Sangwoon Yoon

List of Publications by Citations

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	Structural observation of the primary isomerization in vision with femtosecond-stimulated Raman. *Science*, **2005**, 310, 1006-9	33.3	531
43	Femtosecond broadband stimulated Raman spectroscopy: Apparatus and methods. *Review of Scientific Instruments*, **2004**, 75, 4971-80	1.7	249
42	Metal ion induced FRET OFF-ON in tren/dansyl-appended rhodamine. *Organic Letters*, **2008**, 10, 213-6	6.2	228
41	Probing quantum plasmon coupling using gold nanoparticle dimers with tunable interparticle distances down to the subnanometer range. *ACS Nano*, **2014**, 8, 8554-63	16.7	146
40	Controlled assembly and plasmonic properties of asymmetric core-satellite nanoassemblies. *ACS Nano*, **2012**, 6, 7199-208	16.7	129
39	FRET-derived ratiometric fluorescence sensor for Cu2+. *Tetrahedron*, **2008**, 64, 1294-1300	2.4	116
38	The relative reactivity of the stretch□bend combination vibrations of CH4 in the Cl (2P3/2)+CH4 reaction. *Journal of Chemical Physics*, **2002**, 116, 10744-10752	3.9	96
37	Direct observation of the ultrafast intersystem crossing in tris(2,2?-bipyridine)ruthenium(II) using femtosecond stimulated Raman spectroscopy. *Molecular Physics*, **2006**, 104, 1275-1282	1.7	94
36	The relative reactivity of CH3D molecules with excited symmetric and antisymmetric stretching vibrations. *Journal of Chemical Physics*, **2003**, 119, 9568-9575	3.9	80
35	Shape effect of ceria in Cu/ceria catalysts for preferential CO oxidation. *Journal of Molecular Catalysis A*, **2011**, 335, 82-88		78
34	Bridging the Nanogap with Light: Continuous Tuning of Plasmon Coupling between Gold Nanoparticles. *ACS Nano*, **2015**, 9, 12292-300	16.7	62
33	Gold Nanocube□Nanosphere Dimers: Preparation, Plasmon Coupling, and Surface-Enhanced Raman Scattering. *Journal of Physical Chemistry C*, **2015**, 119, 7873-7882	3.8	60
32	Control of bimolecular reactions: Bond-selected reaction of vibrationally excited CH3D with Cl (2P3/2). *Journal of Chemical Physics*, **2003**, 119, 4755-4761	3.9	60
31	Vibrationally controlled chemistry: mode- and bond-selected reaction of CH3D with Cl. *Journal of Physical Chemistry B*, **2005**, 109, 8388-92	3.4	58
30	Surface Plasmon Coupling of Compositionally Heterogeneous Core-Satellite Nanoassemblies. *Journal of Physical Chemistry Letters*, **2013**, 4, 1371-8	6.4	56
29	Time-dependent and symmetry-selective charge-transfer contribution to SERS in gold nanoparticle aggregates. *Langmuir*, **2009**, 25, 12475-80	4	52
28	Dependence of line shapes in femtosecond broadband stimulated Raman spectroscopy on pump-probe time delay. *Journal of Chemical Physics*, **2005**, 122, 024505	3.9	42

