

Kosei Ueno

List of Publications by Year in descending order

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169
papers

6,733
citations

61857

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179
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docs citations

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times ranked

7693
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Nanoparticle Plasmon-Assisted Two-Photon Polymerization Induced by Incoherent Excitation Source. <i>Journal of the American Chemical Society</i> , 2008, 130, 6928-6929.	6.6	314
3	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
4	Enhanced water splitting under modal strong coupling conditions. <i>Nature Nanotechnology</i> , 2018, 13, 953-958.	15.6	216
5	Plasmon-Induced Ammonia Synthesis through Nitrogen Photofixation with Visible Light Irradiation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9802-9805.	7.2	211
6	Surface plasmon-enhanced photochemical reactions. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2013, 15, 31-52.	5.6	189
7	Near-Infrared Plasmon-Assisted Water Oxidation. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1248-1252.	2.1	183
8	Solid-State Plasmonic Solar Cells. <i>Chemical Reviews</i> , 2018, 118, 2955-2993.	23.0	182
9	Clusters of Closely Spaced Gold Nanoparticles as a Source of Two-Photon Photoluminescence at Visible Wavelengths. <i>Advanced Materials</i> , 2008, 20, 26-30.	11.1	168
10	Single Molecule Dynamics at a Mechanically Controllable Break Junction in Solution at Room Temperature. <i>Journal of the American Chemical Society</i> , 2013, 135, 1009-1014.	6.6	138
11	Direct imaging of the near field and dynamics of surface plasmon resonance on gold nanostructures using photoemission electron microscopy. <i>Light: Science and Applications</i> , 2013, 2, e118-e118.	7.7	130
12	Cobalt Oxide (CoO _x) 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
13	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
14	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
15	Plasmonic Antenna Effects on Photochemical Reactions. <i>Accounts of Chemical Research</i> , 2011, 44, 251-260.	7.6	97
16	Plasmon-Enhanced Photocurrent Generation and Water Oxidation with a Gold Nanoisland-Loaded Titanium Dioxide Photoelectrode. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2494-2499.	1.5	96
17	Nanogap-Assisted Surface Plasmon Nanolithography. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 657-662.	2.1	94
18	Robust and Versatile Light Absorption at Near-Infrared Wavelengths by Plasmonic Aluminum Nanorods. <i>ACS Photonics</i> , 2014, 1, 538-546.	3.2	93

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19	Optical properties of nanoengineered gold blocks. <i>Optics Letters</i> , 2005, 30, 2158.	1.7	89
20	Essential nanogap effects on surface-enhanced Raman scattering signals from closely spaced gold nanoparticles. <i>Chemical Communications</i> , 2011, 47, 3505.	2.2	86
21	Inverse silica opal photonic crystals for optical sensing applications. <i>Optics Express</i> , 2007, 15, 12979.	1.7	85
22	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
23	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
24	Photocyanation of pyrene across an oil/water interface in a polymer microchannel chip. <i>Lab on A Chip</i> , 2002, 2, 231.	3.1	82
25	Spectrally-Resolved Atomic-Scale Length Variations of Gold Nanorods. <i>Journal of the American Chemical Society</i> , 2006, 128, 14226-14227.	6.6	82
26	Three-Dimensional Micro- and Nano-Structuring of Materials by Tightly Focused Laser Radiation. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 411-448.	2.0	78
27	Fabrication and electrochemical characterization of interdigitated nanoelectrode arrays. <i>Electrochemistry Communications</i> , 2005, 7, 161-165.	2.3	77
28	Nanoparticle-Enhanced Photopolymerization. <i>Journal of Physical Chemistry C</i> , 2009, 113, 11720-11724.	1.5	75
29	Spatially-Resolved Fluorescence Spectroscopic Study on Liquid/Liquid Extraction Processes in Polymer Microchannels. <i>Analytical Sciences</i> , 2000, 16, 871-876.	0.8	72
30	Spatially Selective Nonlinear Photopolymerization Induced by the Near-Field of Surface Plasmons Localized on Rectangular Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2009, 113, 1147-1149.	1.5	72
31	Plasmon-enhanced photocurrent generation and water oxidation from visible to near-infrared wavelengths. <i>NPG Asia Materials</i> , 2013, 5, e61-e61.	3.8	71
32	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
33	Spectral Sensitivity of Uniform Arrays of Gold Nanorods to Dielectric Environment. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4180-4184.	1.5	69
34	Interplay of hot electrons from localized and propagating plasmons. <i>Nature Communications</i> , 2017, 8, 771.	5.8	64
35	Characteristic Electrochemical Responses of Polymer Microchannel- μ Microelectrode Chips. <i>Analytical Chemistry</i> , 2003, 75, 2086-2091.	3.2	63
36	Highly Sensitive Aluminum-Based Biosensors using Tailorable Fano Resonances in Capped Nanostructures. <i>Scientific Reports</i> , 2017, 7, 44104.	1.6	62

