

Kei Murakoshi

List of Publications by Year in descending order

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263
papers

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citations

50276

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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	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	14.6	2,153
2	Plasmon-Assisted Photocurrent Generation from Visible to Near-Infrared Wavelength Using a Au-Nanorods/TiO ₂ Electrode. Journal of Physical Chemistry Letters, 2010, 1, 2031-2036.	4.6	425
3	Quasi-Solid-State Dye-Sensitized TiO ₂ Solar Cells: Effective Charge Transport in Mesoporous Space Filled with Gel Electrolytes Containing Iodide and Iodine. Journal of Physical Chemistry B, 2001, 105, 12809-12815.	2.6	358
4	Importance of binding states between photosensitizing molecules and the TiO ₂ surface for efficiency in a dye-sensitized solar cell. Journal of Electroanalytical Chemistry, 1995, 396, 27-34.	3.8	299
5	In Situ FTIR Studies of Primary Intermediates of Photocatalytic Reactions on Nanocrystalline TiO ₂ Films in Contact with Aqueous Solutions. Journal of the American Chemical Society, 2003, 125, 7443-7450.	13.7	285
6	Effect of Surface Structures on Photocatalytic CO ₂ Reduction Using Quantized CdS Nanocrystallites. Journal of Physical Chemistry B, 1997, 101, 8270-8278.	2.6	229
7	Iron-Nitrogen-Doped Vertically Aligned Carbon Nanotube Electrocatalyst for the Oxygen Reduction Reaction. Advanced Functional Materials, 2016, 26, 738-744.	14.9	218
8	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.	13.7	190
9	Strategies for enhancing photoluminescence of Nd ³⁺ in liquid media. Coordination Chemistry Reviews, 1998, 171, 461-480.	18.8	188
10	Enhanced Emission of Deuterated Tris(hexafluoroacetylacetonato)neodymium(III) Complex in Solution by Suppression of Radiationless Transition via Vibrational Excitation. The Journal of Physical Chemistry, 1996, 100, 10201-10205.	2.9	185
11	Near-Infrared Plasmon-Assisted Water Oxidation. Journal of Physical Chemistry Letters, 2012, 3, 1248-1252.	4.6	183
12	Surface Characteristics of ZnS Nanocrystallites Relating to Their Photocatalysis for CO ₂ Reduction. Langmuir, 1998, 14, 5154-5159.	3.5	182
13	Selective nitrogen doping in graphene for oxygen reduction reactions. Chemical Communications, 2013, 49, 9627.	4.1	175
14	Solid State Dye-Sensitized TiO ₂ Solar Cell with Polypyrrole as Hole Transport Layer. Chemistry Letters, 1997, 26, 471-472.	1.3	161
15	Fabrication of solid-state dye-sensitized TiO ₂ solar cells combined with polypyrrole. Solar Energy Materials and Solar Cells, 1998, 55, 113-125.	6.2	157
16	Absolute potential of the Fermi level of isolated single-walled carbon nanotubes. Physical Review B, 2003, 68, .	3.2	151
17	Selection-rule breakdown in plasmon-induced electronic excitation of an isolated single-walled carbon nanotube. Nature Photonics, 2013, 7, 550-554.	31.4	143
18	Single Molecule Dynamics at a Mechanically Controllable Break Junction in Solution at Room Temperature. Journal of the American Chemical Society, 2013, 135, 1009-1014.	13.7	138

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19	Enhancement of luminescence of Nd ³⁺ complexes with deuterated hexafluoroacetylacetonato ligands in organic solvent. <i>Chemical Physics Letters</i> , 1996, 248, 8-12.	2.6	123
20	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.	4.6	122
21	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
22	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.	2.9	100
23	Toward Plasmon-Induced Photoexcitation of Molecules. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 2470-2487.	4.6	99
24	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.	1.7	95
25	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.	6.2	94
26	Conductance of a single molecule anchored by an isocyanide substituent to gold electrodes. <i>Applied Physics Letters</i> , 2006, 89, 213104.	3.3	94
27	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
28	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.	1.7	88
29	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.	2.6	86
30	In-SituEXAFS Observation of the Surface Structure of Colloidal CdS Nanocrystallites in N,N-Dimethylformamide. <i>The Journal of Physical Chemistry</i> , 1996, 100, 6649-6656.	2.9	77
31	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
32	Fabrication of Quasi-solid-state Dye-sensitized TiO ₂ Solar Cells Using Low Molecular Weight Gelators. <i>Chemistry Letters</i> , 1998, 27, 1241-1242.	1.3	70
33	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
34	Conductance bistability of gold nanowires at room temperature. <i>Physical Review B</i> , 2006, 73, .	3.2	68
35	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.	3.1	66
36	Conductance of single 1,4-disubstituted benzene molecules anchored to Pt electrodes. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	65

