353		28
176	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
175	Sustainable metal nano-contacts showing quantized conductance prepared at a gap of thin metal wires in solution. <i>Chemical Communications</i> , 2001 , 2170-1	5.8	27

- 174 Phosphine Sulfides as an Anchor Unit for Single Molecule Junctions. *Chemistry Letters*, **2011**, 40, 174-176. 26
- 173 Tuning the dynamics and molecular distribution of the self-spreading lipid bilayer. *Physical Chemistry Chemical Physics*, **2008**, 10, 2243-8 3.6 26
- 172 Plasmonically nanoconfined light probing invisible phonon modes in defect-free graphene. *Journal of the American Chemical Society*, **2013**, 135, 11489-92 16.4 25
- 171 Segregation of molecules in lipid bilayer spreading through metal nanogates. *Analytical Chemistry*, **2009**, 81, 699-704 7.8 25
- 170 Formation of a Pd atomic chain in a hydrogen atmosphere. *Physical Review B*, **2010**, 81, 3-3 24
- 169 Synthesis of 2,2':5,2'-terpyridine and 2,2':5,2':5',2'-quaterpyridine and their photocatalysis of the reduction of water. *Journal of the Chemical Society Perkin Transactions II*, **1996**, 1963-1969 24
- 168 Advantage of semi-ionic bonding in fluorine-doped carbon materials for the oxygen evolution reaction in alkaline media. *RSC Advances*, **2018**, 8, 14152-14156 3-7 23
- 167 Control of a two-dimensional molecular structure by cooperative halogen and hydrogen bonds. *RSC Advances*, **2014**, 4, 58567-58572 3-7 23
- 166 Plasmon-Assisted Water Splitting Using Two Sides of the Same SrTiO₃ Single-Crystal Substrate: Conversion of Visible Light to Chemical Energy. *Angewandte Chemie*, **2014**, 126, 10518-10522 3.6 23
- 165 Highly Sensitive Detection of Organic Molecules on the Basis of a Poly(N-isopropylacrylamide) Microassembly Formed by Plasmonic Optical Trapping. *Analytical Chemistry*, **2017**, 89, 532-537 7.8 22
- 164 Atomic motion in H₂ and D₂ single-molecule junctions induced by phonon excitation. *Physical Review B*, **2010**, 81, 3-3 22
- 163 Local thermal elevation probing of metal nanostructures during laser illumination utilizing surface-enhanced Raman scattering from a single-walled carbon nanotube. *Physical Chemistry Chemical Physics*, **2013**, 15, 4270-4 3.6 20
- 162 Visible-light induced photofixation of carbon dioxide into aromatic ketones and benzyl halides catalysed by CdS nanocrystallites. *Journal of the Chemical Society Perkin Transactions II*, **1997**, 317-322 20
- 161 Surface modification of CdS quantum dots with fluorinated thiophenol. *Journal of the Chemical Society, Faraday Transactions*, **1996**, 92, 4575 20
- 160 Active Intermediates in Plasmon-Induced Water Oxidation at Au Nanodimer Structures on a Single Crystal of TiO₂. *ACS Energy Letters*, **2020**, 5, 1252-1259 20.1 19
- 159 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 4-7 19
- 158 Interfacial Electron Transfer Dynamics of Photosensitized Zinc Oxide Nanoclusters. *ACS Symposium Series*, **1997**, 221-238 0.4 19
- 157 Crystal-face dependence and photoetching-induced increases of dye-sensitized photocurrents at single-crystal rutile TiO₂ surfaces. *Journal of Physical Chemistry B*, **2006**, 110, 21050-4 3-4 19

156	X-ray photoelectron spectroscopic studies of the chemical nature of as-prepared and NaOH-treated porous silicon layer. <i>Applied Physics Letters</i> , 1993 , 62, 1676-1678	3.4	19
155	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
154	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
153	Characteristics of Raman features of isolated single-walled carbon nanotubes under electrochemical potential control. <i>Surface Science</i> , 2004 , 566-568, 436-442	1.8	18
152	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
151	Enhanced Brownian ratchet molecular separation using a self-spreading lipid bilayer. <i>Langmuir</i> , 2012 , 28, 6656-61	4	17
150	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
149	The effect of hydrogen evolution reaction on conductance quantization of Au, Ag, Cu nanocontacts. <i>Nanotechnology</i> , 2007 , 18, 424011	3.4	17
148	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
147	Observation of Defocus Images of a Single Metal Nanorod. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2535-2540	3.8	16
146	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
145	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
144	First Observation of Photosensitized Luminescence of Nd ³⁺ in Organic Solution. <i>Chemistry Letters</i> , 1997 , 26, 1067-1068	1.7	15
143	Visible light-induced photofixation of CO ₂ into benzophenone: roles of poly(p-phenylene) as photocatalyst and two-electron mediator in the presence of quaternary onium salts. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998 , 1999-2004		15
142	Control of near-infrared optical response of metal nano-structured film on glass substrate for intense Raman scattering. <i>Faraday Discussions</i> , 2006 , 132, 179-90; discussion 227-47	3.6	15
141	Interfacial electron transfer dynamics of photosensitized zinc oxide nanoclusters		15
140	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
139	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