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37	Highly Controlled Surface-Enhanced Raman Scattering Chips Using Nanoengineered Gold Blocks. <i>Small</i> , 2011, 7, 252-258.	5.2	59
38	Optimization of a compact layer of TiO ₂ via atomic-layer deposition for high-performance perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 2017, 1, 1533-1540.	2.5	59
39	Plasmon-Induced Water Splitting Using Metallic Nanoparticle-Loaded Photocatalysts and Photoelectrodes. <i>ChemPhysChem</i> , 2016, 17, 199-215.	1.0	54
40	Exploring Coupled Plasmonic Nanostructures in the Near Field by Photoemission Electron Microscopy. <i>ACS Nano</i> , 2016, 10, 10373-10381.	7.3	51
41	Versatile plasmonic-effects at the interface of inverted perovskite solar cells. <i>Nanoscale</i> , 2017, 9, 1229-1236.	2.8	50
42	Surface-Plasmon-Mediated Programmable Optical Nanofabrication of an Oriented Silver Nanoplate. <i>ACS Nano</i> , 2014, 8, 6682-6692.	7.3	49
43	Hybrid-State Dynamics of Gold Nanorods/Dye Aggregates under Strong Coupling. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7824-7828.	7.2	48
44	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
45	Observation of Autler-Townes splitting in six-wave mixing. <i>Optics Express</i> , 2011, 19, 7726.	1.7	39
46	Photoinduced Copper-Catalyzed Asymmetric Acylation of Allylic Phosphates with Acylsilanes. <i>Journal of the American Chemical Society</i> , 2022, 144, 2218-2224.	6.6	39
47	Enhanced Two-Photon Absorption of Chromophores Confined in Two-Dimensional Nanospace. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11193-11198.	1.5	38
48	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
49	Nano-textured metallic surfaces for optical sensing and detection applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 207, 126-134.	2.0	36
50	Twisted Surface Plasmons with Spin-Controlled Gold Surfaces. <i>Advanced Optical Materials</i> , 2019, 7, 1801060.	3.6	36
51	Plasmon modes in single gold nanodiscs. <i>Optics Express</i> , 2014, 22, 12189.	1.7	35
52	Fabrication and Characteristic Responses of Integrated Microelectrodes in Polymer Channel Chip. <i>Chemistry Letters</i> , 2000, 29, 858-859.	0.7	33
53	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
54	Anomalous Light Transmission from Plasmonic-Capped Nanoapertures. <i>Nano Letters</i> , 2011, 11, 960-965.	4.5	32

