

Hiroaki Misawa

List of Publications by Year in descending order

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420
papers

17,919
citations

13332

70
h-index

22488

117
g-index

437
all docs

437
docs citations

437
times ranked

15253
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging materials for plasmon-assisted photoelectrochemical water splitting. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2022, 51, 100472.	5.6	44
2	Metasurface-Based Abrupt Autofocusing Beam for Biomedical Applications. <i>Small Methods</i> , 2022, 6, e2101228.	4.6	20
3	Boosting Hydrogen Evolution at Visible Light Wavelengths by Using a Photocathode with Modal Strong Coupling between Plasmons and a Fabry-Pérot Nanocavity. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	9
4	Edge states in plasmonic meta-arrays. <i>Nanophotonics</i> , 2022, .	2.9	5
5	Near-field engineering for boosting the photoelectrochemical activity to a modal strong coupling structure. <i>Chemical Communications</i> , 2021, 57, 524-527.	2.2	6
6	Feasibility of using bimetallic Au-Ag nanoparticles for organic light-emitting devices. <i>Nanoscale</i> , 2021, 13, 12164-12176.	2.8	2
7	Hot-carrier Separation Induced by the Electric Field of a p-n Junction between Titanium Dioxide and Nickel Oxide. <i>Chemistry Letters</i> , 2021, 50, 374-377.	0.7	3
8	Near-Perfect Absorption of Light by Coherent Plasmon-Exciton States. <i>Nano Letters</i> , 2021, 21, 3864-3870.	4.5	8
9	Revealing the Chiroptical Response of Plasmonic Nanostructures at the Nanofemto Scale. <i>Nano Letters</i> , 2021, 21, 4780-4786.	4.5	9
10	Cubic-Phase Metasurface for Three-Dimensional Optical Manipulation. <i>Nanomaterials</i> , 2021, 11, 1730.	1.9	15
11	Varifocal Metalens for Optical Sectioning Fluorescence Microscopy. <i>Nano Letters</i> , 2021, 21, 5133-5142.	4.5	97
12	Water Oxidation under Modal Ultrastrong Coupling Conditions Using Gold/Silver Alloy Nanoparticles and Fabry-Pérot Nanocavities. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18438-18442.	7.2	20
13	Water Oxidation under Modal Ultrastrong Coupling Conditions Using Gold/Silver Alloy Nanoparticles and Fabry-Pérot Nanocavities. <i>Angewandte Chemie</i> , 2021, 133, 18586-18590.	1.6	5
14	Highly Sensitive and Spatially Homogeneous Surface-Enhanced Raman Scattering Substrate under Plasmon-Nanocavity Coupling. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19880-19886.	1.5	6
15	Extrinsic Chirality by Interference between Two Plasmonic Modes on an Achiral Rectangular Nanostructure. <i>ACS Nano</i> , 2021, 15, 16802-16810.	7.3	13
16	Near-Field Imaging and Time-Domain Dynamics of Photonic Topological Edge States in Plasmonic Nanochains. <i>Nano Letters</i> , 2021, 21, 9270-9278.	4.5	16
17	A Fabry-Pérot cavity coupled surface plasmon photodiode for electrical biomolecular sensing. <i>Nature Communications</i> , 2021, 12, 6483.	5.8	18
18	Enhancement of Selective Fixation of Dinitrogen to Ammonia under Modal Strong Coupling Conditions. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1396-1401.	1.0	5

