

Kosei Ueno

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163
papers

5,483
citations

42
h-index

68
g-index

179
ext. papers

6,129
ext. citations

6.4
avg, IF

5.89
L-index

#	Paper	IF	Citations
163	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
162	Nanoparticle plasmon-assisted two-photon polymerization induced by incoherent excitation source. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6928-9	16.4	286
161	Selective Dinitrogen Conversion to Ammonia Using Water and Visible Light through Plasmon-induced Charge Separation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3942-6	16.4	183
160	Plasmon-induced ammonia synthesis through nitrogen photofixation with visible light irradiation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9802-5	16.4	175
159	Surface plasmon-enhanced photochemical reactions. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2013 , 15, 31-52	16.4	155
158	Near-Infrared Plasmon-Assisted Water Oxidation. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1248-52	6.4	152
157	Clusters of Closely Spaced Gold Nanoparticles as a Source of Two-Photon Photoluminescence at Visible Wavelengths. <i>Advanced Materials</i> , 2008 , 20, 26-30	24	151
156	Enhanced water splitting under modal strong coupling conditions. <i>Nature Nanotechnology</i> , 2018 , 13, 953-958	28.7	135
155	Solid-State Plasmonic Solar Cells. <i>Chemical Reviews</i> , 2018 , 118, 2955-2993	68.1	127
154	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
153	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	16.7	108
152	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
151	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	9.5	94
150	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	3.8	84
149	Plasmonic antenna effects on photochemical reactions. <i>Accounts of Chemical Research</i> , 2011 , 44, 251-60	24.3	82
148	Optical properties of nanoengineered gold blocks. <i>Optics Letters</i> , 2005 , 30, 2158-60	3	81
147	Inverse silica opal photonic crystals for optical sensing applications. <i>Optics Express</i> , 2007 , 15, 12979-88	3.3	77

146	Nanogap-Assisted Surface Plasmon Nanolithography. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 657-662	76
145	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, 3835-42	16.7 74
144	Robust and Versatile Light Absorption at Near-Infrared Wavelengths by Plasmonic Aluminum Nanorods. <i>ACS Photonics</i> , 2014 , 1, 538-546	6.3 74
143	Essential nanogap effects on surface-enhanced Raman scattering signals from closely spaced gold nanoparticles. <i>Chemical Communications</i> , 2011 , 47, 3505-7	5.8 73
142	Spectrally-resolved atomic-scale length variations of gold nanorods. <i>Journal of the American Chemical Society</i> , 2006 , 128, 14226-7	16.4 73
141	Photocyanation of pyrene across an oil/water interface in a polymer microchannel chip. <i>Lab on A Chip</i> , 2002 , 2, 231-4	7.2 71
140	Fabrication and electrochemical characterization of interdigitated nanoelectrode arrays. <i>Electrochemistry Communications</i> , 2005 , 7, 161-165	5.1 70
139	Selective Dinitrogen Conversion to Ammonia Using Water and Visible Light through Plasmon-induced Charge Separation. <i>Angewandte Chemie</i> , 2016 , 128, 4010-4014	3.6 69
138	Nanoparticle-Enhanced Photopolymerization. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 11720-11724	3.8 67
137	Spectral Sensitivity of Uniform Arrays of Gold Nanorods to Dielectric Environment. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 4180-4184	3.8 65
136	Spatially-Resolved Fluorescence Spectroscopic Study on Liquid/Liquid Extraction Processes in Polymer Microchannels. <i>Analytical Sciences</i> , 2000 , 16, 871-876	1.7 65
135	Plasmon-enhanced photocurrent generation and water oxidation from visible to near-infrared wavelengths. <i>NPG Asia Materials</i> , 2013 , 5, e61-e61	10.3 64
134	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	3.8 61
133	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	5.1 61
132	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, 1004-9	6.4 58
131	Characteristic electrochemical responses of polymer microchannel-microelectrode chips. <i>Analytical Chemistry</i> , 2003 , 75, 2086-91	7.8 58
130	Highly controlled surface-enhanced Raman scattering chips using nanoengineered gold blocks. <i>Small</i> , 2011 , 7, 252-8	11 54
129	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	5.8 53

