Sangwoon Yoon

List of Publications by Year
in descending order

47	2,960	218677 26	223800 46
papers	citations	h-index	g-index

47	47	47	3662
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural Observation of the Primary Isomerization in Vision with Femtosecond-Stimulated Raman. Science, 2005, 310, 1006-1009.	12.6	600
2	Femtosecond broadband stimulated Raman spectroscopy: Apparatus and methods. Review of Scientific Instruments, 2004, 75, 4971-4980.	1.3	285
3	Metal Ion Induced FRET OFFâ˘'ON in Tren/Dansyl-Appended Rhodamine. Organic Letters, 2008, 10, 213-216.	4.6	236
4	Probing Quantum Plasmon Coupling Using Gold Nanoparticle Dimers with Tunable Interparticle Distances Down to the Subnanometer Range. ACS Nano, 2014, 8, 8554-8563.	14.6	176
5	Controlled Assembly and Plasmonic Properties of Asymmetric Coreâ€"Satellite Nanoassemblies. ACS Nano, 2012, 6, 7199-7208.	14.6	156
6	FRET-derived ratiometric fluorescence sensor for Cu2+. Tetrahedron, 2008, 64, 1294-1300.	1.9	121
7	The relative reactivity of the stretchâ€"bend combination vibrations of CH4 in the Cl (2P3/2)+CH4 reaction. Journal of Chemical Physics, 2002, 116, 10744-10752.	3.0	103
8	Direct observation of the ultrafast intersystem crossing in tris(2,2â€²-bipyridine)ruthenium(II) using femtosecond stimulated Raman spectroscopy. Molecular Physics, 2006, 104, 1275-1282.	1.7	99
9	The relative reactivity of CH3D molecules with excited symmetric and antisymmetric stretching vibrations. Journal of Chemical Physics, 2003, 119, 9568-9575.	3.0	87
10	Shape effect of ceria in Cu/ceria catalysts for preferential CO oxidation. Journal of Molecular Catalysis A, 2011, 335, 82-88.	4.8	83
11	Gold Nanocubeâ€"Nanosphere Dimers: Preparation, Plasmon Coupling, and Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2015, 119, 7873-7882.	3.1	76
12	Bridging the Nanogap with Light: Continuous Tuning of Plasmon Coupling between Gold Nanoparticles. ACS Nano, 2015, 9, 12292-12300.	14.6	72
13	Surface Plasmon Coupling of Compositionally Heterogeneous Coreâ€"Satellite Nanoassemblies. Journal of Physical Chemistry Letters, 2013, 4, 1371-1378.	4.6	71
14	Control of bimolecular reactions: Bond-selected reaction of vibrationally excited CH3D with Clâ€Š(2P3/2). Journal of Chemical Physics, 2003, 119, 4755-4761.	3.0	64
15	Vibrationally Controlled Chemistry:Â Mode- and Bond-Selected Reaction of CH3D with Clâ€. Journal of Physical Chemistry B, 2005, 109, 8388-8392.	2.6	64
16	Time-Dependent and Symmetry-Selective Charge-Transfer Contribution to SERS in Gold Nanoparticle Aggregates. Langmuir, 2009, 25, 12475-12480.	3.5	54
17	Effect of Nanogap Curvature on SERS: A Finite-Difference Time-Domain Study. Journal of Physical Chemistry C, 2016, 120, 20642-20650.	3.1	54
18	How Does a Plasmon-Induced Hot Charge Carrier Break a Câ€"C Bond?. ACS Applied Materials & Interfaces, 2019, 11, 24715-24724.	8.0	53