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19	Ultrafast photoemission electron microscopy: Capability and potential in probing plasmonic nanostructures from multiple domains. <i>Journal of Chemical Physics</i> , 2020, 153, 120902.	1.2	15
20	Special topic on emerging directions in plasmonics. <i>Journal of Chemical Physics</i> , 2020, 153, 010401.	1.2	8
21	Plasmon-induced electron injection into the large negative potential conduction band of Ga ₂ O ₃ for coupling with water oxidation. <i>Nanoscale</i> , 2020, 12, 22674-22679.	2.8	7
22	Site-Selective Deposition of a Cobalt Cocatalyst onto a Plasmonic Au/TiO ₂ Photoanode for Improved Water Oxidation. <i>ACS Applied Energy Materials</i> , 2020, 3, 5142-5146.	2.5	26
23	Enhancement of Selective Fixation of Dinitrogen to Ammonia under Modal Strong Coupling Conditions. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1346-1346.	1.0	0
24	Chiral Second-Harmonic Generation from Monolayer WS ₂ /Aluminum Plasmonic Vortex Metalens. <i>Nano Letters</i> , 2020, 20, 2857-2864.	4.5	36
25	Ultrafast Electron Cooling and Decay in Monolayer WS ₂ Revealed by Time- and Energy-Resolved Photoemission Electron Microscopy. <i>Nano Letters</i> , 2020, 20, 3747-3753.	4.5	35
26	Enhanced photocurrent generation from indium-tin-oxide/Fe ₂ TiO ₅ hybrid nanocone arrays. <i>Nano Energy</i> , 2020, 76, 104965.	8.2	9
27	Interfacial Structure-Modulated Plasmon-Induced Water Oxidation on Strontium Titanate. <i>ACS Applied Energy Materials</i> , 2020, 3, 5675-5683.	2.5	15
28	Arbitrary control of the diffusion potential between a plasmonic metal and a semiconductor by an angstrom-thick interface dipole layer. <i>Journal of Chemical Physics</i> , 2020, 152, 034705.	1.2	2
29	Role of Depolarization Factors in the Evolution of a Dipolar Plasmonic Spectral Line in the Far- and Near-Field Regimes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3250-3259.	1.5	11
30	Correlation between Near-Field Enhancement and Dephasing Time in Plasmonic Dimers. <i>Physical Review Letters</i> , 2020, 124, 163901.	2.9	29
31	A photoanode with plasmonic nanoparticles of earth abundant bismuth for photoelectrochemical reactions. <i>Nanoscale Advances</i> , 2020, 2, 5591-5599.	2.2	15
32	(Invited) Enhanced Photochemical Reactions Under Modal Strong Coupling Conditions. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 893-893.	0.0	0
33	(Keynote) Dynamics of Electron Transfer in Enhanced Water Splitting Under Modal Strong Coupling Conditions. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 1734-1734.	0.0	0
34	(Keynote) Dynamics of Electron Transfer in Enhanced Water Splitting Under Modal Strong Coupling Conditions. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 3075-3075.	0.0	0
35	Ammonia photosynthesis <i>via</i> an association pathway using a plasmonic photoanode and a zirconium cathode. <i>Green Chemistry</i> , 2019, 21, 4443-4448.	4.6	20
36	Formation of Nanostructure-controlled Strong Coupling of Porphyrin Molecules and Silver Nanoparticles Using Layered Silicates. <i>Chemistry Letters</i> , 2019, 48, 211-214.	0.7	1