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55	Dual Strong Couplings Between TPPS J-Aggregates and Aluminum Plasmonic States. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2786-2791.	2.1	32
56	Science of 2.5 dimensional materials: paradigm shift of materials science toward future social innovation. <i>Science and Technology of Advanced Materials</i> , 2022, 23, 275-299.	2.8	32
57	Photodecomposition of phenol by silica-supported porphyrin derivative in polymer microchannel chips. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 170-176.	2.0	31
58	Homogeneous nano-patterning using plasmon-assisted photolithography. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	31
59	Real-time imaging of acoustic rectification. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	31
60	Tunable single-mode photonic lasing from zirconia inverse opal photonic crystals. <i>Optics Express</i> , 2008, 16, 13676.	1.7	29
61	Spectral properties and electromagnetic field enhancement effects on nano-engineered metallic nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4093.	1.3	29
62	Improvement of Plasmon-Enhanced Photocurrent Generation by Interference of TiO ₂ Thin Film. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24733-24739.	1.5	29
63	Correlation between Near-Field Enhancement and Dephasing Time in Plasmonic Dimers. <i>Physical Review Letters</i> , 2020, 124, 163901.	2.9	29
64	Thermal Phase Transition of an Aqueous Poly(N-isopropylacrylamide) Solution in a Polymer Microchannel-Microheater Chip. <i>Langmuir</i> , 2003, 19, 8484-8489.	1.6	28
65	Segregation of Molecules in Lipid Bilayer Spreading through Metal Nanogates. <i>Analytical Chemistry</i> , 2009, 81, 699-704.	3.2	28
66	Quantitative Measurement of the Near-Field Enhancement of Nanostructures by Two-Photon Polymerization. <i>Langmuir</i> , 2012, 28, 9041-9046.	1.6	28
67	Water splitting using a three-dimensional plasmonic photoanode with titanium dioxide nano-tunnels. <i>Green Chemistry</i> , 2017, 19, 2398-2405.	4.6	28
68	Development of Interdigitated Array Electrodes with Surface-enhanced Raman Scattering Functionality. <i>Analytical Sciences</i> , 2010, 26, 13-18.	0.8	27
69	Spectral properties and mechanism of instability of nanoengineered silver blocks. <i>Optics Express</i> , 2011, 19, 10640.	1.7	26
70	Visible-Light-Driven α -Allylation of Carboxylic Acids. <i>ACS Catalysis</i> , 2021, 11, 9722-9728.	5.5	26
71	Visualization of Near-Field Enhancements of Gold Triangles by Nonlinear Photopolymerization. <i>Plasmonics</i> , 2011, 6, 207-212.	1.8	24
72	In situ investigation of the shrinkage of photopolymerized micro/nanostructures: the effect of the drying process. <i>Optics Letters</i> , 2012, 37, 710.	1.7	24

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73	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
74	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
75	Near-field spectral properties of coupled plasmonic nanoparticle arrays. <i>Optics Express</i> , 2017, 25, 6883.	1.7	23
76	Further enhancement of the near-field on Au nanogap dimers using quasi-dark plasmon modes. <i>Journal of Chemical Physics</i> , 2020, 152, 104706.	1.2	21
77	Pulse duration dependent nonlinear propagation of a focused femtosecond laser pulse in fused silica. <i>Optics Express</i> , 2010, 18, 24495.	1.7	20
78	Femtosecond and picosecond near-field ablation of gold nanotriangles: nanostructuring and nanomelting. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 793-799.	1.1	20
79	Optical properties of gold nano-bowtie structures. <i>Optics Communications</i> , 2013, 294, 213-217.	1.0	20
80	Surface-enhanced terahertz spectroscopy using gold rod structures resonant with terahertz waves. <i>Optics Express</i> , 2015, 23, 28584.	1.7	20
81	Ammonia photosynthesis via an association pathway using a plasmonic photoanode and a zirconium cathode. <i>Green Chemistry</i> , 2019, 21, 4443-4448.	4.6	20
82	Correlation between cell morphology and aggrecan gene expression level during differentiation from mesenchymal stem cells to chondrocytes. <i>Biotechnology Letters</i> , 2008, 30, 1189-1195.	1.1	19
83	Near-IR vibrational dynamics of periodic gold single and pair nanocuboids. <i>Applied Physics Letters</i> , 2009, 95, 053116.	1.5	19
84	Photochemical reaction fields with strong coupling between a photon and a molecule. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 221, 130-137.	2.0	19
85	Spatial evolution of the near-field distribution on planar gold nanoparticles with the excitation wavelength across dipole and quadrupole modes. <i>Photonics Research</i> , 2017, 5, 187.	3.4	19
86	Channel Shape Effects on the Solution-Flow Characteristics and the Liquid/Liquid Extraction Efficiency in Polymer Microchannel Chips. <i>Analytical Sciences</i> , 2003, 19, 391-394.	0.8	18
87	Inhibition of multipolar plasmon excitation in periodic chains of gold nanoblocks. <i>Optics Express</i> , 2007, 15, 16527.	1.7	18
88	Nano-Structured Materials in Plasmonics and Photonics. <i>Current Nanoscience</i> , 2008, 4, 232-235.	0.7	18
89	Lasing with well-defined cavity modes in dye-infiltrated silica inverse opals. <i>Optics Express</i> , 2009, 17, 2976.	1.7	18
90	Fabrication of a Au/Si nanocomposite structure by nanosecond pulsed laser irradiation. <i>Nanotechnology</i> , 2011, 22, 375607.	1.3	18