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37	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.	4.1	64
38	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
39	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
40	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.	2.6	62
41	Metal-dependent conductance quantization of nanocontacts in solution. <i>Applied Physics Letters</i> , 2002, 81, 123-125.	3.3	60
42	Conductance of Single C ₆₀ Molecule Bridging Metal Electrodes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8140-8143.	3.1	59
43	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.	3.8	58
44	Dynamic Characterization of the Postbreaking Behavior of a Nanowire. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20088-20094.	3.1	54
45	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
46	Luminescence of Nd ³⁺ complexes with some asymmetric ligands in organic solutions. <i>Journal of Luminescence</i> , 1998, 79, 29-38.	3.1	52
47	Characteristic emission of β^2 -diketonato Nd ³⁺ complexes dressed with perfluoroalkyl groups in DMSO-d ₆ . <i>Chemical Physics Letters</i> , 1996, 260, 173-177.	2.6	48
48	Enhanced Emission of Nd ³⁺ in Liquid Systems: Formation of Symmetrical Rigid Shells of Tightly Solvated DMSO Molecules and Weakly Coordinated Low-Vibrational β^2 -Diketonato Ligands. <i>Bulletin of the Chemical Society of Japan</i> , 1998, 71, 2573-2581.	3.2	45
49	Fabrication of stable Pd nanowire assisted by hydrogen in solution. <i>Applied Physics Letters</i> , 2006, 88, 253112.	3.3	45
50	Photoluminescence from surface-capped CdS nanocrystals by selective excitation. <i>Solid State Communications</i> , 1998, 105, 7-11.	1.9	44
51	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.	2.6	44
52	Hydrogen-assisted stabilization of Ni nanowires in solution. <i>Applied Physics Letters</i> , 2005, 87, 043104.	3.3	44
53	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, 16786-16787.	13.7	44
54	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.	3.6	44

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55	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.	6.6	43
56	Control of the Structure of Self-Spreading Lipid Membrane by Changing Electrolyte Concentration. <i>Langmuir</i> , 2006, 22, 10927-10931.	3.5	42
57	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.	1.4	42
58	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.	3.1	42
59	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
60	Electrochemical potential control of isolated single-walled carbon nanotubes on gold electrode. <i>Electrochimica Acta</i> , 2005, 50, 3069-3075.	5.2	41
61	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.	3.5	40
62	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
63	Hyper-Raman scattering enhanced by anisotropic dimer plasmons on artificial nanostructures. <i>Journal of Chemical Physics</i> , 2007, 127, 111103.	3.0	38
64	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
65	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.	2.6	35
66	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
67	Three reversible states controlled on a gold monoatomic contact by the electrochemical potential. <i>Physical Review B</i> , 2008, 77, .	3.2	34
68	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.	3.0	34
69	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.	0.1	32
70	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.	6.2	32
71	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.	3.1	31
72	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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73	Tuning the dynamics and molecular distribution of the self-spreading lipid bilayer. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2243.	2.8	29
74	Phosphine Sulfides as an Anchor Unit for Single Molecule Junctions. <i>Chemistry Letters</i> , 2011, 40, 174-176.	1.3	29
75	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
76	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
77	Segregation of Molecules in Lipid Bilayer Spreading through Metal Nanogates. <i>Analytical Chemistry</i> , 2009, 81, 699-704.	6.5	28
78	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
79	Sustainable metal nano-contacts showing quantized conductance prepared at a gap of thin metal wires in solution. <i>Chemical Communications</i> , 2001, , 2170-2171.	4.1	27
80	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
81	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
82	Synthesis of 2,2',5',2''-terpyridine and 2,2',5',2''-quaterpyridine and their photocatalysis of the reduction of water. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 1963-1969.	0.9	25
83	Formation of a Pd atomic chain in a hydrogen atmosphere. <i>Physical Review B</i> , 2010, 81, .	3.2	25
84	Atomic motion in H ₂ junctions induced by phonon excitation. <i>Physical Review B</i> , 2010, 81, .	3.2	23
85	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
86	Visible-light induced photofixation of carbon dioxide into aromatic ketones and benzyl halides catalysed by CdS nanocrystals. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 317-322.	0.9	22
87	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
88	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
89	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.	13.7	21
90	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.	3.3	20