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37	Engineering Ultrafast Carrier Dynamics at the Graphene/GaAs Interface by Bulk Doping Level. <i>Advanced Optical Materials</i> , 2019, 7, 1900580.	3.6	6
38	Injection compression molding of transmission-type Fano resonance biochips for multiplex sensing applications. <i>Applied Materials Today</i> , 2019, 16, 72-82.	2.3	10
39	Efficient Hot-Electron Transfer under Modal Strong Coupling Conditions with Sacrificial Electron Donors. <i>ChemNanoMat</i> , 2019, 5, 1008-1014.	1.5	9
40	Bacterial Concentration Detection using a PCB-based Contactless Conductivity Sensor. <i>Micromachines</i> , 2019, 10, 55.	1.4	6
41	Twisted Surface Plasmons with Spin-Controlled Gold Surfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1801060.	3.6	36
42	Control of plasmon dephasing time using stacked nanogap gold structures for strong near-field enhancement. <i>Applied Materials Today</i> , 2019, 14, 159-165.	2.3	33
43	Exotic Mode Suppression in Plasmonic Heterotrimer System. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1398-1405.	1.5	5
44	Second Harmonic Light Manipulation with Vertical Split Ring Resonators. <i>Advanced Materials</i> , 2019, 31, e1806479.	11.1	44
45	Revealing the plasmon coupling in gold nanochains directly from the near field. <i>Opto-Electronic Advances</i> , 2019, 2, 18003001-18003007.	6.4	17
46	(Invited) Enhanced Water Splitting Under Modal Strong Coupling Conditions. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
47	Plasmon-Assisted Polarity Switching of a Photoelectric Conversion Device by UV and Visible Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14064-14071.	1.5	10
48	Solid-State Plasmonic Solar Cells. <i>Chemical Reviews</i> , 2018, 118, 2955-2993.	23.0	182
49	Ultrabroad and Angle Tunable THz Filter Based on Multiplexed Metallic Bar Resonators. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 2103-2106.	1.3	13
50	Manipulation of the dephasing time by strong coupling between localized and propagating surface plasmon modes. <i>Nature Communications</i> , 2018, 9, 4858.	5.8	85
51	Enhanced water splitting under modal strong coupling conditions. <i>Nature Nanotechnology</i> , 2018, 13, 953-958.	15.6	216
52	Optical Characterization of Gold Nanoblock Dimers: From Capacitive Coupling to Charge Transfer Plasmons and Rod Modes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18005-18011.	1.5	12
53	(Invited) Plasmon-Induced Photocurrent Generation for Exploring the Near-Field Ofstrongly Coupled Plasmonic Systems. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
54	Near-field Spectral Properties of Nano-engineered Metallic Nanoparticles. , 2018, , .		1

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55	(Invited) Artificial Photosynthesis Using Plasmonic Photoanode. ECS Meeting Abstracts, 2018, , .	0.0	0
56	Water splitting using a three-dimensional plasmonic photoanode with titanium dioxide nano-tunnels. Green Chemistry, 2017, 19, 2398-2405.	4.6	28
57	Optimization of a compact layer of TiO ₂ via atomic-layer deposition for high-performance perovskite solar cells. Sustainable Energy and Fuels, 2017, 1, 1533-1540.	2.5	59
58	Highly Sensitive Aluminum-Based Biosensors using Tailorable Fano Resonances in Capped Nanostructures. Scientific Reports, 2017, 7, 44104.	1.6	62
59	Plasmon-induced photoelectrochemical biosensor for in situ real-time measurement of biotin-streptavidin binding kinetics under visible light irradiation. Analytica Chimica Acta, 2017, 957, 70-75.	2.6	6
60	Versatile plasmonic-effects at the interface of inverted perovskite solar cells. Nanoscale, 2017, 9, 1229-1236.	2.8	50
61	Interplay of hot electrons from localized and propagating plasmons. Nature Communications, 2017, 8, 771.	5.8	64
62	Exploring the Near-Field of Strongly Coupled Waveguide-Plasmon Modes by Plasmon-Induced Photocurrent Generation Using a Gold Nanograting-Loaded Titanium Dioxide Photoelectrode. Journal of Physical Chemistry C, 2017, 121, 21627-21633.	1.5	10
63	3-D Nanostructure Fabrication by Focused-Ion Beam, Electron- and Laser Beam. Springer Handbooks, 2017, , 87-112.	0.3	0
64	Enhancing Surface Sensitivity of Nanostructure-Based Aluminum Sensors Using Capped Dielectric Layers. ACS Omega, 2017, 2, 7461-7470.	1.6	14
65	Near-field spectroscopic properties of complementary gold nanostructures: applicability of Babinet's principle in the optical region. Optics Express, 2017, 25, 5279.	1.7	8
66	Near-field spectral properties of coupled plasmonic nanoparticle arrays. Optics Express, 2017, 25, 6883.	1.7	23
67	Spatial evolution of the near-field distribution on planar gold nanoparticles with the excitation wavelength across dipole and quadrupole modes. Photonics Research, 2017, 5, 187.	3.4	19
68	(Invited) Artificial Photosynthesis Using Plasmon-Mediated Electron Transfer. ECS Meeting Abstracts, 2017, , .	0.0	0
69	(Invited) Inorganic Solid-State Solar Cells Using Plasmon-Induced Charge Separation. ECS Meeting Abstracts, 2017, , .	0.0	0
70	Spectroscopic Properties of Gold Curvilinear Nanorod Arrays. Photonics, 2016, 3, 18.	0.9	1
71	Dual Strong Couplings Between TPPS J-Aggregates and Aluminum Plasmonic States. Journal of Physical Chemistry Letters, 2016, 7, 2786-2791.	2.1	32
72	Plasmon-Induced Water Splitting Using Metallic Nanoparticle-Loaded Photocatalysts and Photoelectrodes. ChemPhysChem, 2016, 17, 199-215.	1.0	54

