

Sangwoon Yoon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

2,511
citations

24
h-index

47
g-index

47
ext. papers

2,755
ext. citations

6.7
avg, IF

5.1
L-index

#	Paper	IF	Citations
44	On the Origin of the Plasmonic Properties of Gold Nanoparticles. <i>Bulletin of the Korean Chemical Society</i> , 2021 , 42, 1058-1065	1.2	0
43	Strain-Induced Modulation of Localized Surface Plasmon Resonance in Ultrathin Hexagonal Gold Nanoplates. <i>Advanced Materials</i> , 2021 , 33, e2100653	24	2
42	Plasmonic Switching: Hole Transfer Opens an Electron-Transfer Channel in Plasmon-Driven Reactions. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 15879-15885	3.8	6
41	Plasmon-driven protodeboronation reactions in nanogaps. <i>Nanoscale</i> , 2020 , 12, 24062-24069	7.7	5
40	Effect of Nanogap Morphology on Plasmon Coupling. <i>ACS Nano</i> , 2019 , 13, 12100-12108	16.7	24
39	Colour and SERS patterning using core-satellite nanoassemblies. <i>Chemical Communications</i> , 2019 , 55, 1466-1469	5.8	3
38	How Does a Plasmon-Induced Hot Charge Carrier Break a C-C Bond?. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 24715-24724	9.5	26
37	Ultrafast Excitonic Behavior in Two-Dimensional Metal-Semiconductor Heterostructure. <i>ACS Photonics</i> , 2019 , 6, 1379-1386	6.3	17
36	Formation, Stability, and Replacement of Thiol Self-Assembled Monolayers as a Practical Guide to Prepare Nanogaps in Nanoparticle-on-Mirror Systems. <i>Bulletin of the Korean Chemical Society</i> , 2019 , 40, 839-842	1.2	5
35	Flatbed-scanner-based colorimetric Cu ²⁺ signaling system derived from a coumarin-Benzopyrylium conjugated dye. <i>Sensors and Actuators B: Chemical</i> , 2018 , 268, 22-28	8.5	10
34	The Chemical Fluctuation Theorem governing gene expression. <i>Nature Communications</i> , 2018 , 9, 297	17.4	18
33	Patterning Nanogaps: Spatial Control of the Distribution of Nanogaps between Gold Nanoparticles and Gold Substrates. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 26047-26053	3.8	5
32	Quantum Effects in Plasmon Coupling Across Subnanometer Gaps. <i>Bulletin of the Korean Chemical Society</i> , 2017 , 38, 419-420	1.2	1
31	Plasmon coupling between silver nanoparticles: Transition from the classical to the quantum regime. <i>Journal of Colloid and Interface Science</i> , 2016 , 464, 18-24	9.3	27
30	Gold Nanotrimers: A Preparation Method and Optical Responses. <i>Bulletin of the Korean Chemical Society</i> , 2016 , 37, 987-988	1.2	1
29	Effect of Nanogap Curvature on SERS: A Finite-Difference Time-Domain Study. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 20642-20650	3.8	39
28	Gold Nanocube-Nanosphere Dimers: Preparation, Plasmon Coupling, and Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 7873-7882	3.8	60