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91	Surface modification of CdS quantum dots with fluorinated thiophenol. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 4575.	1.7	20
92	Interfacial Electron Transfer Dynamics of Photosensitized Zinc Oxide Nanoclusters. <i>ACS Symposium Series</i> , 1997, , 221-238.	0.5	20
93	Crystal-Face Dependence and Photoetching-Induced Increases of Dye-Sensitized Photocurrents at Single-Crystal Rutile TiO ₂ Surfaces. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21050-21054.	2.6	20
94	Characteristics of Raman features of isolated single-walled carbon nanotubes under electrochemical potential control. <i>Surface Science</i> , 2004, 566-568, 436-442.	1.9	19
95	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
96	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
97	Nonzero Wavevector Excitation of Graphene by Localized Surface Plasmons. <i>Nano Letters</i> , 2019, 19, 7887-7894.	9.1	19
98	The effect of hydrogen evolution reaction on conductance quantization of Au, Ag, Cu nanocontacts. <i>Nanotechnology</i> , 2007, 18, 424011.	2.6	18
99	Highly conductive single molecular junctions by direct binding of π -conjugated molecule to metal electrodes. <i>Thin Solid Films</i> , 2009, 518, 466-469.	1.8	18
100	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
101	Control of near-infrared optical response of metal nano-structured film on glass substrate for intense Raman scattering. <i>Faraday Discussions</i> , 2006, 132, 179-190.	3.2	17
102	Enhanced Brownian Ratchet Molecular Separation Using a Self-Spreading Lipid Bilayer. <i>Langmuir</i> , 2012, 28, 6656-6661.	3.5	17
103	Observation of Defocus Images of a Single Metal Nanorod. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2535-2540.	3.1	17
104	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
105	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
106	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
107	Sensitive Raman Probe of Electronic Interactions between Monolayer Graphene and Substrate under Electrochemical Potential Control. <i>ACS Omega</i> , 2018, 3, 2322-2328.	3.5	16
108	First Observation of Photosensitized Luminescence of Nd ³⁺ in Organic Solution. <i>Chemistry Letters</i> , 1997, 26, 1067-1068.	1.3	15

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109	Visible light-induced photofixation of CO ₂ into benzophenone: roles of poly(4-vinylpyridine) 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.	0.9	15
110	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.	1.9	15
111	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
112	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
113	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
114	Interfacial Structure-Modulated Plasmon-Induced Water Oxidation on Strontium Titanate. <i>ACS Applied Energy Materials</i> , 2020, 3, 5675-5683.	5.1	15
115	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
116	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.	1.7	14
117	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.	3.5	14
118	Analytical SERS: general discussion. <i>Faraday Discussions</i> , 2017, 205, 561-600.	3.2	14
119	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
120	Formation of stable nanowires from ferromagnetic metals using 2-butyne-1,4-diol. <i>Surface Science</i> , 2007, 601, 287-291.	1.9	13
121	Hydrogen-Induced Tuning of Plasmon Resonance in Palladium-Silver Layered Nanodimer Arrays. <i>ACS Photonics</i> , 2015, 2, 66-72.	6.6	13
122	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
123	Stable iron-group metal nano contact showing quantized conductance in solution. <i>Surface Science</i> , 2008, 602, 2333-2336.	1.9	12
124	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
125	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.	5.2	12
126	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

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127	Room-Temperature Molecular Manipulation via Plasmonic Trapping at Electrified Interfaces. <i>Journal of the American Chemical Society</i> , 2022, 144, 2755-2764.	13.7	12
128	Conductance Characteristics of Ni Nanoconstrictions Prepared in Solution. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 2000-2003.	1.5	11
129	Characteristics of the Raman spectra of single-walled carbon nanotube bundles under electrochemical potential control. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 103-108.	3.7	11
130	Room-temperature synthesis of single-wall carbon nanotubes by an electrochemical process. <i>Carbon</i> , 2012, 50, 4184-4191.	10.3	11
131	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
132	Ultrasensitive and towards single molecule SERS: general discussion. <i>Faraday Discussions</i> , 2017, 205, 291-330.	3.2	11
133	Plasmon-induced metal restructuring and graphene oxidation monitored by surface-enhanced Raman spectroscopy. <i>Applied Materials Today</i> , 2019, 15, 372-376.	4.3	11
134	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.	1.7	10
135	Structural Control of Porous Nano-Space in Dye-Sensitized TiO ₂ Solar Cells*. <i>Zeitschrift Fur Physikalische Chemie</i> , 1999, 212, 31-38.	2.8	10
136	Visible Electroluminescence from n-Type Porous Silicon/Electrolyte Solution Interfaces: Time-Dependent Electroluminescence Spectra. <i>Journal of the Electrochemical Society</i> , 1999, 146, 4166-4171.	2.9	10
137	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.	1.3	10
138	Anisotropic Agglomeration of Surface-Modified Gold Nanoparticles in Solution and on Solid Surfaces. <i>Japanese Journal of Applied Physics</i> , 2000, 39, 4633-4634.	1.5	10
139	Nanoscale control of plasmon-active metal nanodimer structures via electrochemical metal dissolution reaction. <i>Nanotechnology</i> , 2018, 29, 045702.	2.6	10
140	In Situ Observation of Unique Bivalent 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.	3.1	10
141	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
142	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
143	Tuning Electrogenerated Chemiluminescence Intensity Enhancement Using Hexagonal Lattice Arrays of Gold Nanodisks. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2516-2522.	4.6	10
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