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73	Selective Dinitrogen Conversion to Ammonia Using Water and Visible Light through Plasmon-Induced Charge Separation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3942-3946.	7.2	230
74	Selective Dinitrogen Conversion to Ammonia Using Water and Visible Light through Plasmon-Induced Charge Separation. <i>Angewandte Chemie</i> , 2016, 128, 4010-4014.	1.6	83
75	Surface plasmon optical antennae in the infrared region with high resonant efficiency and frequency selectivity. <i>Optics Express</i> , 2016, 24, 17728.	1.7	7
76	Cobalt Oxide (CoO) as an Efficient Hole-Extracting Layer for High-Performance Inverted Planar Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33592-33600.	4.0	122
77	Exploring Coupled Plasmonic Nanostructures in the Near Field by Photoemission Electron Microscopy. <i>ACS Nano</i> , 2016, 10, 10373-10381.	7.3	51
78	Plasmon-Induced Water Splitting Using Metallic Nanoparticle-Loaded Photocatalysts and Photoelectrodes. <i>ChemPhysChem</i> , 2016, 17, 194-194.	1.0	1
79	Dissecting the Few-Femtosecond Dephasing Time of Dipole and Quadrupole Modes in Gold Nanoparticles Using Polarized Photoemission Electron Microscopy. <i>ACS Nano</i> , 2016, 10, 3835-3842.	7.3	100
80	Properties of Plasmon-Induced Photoelectric Conversion on a TiO ₂ /NiO p-n Junction with Au Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1004-1009.	2.1	71
81	Plasmon-enhanced Water Splitting Utilizing the Heterojunction Synergistic Effect between SrTiO ₃ and Rutile-TiO ₂ . <i>Chemistry Letters</i> , 2015, 44, 618-620.	0.7	8
82	Surface-enhanced terahertz spectroscopy using gold rod structures resonant with terahertz waves. <i>Optics Express</i> , 2015, 23, 28584.	1.7	20
83	Plasmon-enhanced light energy conversion using gold nanostructured oxide semiconductor photoelectrodes. <i>Pure and Applied Chemistry</i> , 2015, 87, 547-555.	0.9	2
84	Plasmon-induced artificial photosynthesis. <i>Interface Focus</i> , 2015, 5, 20140082.	1.5	7
85	Cocatalyst Effects on Hydrogen Evolution in a Plasmon-Induced Water-Splitting System. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8889-8897.	1.5	38
86	Plasmon-Induced Ammonia Synthesis through Nitrogen Photofixation with Visible Light Irradiation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9802-9805.	7.2	211
87	Plasmon modes in single gold nanodiscs. <i>Optics Express</i> , 2014, 22, 12189.	1.7	35
88	Surface-enhanced Raman scattering of crystal violets from periodic array of gold nanocylinders. <i>Journal of Modern Optics</i> , 2014, 61, 1231-1235.	0.6	8
89	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.	7.2	119
90	Photoelectrochemical Behavior of Self-Assembled Ag/Co Plasmonic Nanostructures Capped with TiO ₂ . <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 25-29.	2.1	10