27	Bridging the Nanogap with Light: Continuous Tuning of Plasmon Coupling between Gold Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 12292-300	16.7	62
26	Influence of the molecular-scale structures of 1-dodecanethiol and 4-methylbenzenethiol self-assembled monolayers on gold nanoparticles adsorption pattern. <i>Journal of Colloid and Interface Science</i> , 2014 , 425, 83-90	9.3	8
25	Creating SERS hot spots on ultralong single-crystal β -AgVO ₃ microribbons. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 4051-4056	7.1	10
24	Probing quantum plasmon coupling using gold nanoparticle dimers with tunable interparticle distances down to the subnanometer range. <i>ACS Nano</i> , 2014 , 8, 8554-63	16.7	146
23	Induced Eye-detectable Blue Emission of Triazolyl Derivatives via Selective Photodecomposition of Chloroform under UV Irradiation at 365 nm. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 135-140	1.2	5
22	Surface Modification of Citrate-Capped Gold Nanoparticles Using CTAB Micelles. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 2567-2569	1.2	17
21	Surface Plasmon Coupling of Compositionally Heterogeneous Core-Satellite Nanoassemblies. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 1371-8	6.4	56
20	Probing interfacial interactions using core-satellite plasmon rulers. <i>Langmuir</i> , 2013 , 29, 14772-8	4	27
19	Effects of the Number of Satellites on Surface Plasmon Coupling of Core-Satellite Nanoassemblies. <i>Bulletin of the Korean Chemical Society</i> , 2013 , 34, 33-34	1.2	3
18	Controlled assembly and plasmonic properties of asymmetric core-satellite nanoassemblies. <i>ACS Nano</i> , 2012 , 6, 7199-208	16.7	129
17	Photoisomerization of azobenzene derivatives confined in gold nanoparticle aggregates. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 12900-5	3.6	29
16	Adsorption Patterns of Gold Nanoparticles on Methyl-Terminated Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 12501-12507	3.8	12
15	Shape effect of ceria in Cu/ceria catalysts for preferential CO oxidation. <i>Journal of Molecular Catalysis A</i> , 2011 , 335, 82-88		78
14	Photooxidative coupling of thiophenol derivatives to disulfides. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 12010-5	2.8	30
13	Spatially controlled SERS patterning using photoinduced disassembly of gelled gold nanoparticle aggregates. <i>Langmuir</i> , 2010 , 26, 17808-11	4	5
12	Time-dependent and symmetry-selective charge-transfer contribution to SERS in gold nanoparticle aggregates. <i>Langmuir</i> , 2009 , 25, 12475-80	4	52
11	Metal ion induced FRET OFF-ON in tren/dansyl-appended rhodamine. <i>Organic Letters</i> , 2008 , 10, 213-6	6.2	228
10	FRET-derived ratiometric fluorescence sensor for Cu ²⁺ . <i>Tetrahedron</i> , 2008 , 64, 1294-1300	2.4	116

9	Direct observation of the ultrafast intersystem crossing in tris(2,2'-bipyridine)ruthenium(II) using femtosecond stimulated Raman spectroscopy. <i>Molecular Physics</i> , 2006 , 104, 1275-1282	1.7	94
8	Femtosecond stimulated Raman spectroscopy. <i>Analytical Chemistry</i> , 2006 , 78, 5953-9	7.8	38
7	Dependence of line shapes in femtosecond broadband stimulated Raman spectroscopy on pump-probe time delay. <i>Journal of Chemical Physics</i> , 2005 , 122, 024505	3.9	42
6	Structural observation of the primary isomerization in vision with femtosecond-stimulated Raman. <i>Science</i> , 2005 , 310, 1006-9	33.3	531
5	Vibrationally controlled chemistry: mode- and bond-selected reaction of CH ₃ D with Cl. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8388-92	3.4	58
4	Femtosecond broadband stimulated Raman spectroscopy: Apparatus and methods. <i>Review of Scientific Instruments</i> , 2004 , 75, 4971-80	1.7	249
3	Control of bimolecular reactions: Bond-selected reaction of vibrationally excited CH ₃ D with Cl (2P _{3/2}). <i>Journal of Chemical Physics</i> , 2003 , 119, 4755-4761	3.9	60
2	The relative reactivity of CH ₃ D molecules with excited symmetric and antisymmetric stretching vibrations. <i>Journal of Chemical Physics</i> , 2003 , 119, 9568-9575	3.9	80
1	The relative reactivity of the stretchBend combination vibrations of CH ₄ in the Cl (2P _{3/2})+CH ₄ reaction. <i>Journal of Chemical Physics</i> , 2002 , 116, 10744-10752	3.9	96