128	Manipulation of the dephasing time by strong coupling between localized and propagating surface plasmon modes. <i>Nature Communications</i> , 2018 , 9, 4858	17.4	52
127	Highly Sensitive Aluminum-Based Biosensors using Tailorable Fano Resonances in Capped Nanostructures. <i>Scientific Reports</i> , 2017 , 7, 44104	4.9	48
126	Interplay of hot electrons from localized and propagating plasmons. <i>Nature Communications</i> , 2017 , 8, 771	17.4	44
125	Surface-plasmon-mediated programmable optical nanofabrication of an oriented silver nanoplate. <i>ACS Nano</i> , 2014 , 8, 6682-92	16.7	44
124	Plasmon-Induced Water Splitting Using Metallic-Nanoparticle-Loaded Photocatalysts and Photoelectrodes. <i>ChemPhysChem</i> , 2016 , 17, 199-215	3.2	44
123	Hybrid-state dynamics of gold nanorods/dye J-aggregates under strong coupling. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7824-8	16.4	43
122	Versatile plasmonic-effects at the interface of inverted perovskite solar cells. <i>Nanoscale</i> , 2017 , 9, 1229-1236	17.7	42
121	Enhanced Two-Photon Absorption of Chromophores Confined in Two-Dimensional Nanospace. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11193-11198	3.8	37
120	Exploring Coupled Plasmonic Nanostructures in the Near Field by Photoemission Electron Microscopy. <i>ACS Nano</i> , 2016 , 10, 10373-10381	16.7	36
119	Enhancement of a Two-Photon-Induced Reaction in Solution Using Light-Harvesting Gold Nanodimer Structures. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 1443-7	6.4	35
118	Cocatalyst Effects on Hydrogen Evolution in a Plasmon-Induced Water-Splitting System. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 8889-8897	3.8	34
117	Nano-textured metallic surfaces for optical sensing and detection applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009 , 207, 126-134	4.7	34
116	Hybrid-State Dynamics of Gold Nanorods/Dye J-Aggregates under Strong Coupling. <i>Angewandte Chemie</i> , 2011 , 123, 7970-7974	3.6	32
115	Direct imaging of nanogap-mode plasmon-resonant fields. <i>Optics Express</i> , 2011 , 19, 7726-33	3.3	31
114	Fabrication and Characteristic Responses of Integrated Microelectrodes in Polymer Channel Chip. <i>Chemistry Letters</i> , 2000 , 29, 858-859	1.7	31
113	Anomalous light transmission from plasmonic-capped nanoapertures. <i>Nano Letters</i> , 2011 , 11, 960-5	11.5	30
112	Real-time imaging of acoustic rectification. <i>Applied Physics Letters</i> , 2011 , 99, 201910	3.4	29
111	Tunable single-mode photonic lasing from zirconia inverse opal photonic crystals. <i>Optics Express</i> , 2008 , 16, 13676-84	3.3	28

110	Plasmon-Induced Ammonia Synthesis through Nitrogen Photofixation with Visible Light Irradiation. <i>Angewandte Chemie</i> , 2014 , 126, 9960-9963	3.6	27
109	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	4.7	27
108	Plasmon modes in single gold nanodiscs. <i>Optics Express</i> , 2014 , 22, 12189-99	3.3	26
107	Improvement of Plasmon-Enhanced Photocurrent Generation by Interference of TiO ₂ Thin Film. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 24733-24739	3.8	26
106	Spectral properties and mechanism of instability of nanoengineered silver blocks. <i>Optics Express</i> , 2011 , 19, 10640-6	3.3	26
105	Segregation of molecules in lipid bilayer spreading through metal nanogates. <i>Analytical Chemistry</i> , 2009 , 81, 699-704	7.8	25
104	Dual Strong Couplings Between TPPS J-Aggregates and Aluminum Plasmonic States. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2786-91	6.4	25
103	Twisted Surface Plasmons with Spin-Controlled Gold Surfaces. <i>Advanced Optical Materials</i> , 2019 , 7, 1801860		25
102	Spectral properties and electromagnetic field enhancement effects on nano-engineered metallic nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 4093-9	3.6	24
101	Quantitative measurement of the near-field enhancement of nanostructures by two-photon polymerization. <i>Langmuir</i> , 2012 , 28, 9041-6	4	24
100	Homogeneous nano-patterning using plasmon-assisted photolithography. <i>Applied Physics Letters</i> , 2011 , 99, 011107	3.4	24
99	Thermal Phase Transition of an Aqueous Poly(N-isopropylacrylamide) Solution in a Polymer Microchannel-Microheater Chip. <i>Langmuir</i> , 2003 , 19, 8484-8489	4	24
98	Water splitting using a three-dimensional plasmonic photoanode with titanium dioxide nano-tunnels. <i>Green Chemistry</i> , 2017 , 19, 2398-2405	10	23
97	Plasmon-Assisted Water Splitting Using Two Sides of the Same SrTiO ₃ Single-Crystal Substrate: Conversion of Visible Light to Chemical Energy. <i>Angewandte Chemie</i> , 2014 , 126, 10518-10522	3.6	23
96	Visualization of Near-Field Enhancements of Gold Triangles by Nonlinear Photopolymerization. <i>Plasmonics</i> , 2011 , 6, 207-212	2.4	23
95	Development of interdigitated array electrodes with surface-enhanced Raman scattering functionality. <i>Analytical Sciences</i> , 2010 , 26, 13-8	1.7	22
94	Improving surface plasmon detection in gold nanostructures using a multi-polarization spectral integration method. <i>Advanced Materials</i> , 2012 , 24, OP253-9	24	19
93	Near-IR vibrational dynamics of periodic gold single and pair nanocuboids. <i>Applied Physics Letters</i> , 2009 , 95, 053116	3.4	19