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91	Surface-Plasmon-Mediated Programmable Optical Nanofabrication of an Oriented Silver Nanoplate. ACS Nano, 2014, 8, 6682-6692.	7.3	49
92	Robust and Versatile Light Absorption at Near-Infrared Wavelengths by Plasmonic Aluminum Nanorods. ACS Photonics, 2014, 1, 538-546.	3.2	93
93	Construction of Plasmon-Induced Artificial Photosynthesis and its Dynamics Measured by PEEM. Hyomen Kagaku, 2014, 35, 668-673.	0.0	0
94	Optical Field Imaging of Elongated Rectangular Nanovoids in Gold Thin Film. Journal of Physical Chemistry C, 2013, 117, 2449-2454.	1.5	5
95	Optical properties of gold nano-bowtie structures. Optics Communications, 2013, 294, 213-217.	1.0	20
96	Toward Nanostructure-Enhanced Photoenergy Conversion in the Plasmonic Chemical Reaction Field. Journal of Physical Chemistry C, 2013, 117, 2433-2434.	1.5	2
97	Direct imaging of the near field and dynamics of surface plasmon resonance on gold nanostructures using photoemission electron microscopy. Light: Science and Applications, 2013, 2, e118-e118.	7.7	130
98	Plasmon-Enhanced Photocurrent Generation and Water Oxidation with a Gold Nanoparticle-Loaded Titanium Dioxide Photoelectrode. Journal of Physical Chemistry C, 2013, 117, 2494-2499.	1.5	96
99	Spectral properties and electromagnetic field enhancement effects on nano-engineered metallic nanoparticles. Physical Chemistry Chemical Physics, 2013, 15, 4093.	1.3	29
100	Surface plasmon-enhanced photochemical reactions. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2013, 15, 31-52.	5.6	189
101	Single Molecule Dynamics at a Mechanically Controllable Break Junction in Solution at Room Temperature. Journal of the American Chemical Society, 2013, 135, 1009-1014.	6.6	138
102	Improvement of Plasmon-Enhanced Photocurrent Generation by Interference of TiO ₂ Thin Film. Journal of Physical Chemistry C, 2013, 117, 24733-24739.	1.5	29
103	Plasmon-enhanced photocurrent generation and water oxidation from visible to near-infrared wavelengths. NPC Asia Materials, 2013, 5, e61-e61.	3.8	71
104	Near Infrared Fluorescence Enhancement by Local Surface Plasmon Resonance from Arrayed Gold Nanoblocks. Optics and Photonics Journal, 2013, 03, 27-31.	0.3	11
105	In situ investigation of the shrinkage of photopolymerized micro/nanostructures: the effect of the drying process. Optics Letters, 2012, 37, 710.	1.7	24
106	Photonic Crystal Nanolaser Biosensors. IEICE Transactions on Electronics, 2012, E95-C, 188-198.	0.3	13
107	Fabrication of Nanoengineered Metallic Structures and Their Application to Nonlinear Photochemical Reactions. Bulletin of the Chemical Society of Japan, 2012, 85, 843-853.	2.0	7
108	Near-Infrared Plasmon-Assisted Water Oxidation. Journal of Physical Chemistry Letters, 2012, 3, 1248-1252.	2.1	183