138	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
137	Visible light induced photo-oxidation of water. Formation of intermediary hydroxyl radicals through the photoexcited triplet state of perfluorophenazine. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997 , 93, 221-229		14
136	Observation of Adsorbed N,N-Dimethylformamide Molecules on Colloidal ZnS Nanocrystallites. Effect of Coexistent Counteranion on Surface Structure. <i>Langmuir</i> , 1998 , 14, 4070-4073	4	14
135	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
134	Formation of stable nanowires from ferromagnetic metals using 2-butyne-1,4-diol. <i>Surface Science</i> , 2007 , 601, 287-291	1.8	13
133	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
132	Effect of photo-irradiation and external electric field on structural change of metal nanodots in solution. <i>Surface Science</i> , 2003 , 532-535, 1109-1115	1.8	13
131	Nonzero Wavevector Excitation of Graphene by Localized Surface Plasmons. <i>Nano Letters</i> , 2019 , 19, 7887-7894	1.2	13
130	Stable iron-group metal nano contact showing quantized conductance in solution. <i>Surface Science</i> , 2008 , 602, 2333-2336	1.8	12
129	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
128	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
127	Conductance Characteristics of Ni Nanoconstrictions Prepared in Solution. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 2000-2003	1.4	11
126	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
125	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
124	Hydrogen-Induced Tuning of Plasmon Resonance in Palladium Silver Layered Nanodimer Arrays. <i>ACS Photonics</i> , 2015 , 2, 66-72	6.3	10
123	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
122	High Pressure Effects on Fluorescence-Quenching of Coumarin 343 Adsorbed on TiO ₂ Nanocrystallites in Methanol and in N,N-Dimethylformamide. <i>Chemistry Letters</i> , 2000 , 29, 938-939	1.7	10
121	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

120	Ultrasensitive and towards single molecule SERS: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 291-330	3.6	9
119	Analytical SERS: general discussion. <i>Faraday Discussions</i> , 2017 , 205, 561-600	3.6	9
118	Control of Surface Coverage and Solubility of Thiophenolate-Capped CdS Nanocrystallites. <i>Journal of Colloid and Interface Science</i> , 1998 , 203, 225-228	9.3	9
117	Anisotropic Agglomeration of Surface-Modified Gold Nanoparticles in Solution and on Solid Surfaces. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 4633-4634	1.4	9
116	Structural Control of Porous Nano-Space in Dye-Sensitized TiO ₂ Solar Cells*. <i>Zeitschrift Fur Physikalische Chemie</i> , 1999 , 212, 31-38	3.1	9
115	Chiroselective electron transfer at enantiomer-capped ZnO nanocrystalline surfaces. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 473, 117-124	4.1	9
114	Mechanistic studies of the one-electron oxidation of water to hydroxyl radicals photosensitized by perfluorinated p-terphenyl. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996 , 92, 3491		9
113	Nano-Sized Structures on Atomically-Flat Semiconductor and Metal Surfaces, Formed by Chemical and Electrochemical Methods. <i>Electrochemistry</i> , 2000 , 68, 556-561	1.2	9
112	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
111	Plasmonically enhanced electromotive force of narrow bandgap PbS QD-based photovoltaics. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 14818-14827	3.6	8
110	Plasmonic Fields Focused to Molecular Size. <i>ChemNanoMat</i> , 2017 , 3, 843-856	3.5	8
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108	Visible Electroluminescence from p-Type Porous Silicon in Electrolyte Solution. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 4564-4570		8
107	Photon emission via surface state at the gold/acetonitrile solution interface. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 779-783		8
106	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
105	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
104	In Situ Observation of Unique Biantalyte 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
103	Interfacial Structure-Modulated Plasmon-Induced Water Oxidation on Strontium Titanate. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5675-5683	6.1	7

102	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
101	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
100	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
99	Room-temperature synthesis of single-wall carbon nanotubes by an electrochemical process. <i>Carbon</i> , 2012 , 50, 4184-4191	10.4	7
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