92	Optical properties of gold nano-bowtie structures. <i>Optics Communications</i> , 2013 , 294, 213-217	2	18
91	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	2.6	18
90	Correlation between cell morphology and aggrecan gene expression level during differentiation from mesenchymal stem cells to chondrocytes. <i>Biotechnology Letters</i> , 2008 , 30, 1189-95	3	18
89	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	3.8	17
88	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	4.7	17
87	Fabrication of a Au/Si nanocomposite structure by nanosecond pulsed laser irradiation. <i>Nanotechnology</i> , 2011 , 22, 375607	3.4	17
86	Lasing with well-defined cavity modes in dye-infiltrated silica inverse opals. <i>Optics Express</i> , 2009 , 17, 2976-83	3.3	17
85	Inhibition of multipolar plasmon excitation in periodic chains of gold nanoblocks. <i>Optics Express</i> , 2007 , 15, 16527-39	3.3	17
84	Channel shape effects on the solution-flow characteristics and the liquid/liquid extraction efficiency in polymer microchannel chips. <i>Analytical Sciences</i> , 2003 , 19, 391-4	1.7	17
83	Pulse duration dependent nonlinear propagation of a focused femtosecond laser pulse in fused silica. <i>Optics Express</i> , 2010 , 18, 24495-503	3.3	16
82	In situ investigation of the shrinkage of photopolymerized micro/nanostructures: the effect of the drying process. <i>Optics Letters</i> , 2012 , 37, 710-2	3	16
81	Control of plasmon dephasing time using stacked nanogap gold structures for strong near-field enhancement. <i>Applied Materials Today</i> , 2019 , 14, 159-165	6.6	16
80	Ammonia photosynthesis via an association pathway using a plasmonic photoanode and a zirconium cathode. <i>Green Chemistry</i> , 2019 , 21, 4443-4448	10	15
79	Near-field spectral properties of coupled plasmonic nanoparticle arrays. <i>Optics Express</i> , 2017 , 25, 6883-6894	3.3	15
78	Surface-enhanced terahertz spectroscopy using gold rod structures resonant with terahertz waves. <i>Optics Express</i> , 2015 , 23, 28584-92	3.3	15
77	Vibrations of microspheres probed with ultrashort optical pulses. <i>Optics Letters</i> , 2009 , 34, 3740-2	3	15
76	Nano-Structured Materials in Plasmonics and Photonics. <i>Current Nanoscience</i> , 2008 , 4, 232-235	1.4	15
75	Revealing the plasmon coupling in gold nanochains directly from the near field. <i>Opto-Electronic Advances</i> , 2019 , 2, 18003001-18003007	6.5	15