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109	Effect of Dipole Coupling on Near-IR LSPR and Coherent Phonon Vibration of Periodic Gold Pair Nanocuboids. <i>Journal of Physical Chemistry C</i> , 2012, 116, 17838-17846.	1.5	24
110	Quantitative Measurement of the Near-Field Enhancement of Nanostructures by Two-Photon Polymerization. <i>Langmuir</i> , 2012, 28, 9041-9046.	1.6	28
111	Enhancement of a Two-Photon-Induced Reaction in Solution Using Light-Harvesting Gold Nanodimer Structures. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1443-1447.	2.1	41
112	Surface plasmon-enhanced molecular fluorescence induced by gold nanostructures. <i>Annalen Der Physik</i> , 2012, 524, 733-740.	0.9	14
113	Improving Surface Plasmon Detection in Gold Nanostructures Using a Multi-Polarization Spectral Integration Method. <i>Advanced Materials</i> , 2012, 24, OP253-9.	11.1	23
114	Effect of the distance between adherent mesenchymal stem cell and the focus of irradiation of femtosecond laser on cell replication capacity. <i>Cytotechnology</i> , 2012, 64, 323-329.	0.7	3
115	Far-Field Focusing of Spiral Plasmonic Lens. <i>Plasmonics</i> , 2012, 7, 377-381.	1.8	13
116	Fabrication of periodical structure and shape-induced modulating spectroscopy of Au nanoparticles. <i>Optics Communications</i> , 2012, 285, 2472-2477.	1.0	9
117	Localization of Acetylcholine-Related Molecules in the Retina: Implication of the Communication from Photoreceptor to Retinal Pigment Epithelium. <i>PLoS ONE</i> , 2012, 7, e42841.	1.1	24
118	Photoluminescence enhancement induced from silver nanoparticles in Tb ³⁺ -doped glass ceramics. <i>Chinese Optics Letters</i> , 2012, 10, 092401-92403.	1.3	4
119	Plasmon-assisted nanolithography exposed by femtosecond laser beam through gold nanostructured photomasks. , 2012, , .		0
120	Modifying Plasmonic Spectral Properties of Engineered Silver Nanoblocks by Using Titanium Coating. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1216-1218.	1.3	1
121	Plasmonic Antenna Effects on Photochemical Reactions. <i>Accounts of Chemical Research</i> , 2011, 44, 251-260.	7.6	97
122	Anomalous Light Transmission from Plasmonic-Capped Nanoapertures. <i>Nano Letters</i> , 2011, 11, 960-965.	4.5	32
123	Essential nanogap effects on surface-enhanced Raman scattering signals from closely spaced gold nanoparticles. <i>Chemical Communications</i> , 2011, 47, 3505.	2.2	86
124	Plasmon-induced local photocurrent changes in GaAs photovoltaic cells modified with gold nanospheres: A near-field imaging study. <i>Journal of Applied Physics</i> , 2011, 110, 104306.	1.1	7
125	Spectral properties of nanoengineered Ag/Au bilayer rods fabricated by electron beam lithography. <i>Applied Optics</i> , 2011, 50, 5600.	2.1	14
126	Observation of Autler-Townes splitting in six-wave mixing. <i>Optics Express</i> , 2011, 19, 7726.	1.7	39