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91	A Fabry-Pérot cavity coupled surface plasmon photodiode for electrical biomolecular sensing. <i>Nature Communications</i> , 2021, 12, 6483.	5.8	18
92	Revealing the plasmon coupling in gold nanochains directly from the near field. <i>Opto-Electronic Advances</i> , 2019, 2, 18003001-18003007.	6.4	17
93	Vibrations of microspheres probed with ultrashort optical pulses. <i>Optics Letters</i> , 2009, 34, 3740.	1.7	16
94	Spatial polarization sensitivity of single Au bowtie nanostructures. <i>Journal of Luminescence</i> , 2011, 131, 1971-1974.	1.5	15
95	Interfacial Structure-Modulated Plasmon-Induced Water Oxidation on Strontium Titanate. <i>ACS Applied Energy Materials</i> , 2020, 3, 5675-5683.	2.5	15
96	Optical characterization of plasmonic metallic nanostructures fabricated by high-resolution lithography. <i>Journal of Nanophotonics</i> , 2007, 1, 011594.	0.4	14
97	Spectral properties of nanoengineered Ag/Au bilayer rods fabricated by electron beam lithography. <i>Applied Optics</i> , 2011, 50, 5600.	2.1	14
98	Surface plasmon-enhanced molecular fluorescence induced by gold nanostructures. <i>Annalen Der Physik</i> , 2012, 524, 733-740.	0.9	14
99	Enhancing Surface Sensitivity of Nanostructure-Based Aluminum Sensors Using Capped Dielectric Layers. <i>ACS Omega</i> , 2017, 2, 7461-7470.	1.6	14
100	An Application of Plastic Microchannel-Microheater Chips to a Thermal Synthetic Reaction. <i>Analytical Sciences</i> , 2004, 20, 783-786.	0.8	13
101	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
102	One-Step Electrochemical Cyanation Reaction of Pyrene in Polymer Microchannel-Electrode Chips. <i>Bulletin of the Chemical Society of Japan</i> , 2004, 77, 1331-1338.	2.0	12
103	Electrophoretic chip for high-fidelity fractionation of double-stranded DNA. <i>Electrophoresis</i> , 2007, 28, 1572-1578.	1.3	12
104	Near-infrared Fluorescence Enhancement by Regularly Arranged Gold Nanoblocks. <i>Chemistry Letters</i> , 2010, 39, 1218-1219.	0.7	12
105	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
106	A spectroelectrochemical study on perylene cation radical in polymer microchannel-microelectrode chips. <i>Analyst</i> , 2003, 128, 1401.	1.7	11
107	Coupled plasmonic systems: controlling the plasmon dynamics and spectral modulations for molecular detection. <i>Nanoscale</i> , 2021, 13, 5187-5201.	2.8	11
108	Near Infrared Fluorescence Enhancement by Local Surface Plasmon Resonance from Arrayed Gold Nanoblocks. <i>Optics and Photonics Journal</i> , 2013, 03, 27-31.	0.3	11

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109	Redox Cycling Effect on the Surface-enhanced Raman Scattering Signal of Crystal Violet Molecules at Nanostructured Interdigitated Array Electrodes. <i>Analytical Sciences</i> , 2010, 26, 19-24.	0.8	10
110	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
111	Exploring the Near-Field of Strongly Coupled Waveguide-Plasmon Modes by Plasmon-Induced Photocurrent Generation Using a Gold Nanograting-Loaded Titanium Dioxide Photoelectrode. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21627-21633.	1.5	10
112	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
113	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
114	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.	2.4	10
115	High-fidelity fractionation of ssDNA fragments differing in size by one-base on a spiral-channel electrophoretic chip. <i>Electrophoresis</i> , 2009, 30, 4277-4284.	1.3	9
116	Protein crystallization induced by strong photons-molecules coupling fields photochemical reaction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 221, 268-272.	2.0	9
117	Fabrication of periodical structure and shape-induced modulating spectroscopy of Au nanoparticles. <i>Optics Communications</i> , 2012, 285, 2472-2477.	1.0	9
118	Efficient Hot-Electron Transfer under Modal Strong Coupling Conditions with Sacrificial Electron Donors. <i>ChemNanoMat</i> , 2019, 5, 1008-1014.	1.5	9
119	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
120	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
121	Near-field spectroscopic properties of complementary gold nanostructures: applicability of Babinet's principle in the optical region. <i>Optics Express</i> , 2017, 25, 5279.	1.7	8
122	Liquid-liquid interface-promoted formation of a porous molecular crystal based on a luminescent platinum(ii) complex. <i>Chemical Communications</i> , 2020, 56, 12989-12992.	2.2	8
123	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
124	Plasmon coupling and coherent acoustic phonon dynamics of periodic gold pair nanocuboids by near-IR transient absorption spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 221, 164-168.	2.0	7
125	Fabrication of Nanoengineered Metallic Structures and Their Application to Nonlinear Photochemical Reactions. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 843-853.	2.0	7
126	Plasmon-induced artificial photosynthesis. <i>Interface Focus</i> , 2015, 5, 20140082.	1.5	7