74	Spatial polarization sensitivity of single Au bowtie nanostructures. <i>Journal of Luminescence</i> , 2011 , 131, 1971-1974	3.8	14
73	Spectral properties of nanoengineered Ag/Au bilayer rods fabricated by electron beam lithography. <i>Applied Optics</i> , 2011 , 50, 5600-5	0.2	13
72	An application of plastic microchannel-microheater chips to a thermal synthetic reaction. <i>Analytical Sciences</i> , 2004 , 20, 783-6	1.7	13
71	Correlation between Near-Field Enhancement and Dephasing Time in Plasmonic Dimers. <i>Physical Review Letters</i> , 2020 , 124, 163901	7.4	12
70	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	6	12
69	Surface plasmon-enhanced molecular fluorescence induced by gold nanostructures. <i>Annalen Der Physik</i> , 2012 , 524, 733-740	2.6	12
68	Near-infrared Fluorescence Enhancement by Regularly Arranged Gold Nanoblocks. <i>Chemistry Letters</i> , 2010 , 39, 1218-1219	1.7	12
67	Optical characterization of plasmonic metallic nanostructures fabricated by high-resolution lithography. <i>Journal of Nanophotonics</i> , 2007 , 1, 011594	1.1	12
66	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	5.1	12
65	A spectroelectrochemical study on perylene cation radical in polymer microchannel-microelectrode chips. <i>Analyst, The</i> , 2003 , 128, 1401-5	5	11
64	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
63	Photoelectrochemical Behavior of Self-Assembled Ag/Co Plasmonic Nanostructures Capped with TiO ₂ . <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 25-9	6.4	10
62	Enhancing Surface Sensitivity of Nanostructure-Based Aluminum Sensors Using Capped Dielectric Layers. <i>ACS Omega</i> , 2017 , 2, 7461-7470	3.9	10
61	Electrophoretic chip for high-fidelity fractionation of double-stranded DNA. <i>Electrophoresis</i> , 2007 , 28, 1572-8	3.6	10
60	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	3.8	9
59	High-fidelity fractionation of ssDNA fragments differing in size by one-base on a spiral-channel electrophoretic chip. <i>Electrophoresis</i> , 2009 , 30, 4277-84	3.6	9
58	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	1.7	9
57	Efficient Hot-Electron Transfer under Modal Strong Coupling Conditions with Sacrificial Electron Donors. <i>ChemNanoMat</i> , 2019 , 5, 1008-1014	3.5	8

56	Fabrication of periodical structure and shape-induced modulating spectroscopy of Au nanoparticles. <i>Optics Communications</i> , 2012 , 285, 2472-2477	2	8
55	Near-field spectroscopic properties of complementary gold nanostructures: applicability of Babinet's principle in the optical region. <i>Optics Express</i> , 2017 , 25, 5279-5289	3.3	8
54	Protein crystallization induced by strong photon-molecules coupling fields photochemical reaction. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 221, 268-272	4.7	8
53	Plasmon-induced artificial photosynthesis. <i>Interface Focus</i> , 2015 , 5, 20140082	3.9	7
52	Further enhancement of the near-field on Au nanogap dimers using quasi-dark plasmon modes. <i>Journal of Chemical Physics</i> , 2020 , 152, 104706	3.9	7
51	Interfacial Structure-Modulated Plasmon-Induced Water Oxidation on Strontium Titanate. <i>ACS Applied Energy Materials</i> , 2020 , 3, 5675-5683	6.1	7
50	Surface plasmon optical antennae in the infrared region with high resonant efficiency and frequency selectivity. <i>Optics Express</i> , 2016 , 24, 17728-37	3.3	7
49	Surface-enhanced Raman scattering of crystal violets from periodic array of gold nanocylinders. <i>Journal of Modern Optics</i> , 2014 , 61, 1231-1235	1.1	7
48	Plasmon-enhanced Water Splitting Utilizing the Heterojunction Synergistic Effect between SrTiO ₃ and Rutile-TiO ₂ . <i>Chemistry Letters</i> , 2015 , 44, 618-620	1.7	7
47	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	5.1	7
46	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	4.7	7
45	Photoinduced Copper-Catalyzed Asymmetric Acylation of Allylic Phosphates with Acylsilanes. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	7
44	Ultrabroad and Angle Tunable THz Filter Based on Multiplexed Metallic Bar Resonators. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 2103-2106	2.2	7
43	Injection compression molding of transmission-type Fano resonance biochips for multiplex sensing applications. <i>Applied Materials Today</i> , 2019 , 16, 72-82	6.6	6
42	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	3.8	6
41	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	3.8	6
40	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	3.8	6
39	On-chip fraction collection for multiple selected ssDNA fragments using isolated extraction channels. <i>Journal of Chromatography A</i> , 2011 , 1218, 997-1003	4.5	6