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127	Spectral properties and mechanism of instability of nanoengineered silver blocks. Optics Express, 2011, 19, 10640.	1.7	26
128	Super-sensitivity in label-free protein sensing using a nanoslot nanolaser. Optics Express, 2011, 19, 17683.	1.7	79
129	Femtosecond and picosecond near-field ablation of gold nanotriangles: nanostructuring and nanomelting. Applied Physics A: Materials Science and Processing, 2011, 104, 793-799.	1.1	20
130	Visualization of Near-Field Enhancements of Gold Triangles by Nonlinear Photopolymerization. Plasmonics, 2011, 6, 207-212.	1.8	24
131	Highly Controlled Surface-Enhanced Raman Scattering Chips Using Nanoengineered Gold Blocks. Small, 2011, 7, 252-258.	5.2	59
132	A simultaneous space sampling method for DNA fraction collection using a comb structure in microfluidic devices. Electrophoresis, 2011, 32, 3392-3398.	1.3	3
133	Hybrid-State Dynamics of Gold Nanorods/Dye Aggregate under Strong Coupling. Angewandte Chemie - International Edition, 2011, 50, 7824-7828.	7.2	48
134	On-chip fraction collection for multiple selected ssDNA fragments using isolated extraction channels. Journal of Chromatography A, 2011, 1218, 997-1003.	1.8	6
135	Plasmon coupling and coherent acoustic phonon dynamics of periodic gold pair nanocuboids by near-IR transient absorption spectroscopy. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 164-168.	2.0	7
136	Protein crystallization induced by strong photons-molecules coupling fields photochemical reaction. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 268-272.	2.0	9
137	Photochemical reaction fields with strong coupling between a photon and a molecule. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 130-137.	2.0	19
138	Spatial polarization sensitivity of single Au bowtie nanostructures. Journal of Luminescence, 2011, 131, 1971-1974.	1.5	15
139	Fabrication of a Au/Si nanocomposite structure by nanosecond pulsed laser irradiation. Nanotechnology, 2011, 22, 375607.	1.3	18
140	Homogeneous nano-patterning using plasmon-assisted photolithography. Applied Physics Letters, 2011, 99, .	1.5	31
141	Real-time imaging of acoustic rectification. Applied Physics Letters, 2011, 99, .	1.5	31
142	Polarization Dependence for Enhancement of Near-Infrared Fluorescence Intensity by Local Surface Plasmon Resonance from Arranged Gold Nanoblocks. Molecular Crystals and Liquid Crystals, 2011, 538, 265-271.	0.4	5
143	Development of Interdigitated Array Electrodes with Surface-enhanced Raman Scattering Functionality. Analytical Sciences, 2010, 26, 13-18.	0.8	27
144	Redox Cycling Effect on the Surface-enhanced Raman Scattering Signal of Crystal Violet Molecules at Nanostructured Interdigitated Array Electrodes. Analytical Sciences, 2010, 26, 19-24.	0.8	10

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145	Near-infrared Fluorescence Enhancement by Regularly Arranged Gold Nanoblocks. <i>Chemistry Letters</i> , 2010, 39, 1218-1219.	0.7	12
146	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.	2.1	425
147	Influence of laser microfabrication on silicon electrochemical behavior in HF solution. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 797-802.	1.2	9
148	Influence of localized surface plasmon resonance on shape changes of nanostructures: Investigation using metal nanoblocks in halide solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 212, 20-26.	2.0	2
149	Flexible Nanowiring of Metal on Nonplanar Substrates by Femtosecond Laser-Induced Electroless Plating. <i>Small</i> , 2010, 6, 1762-1766.	5.2	114
150	Nano-Patterning of a TiO ₂ -Organic Hybrid Material Assisted by a Localized Surface Plasmon. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1634-1638.	1.9	6
151	Fabrication of micro- and nanostructures in thin metallic films by femtosecond laser ablation. <i>Proceedings of SPIE</i> , 2010, , .	0.8	4
152	Femtosecond laser photopolymerization of photonic and free-movable microstructures in sol-gel hybrid resist. <i>Proceedings of SPIE</i> , 2010, , .	0.8	3
153	Freestanding and movable photonic microstructures fabricated by photopolymerization with femtosecond laser pulses. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 035004.	1.5	48
154	Modification of refractive index by a single femtosecond pulse confined inside a bulk of a photorefractive crystal. <i>Physical Review B</i> , 2010, 81, .	1.1	38
155	Pulse duration dependent nonlinear propagation of a focused femtosecond laser pulse in fused silica. <i>Optics Express</i> , 2010, 18, 24495.	1.7	20
156	Vibrations of microspheres probed with ultrashort optical pulses: erratum. <i>Optics Letters</i> , 2010, 35, 940.	1.7	3
157	Nanogap-Assisted Surface Plasmon Nanolithography. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 657-662.	2.1	94
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159	Optical and ultrasonic signatures of femtosecond pulse filamentation in fused silica. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	18
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