27	Effect of Nanogap Curvature on SERS: A Finite-Difference Time-Domain Study. *Journal of Physical Chemistry C*, **2016**, 120, 20642-20650	3.8	39
26	Femtosecond stimulated Raman spectroscopy. *Analytical Chemistry*, **2006**, 78, 5953-9	7.8	38
25	Photooxidative coupling of thiophenol derivatives to disulfides. *Journal of Physical Chemistry A*, **2010**, 114, 12010-5	2.8	30
24	Photoisomerization of azobenzene derivatives confined in gold nanoparticle aggregates. *Physical Chemistry Chemical Physics*, **2011**, 13, 12900-5	3.6	29
23	Plasmon coupling between silver nanoparticles: Transition from the classical to the quantum regime. *Journal of Colloid and Interface Science*, **2016**, 464, 18-24	9.3	27
22	Probing interfacial interactions using core-satellite plasmon rulers. *Langmuir*, **2013**, 29, 14772-8	4	27
21	How Does a Plasmon-Induced Hot Charge Carrier Break a C-C Bond?. *ACS Applied Materials & Interfaces*, **2019**, 11, 24715-24724	9.5	26
20	Effect of Nanogap Morphology on Plasmon Coupling. *ACS Nano*, **2019**, 13, 12100-12108	16.7	24
19	The Chemical Fluctuation Theorem governing gene expression. *Nature Communications*, **2018**, 9, 297	17.4	18
18	Ultrafast Excitonic Behavior in Two-Dimensional Metal–Semiconductor Heterostructure. *ACS Photonics*, **2019**, 6, 1379-1386	6.3	17
17	Surface Modification of Citrate-Capped Gold Nanoparticles Using CTAB Micelles. *Bulletin of the Korean Chemical Society*, **2014**, 35, 2567-2569	1.2	17
16	Adsorption Patterns of Gold Nanoparticles on Methyl-Terminated Self-Assembled Monolayers. *Journal of Physical Chemistry C*, **2011**, 115, 12501-12507	3.8	12
15	Flatbed-scanner-based colorimetric Cu2+ signaling system derived from a coumarin–benzopyrylium conjugated dye. *Sensors and Actuators B: Chemical*, **2018**, 268, 22-28	8.5	10
14	Creating SERS hot spots on ultralong single-crystal β-AgVO3 microribbons. *Journal of Materials Chemistry C*, **2014**, 2, 4051-4056	7.1	10
13	Influence of the molecular-scale structures of 1-dodecanethiol and 4-methylbenzenethiol self-assembled monolayers on gold nanoparticles adsorption pattern. *Journal of Colloid and Interface Science*, **2014**, 425, 83-90	9.3	8
12	Plasmonic Switching: Hole Transfer Opens an Electron-Transfer Channel in Plasmon-Driven Reactions. *Journal of Physical Chemistry C*, **2020**, 124, 15879-15885	3.8	6
11	Formation, Stability, and Replacement of Thiol Self-Assembled Monolayers as a Practical Guide to Prepare Nanogaps in Nanoparticle-on-Mirror Systems. *Bulletin of the Korean Chemical Society*, **2019**, 40, 839-842	1.2	5
10	Spatially controlled SERS patterning using photoinduced disassembly of gelated gold nanoparticle aggregates. *Langmuir*, **2010**, 26, 17808-11	4	5

9	Induced Eye-detectable Blue Emission of Triazolyl Derivatives via Selective Photodecomposition of Chloroform under UV Irradiation at 365 nm. *Bulletin of the Korean Chemical Society*, **2014**, 35, 135-140	1.2	5
8	Plasmon-driven protodeboronation reactions in nanogaps. *Nanoscale*, **2020**, 12, 24062-24069	7.7	5
7	Patterning Nanogaps: Spatial Control of the Distribution of Nanogaps between Gold Nanoparticles and Gold Substrates. *Journal of Physical Chemistry C*, **2018**, 122, 26047-26053	3.8	5
6	Colour and SERS patterning using core-satellite nanoassemblies. *Chemical Communications*, **2019**, 55, 1466-1469	5.8	3
5	Effects of the Number of Satellites on Surface Plasmon Coupling of Core-Satellite Nanoassemblies. *Bulletin of the Korean Chemical Society*, **2013**, 34, 33-34	1.2	3
4	Strain-Induced Modulation of Localized Surface Plasmon Resonance in Ultrathin Hexagonal Gold Nanoplates. *Advanced Materials*, **2021**, 33, e2100653	24	2
3	Quantum Effects in Plasmon Coupling Across Subnanometer Gaps. *Bulletin of the Korean Chemical Society*, **2017**, 38, 419-420	1.2	1
2	Gold Nanotrimers: A Preparation Method and Optical Responses. *Bulletin of the Korean Chemical Society*, **2016**, 37, 987-988	1.2	1
1	On the Origin of the Plasmonic Properties of Gold Nanoparticles. *Bulletin of the Korean Chemical Society*, **2021**, 42, 1058-1065	1.2	0