38	Electrophoretic chip for fractionation of selective DNA fragment. <i>Electrophoresis</i> , 2008 , 29, 3959-63	3.6	6
37	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	6.6	5
36	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	2.5	5
35	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	0.5	5
34	Polymer channel chips as versatile tools in microchemistry. <i>Analytical Sciences</i> , 2008 , 24, 701-10	1.7	5
33	Optical Field Imaging of Elongated Rectangular Nanovoids in Gold Thin Film. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2449-2454	3.8	4
32	Raman microspectroscopy/imaging study on phase-vanishing processes of fluoruous biphasic systems in microchannel-microheater chips. <i>Analytical Sciences</i> , 2006 , 22, 1283-9	1.7	4
31	Photoluminescence enhancement induced from silver nanoparticles in Tb ³⁺ -doped glass ceramics. <i>Chinese Optics Letters</i> , 2012 , 10, 092401-92403	2.2	4
30	Visible-Light-Driven Allylation of Carboxylic Acids. <i>ACS Catalysis</i> , 2021 , 11, 9722-9728	13.1	4
29	Exotic Mode Suppression in Plasmonic Heterotrimer System. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 1398-1405	3.8	4
28	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	7.1	4
27	A simultaneous space sampling method for DNA fraction collection using a comb structure in microfluidic devices. <i>Electrophoresis</i> , 2011 , 32, 3392-8	3.6	3
26	Vibrations of microspheres probed with ultrashort optical pulses: erratum. <i>Optics Letters</i> , 2010 , 35, 940	3	3
25	Fabrication and Chemical Applications of Polymer Microchannel Chips. <i>IEEJ Transactions on Sensors and Micromachines</i> , 2001 , 121, 169-174	0.2	3
24	Thermo-Plasmonic Trapping of Living Cyanobacteria on a Gold Nanopyramidal Dimer Array: Implications for Plasmonic Biochips. <i>ACS Applied Nano Materials</i> , 2020 , 3, 10067-10072	5.6	3
23	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	5.8	3
22	Dumbbell-Shaped 2,2'FBipyridines: Controlled Metal Mono-chelation and Application to Ni-Catalyzed Cross-Couplings. <i>Chemistry - A European Journal</i> , 2021 , 27, 2289-2293	4.8	3
21	Coupled plasmonic systems: controlling the plasmon dynamics and spectral modulations for molecular detection. <i>Nanoscale</i> , 2021 , 13, 5187-5201	7.7	3

20	Bacterial Concentration Detection using a PCB-based Contactless Conductivity Sensor. <i>Micromachines</i> , 2019 , 10,	3.3	2
19	Plasmon-enhanced light energy conversion using gold nanostructured oxide semiconductor photoelectrodes. <i>Pure and Applied Chemistry</i> , 2015 , 87, 547-555	2.1	2
18	On-chip MIC by Combining Concentration Gradient Generator and Flanged Chamber Arrays. <i>Micromachines</i> , 2020 , 11,	3.3	2
17	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, 323-9	2.2	2
16	Precisely controlled plasmonic nanostructures and its application to nanolithography 2013 ,		2
15	A Fabry-Pérot cavity coupled surface plasmon photodiode for electrical biomolecular sensing. <i>Nature Communications</i> , 2021 , 12, 6483	17.4	2
14	Formation of Nanostructure-controlled Strong Coupling of Porphyrin Molecules and Silver Nanoparticles Using Layered Silicates. <i>Chemistry Letters</i> , 2019 , 48, 211-214	1.7	1
13	Plasmon-induced electron injection into the large negative potential conduction band of GaO for coupling with water oxidation. <i>Nanoscale</i> , 2020 , 12, 22674-22679	7.7	1
12	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	3.9	1
11	Surface plasmon-assisted nanolithography with nanometric accuracy 2012 ,		1
10	Modifying Plasmonic Spectral Properties of Engineered Silver Nanoblocks by Using Titanium Coating. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1216-1218	2.2	1
9	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	4.7	1
8	Strong Photon-Molecule Coupling Fields for Chemical Reactions 228-255		1
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	1.7	1
6	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	3.8	0
5	Nanolithography Based on Surface Plasmon 2017 , 573-588		
4	Construction of Plasmon-Induced Artificial Photosynthesis and its Dynamics Measured by PEEM. <i>Hyomen Kagaku</i> , 2014 , 35, 668-673		
3	Modulations of Electronic States in Plasmonic Strong Coupling Systems and Their Application to Photochemical Reaction Fields 2020 , 135-146		

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