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127	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
128	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
129	Preparation of photonic molecular trains via soft-crystal polymerization of lanthanide complexes. <i>Nature Communications</i> , 2022, 13, .	5.8	7
130	Electrophoretic chip for fractionation of selective DNA fragment. <i>Electrophoresis</i> , 2008, 29, 3959-3963.	1.3	6
131	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
132	On-chip fraction collection for multiple selected ssDNA fragments using isolated extraction channels. <i>Journal of Chromatography A</i> , 2011, 1218, 997-1003.	1.8	6
133	Plasmon-induced photoelectrochemical biosensor for in situ real-time measurement of biotin-streptavidin binding kinetics under visible light irradiation. <i>Analytica Chimica Acta</i> , 2017, 957, 70-75.	2.6	6
134	Bacterial Concentration Detection using a PCB-based Contactless Conductivity Sensor. <i>Micromachines</i> , 2019, 10, 55.	1.4	6
135	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
136	Polymer Channel Chips as Versatile Tools in Microchemistry. <i>Analytical Sciences</i> , 2008, 24, 701-710.	0.8	5
137	Polarization Dependence for Enhancement of Near-Infrared Fluorescence Intensity by Local Surface Plasmon Resonance from Arranged Gold Nanoblocks. <i>Molecular Crystals and Liquid Crystals</i> , 2011, 538, 265-271.	0.4	5
138	Optical Field Imaging of Elongated Rectangular Nanovoids in Gold Thin Film. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2449-2454.	1.5	5
139	Exotic Mode Suppression in Plasmonic Heterotrimer System. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1398-1405.	1.5	5
140	Dumbbell-Shaped 2,2'-Bipyridines: Controlled Metal Monochelation and Application to Ni-Catalyzed Cross-Couplings. <i>Chemistry - A European Journal</i> , 2021, 27, 2289-2293.	1.7	5
141	Raman Microspectroscopy/Imaging Study on Phase-Vanishing Processes of Fluorous Biphasic Systems in Microchannel-Microheater Chips. <i>Analytical Sciences</i> , 2006, 22, 1283-1289.	0.8	4
142	Photoluminescence enhancement induced from silver nanoparticles in Tb ³⁺ -doped glass ceramics. <i>Chinese Optics Letters</i> , 2012, 10, 092401-92403.	1.3	4
143	Vibrations of microspheres probed with ultrashort optical pulses: erratum. <i>Optics Letters</i> , 2010, 35, 940.	1.7	3
144	A simultaneous space sampling method for DNA fraction collection using a comb structure in microfluidic devices. <i>Electrophoresis</i> , 2011, 32, 3392-3398.	1.3	3

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145	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
146	On-chip MIC by Combining Concentration Gradient Generator and Flanged Chamber Arrays. <i>Micromachines</i> , 2020, 11, 207.	1.4	3
147	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
148	Fabrication and Chemical Applications of Polymer Microchannel Chips. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2001, 121, 169-174.	0.0	3
149	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
150	Precisely controlled plasmonic nanostructures and its application to nanolithography. , 2013, , .		2
151	Plasmon-enhanced light energy conversion using gold nanostructured oxide semiconductor photoelectrodes. <i>Pure and Applied Chemistry</i> , 2015, 87, 547-555.	0.9	2
152	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
153	Strong Photon-Molecule Coupling Fields for Chemical Reactions. , 2011, , 228-255.		2
154	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
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