#	Article	IF	Citations
19	Effect of Nanogap Morphology on Plasmon Coupling. ACS Nano, 2019, 13, 12100-12108.	14.6	48
20	Dependence of line shapes in femtosecond broadband stimulated Raman spectroscopy on pump-probe time delay. Journal of Chemical Physics, 2005, 122, 024505.	3.0	47
21	Femtosecond Stimulated Raman Spectroscopy. Analytical Chemistry, 2006, 78, 5952-5959.	6.5	42
22	Probing Interfacial Interactions Using Coreâ€“Satellite Plasmon Rulers. Langmuir, 2013, 29, 14772-14778.	3.5	37
23	Plasmon coupling between silver nanoparticles: Transition from the classical to the quantum regime. Journal of Colloid and Interface Science, 2016, 464, 18-24.	9.4	37
24	Photooxidative Coupling of Thiophenol Derivatives to Disulfides. Journal of Physical Chemistry A, 2010, 114, 12010-12015.	2.5	35
25	Photoisomerization of azobenzene derivatives confined in gold nanoparticle aggregates. Physical Chemistry Chemical Physics, 2011, 13, 12900.	2.8	33
26	The Chemical Fluctuation Theorem governing gene expression. Nature Communications, 2018, 9, 297.	12.8	29
27	Ultrafast Excitonic Behavior in Two-Dimensional Metalâ€“Semiconductor Heterostructure. ACS Photonics, 2019, 6, 1379-1386.	6.6	23
28	Surface Modification of Citrate-Capped Gold Nanoparticles Using CTAB Micelles. Bulletin of the Korean Chemical Society, 2014, 35, 2567-2569.	1.9	23
29	Plasmonic Switching: Hole Transfer Opens an Electron-Transfer Channel in Plasmon-Driven Reactions. Journal of Physical Chemistry C, 2020, 124, 15879-15885.	3.1	15
30	Adsorption Patterns of Gold Nanoparticles on Methyl-Terminated Self-Assembled Monolayers. Journal of Physical Chemistry C, 2011, 115, 12501-12507.	3.1	14
31	Effect of Nanoparticle Size on Plasmon-Driven Reaction Efficiency. ACS Applied Materials & Interfaces, 2022, 14, 4163-4169.	8.0	14
32	Plasmon-driven protodeboronation reactions in nanogaps. Nanoscale, 2020, 12, 24062-24069.	5.6	12
33	Flatbed-scanner-based colorimetric Cu2+ signaling system derived from a coumarinâ€“benzopyrylium conjugated dye. Sensors and Actuators B: Chemical, 2018, 268, 22-28.	7.8	11
34	Creating SERS hot spots on ultralong single-crystal Î²-AgVO₃ microribbons. Journal of Materials Chemistry C, 2014, 2, 4051-4056.	5.5	10
35	On the Origin of the Plasmonic Properties of Gold Nanoparticles. Bulletin of the Korean Chemical Society, 2021, 42, 1058-1065.	1.9	10
36	Strainâ€Induced Modulation of Localized Surface Plasmon Resonance in Ultrathin Hexagonal Gold Nanoplates. Advanced Materials, 2021, 33, e2100653.	21.0	10

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37	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.	9.4	8
38	Colour and SERS patterning using coreâ€"satellite nanoassemblies. Chemical Communications, 2019, 55, 1466-1469.	4.1	8
39	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.	1.9	7
40	Spatially Controlled SERS Patterning Using Photoinduced Disassembly of Gelated Gold Nanoparticle Aggregates. Langmuir, 2010, 26, 17808-17811.	3.5	6
41	Patterning Nanogaps: Spatial Control of the Distribution of Nanogaps between Gold Nanoparticles and Gold Substrates. Journal of Physical Chemistry C, 2018, 122, 26047-26053.	3.1	6
42	Formation, Stability, and Replacement of Thiol Selfâ€Assembled Monolayers as a Practical Guide to Prepare Nanogaps in Nanoparticleâ€onâ€Mirror Systems. Bulletin of the Korean Chemical Society, 2019, 40, 839-842.	1.9	6
43	Silica-Encapsulated Coreâ€"Satellite Gold Nanoparticle Assemblies as Stable, Sensitive, and Multiplex Surface-Enhanced Raman Scattering Probes. ACS Applied Nano Materials, 2022, 5, 5087-5095.	5.0	6
44	Effects of the Number of Satellites on Surface Plasmon Coupling of Core-Satellite Nanoassemblies. Bulletin of the Korean Chemical Society, 2013, 34, 33-34.	1.9	5
45	Gold Nanotrimers: A Preparation Method and Optical Responses. Bulletin of the Korean Chemical Society, 2016, 37, 987-988.	1.9	3
46	Quantum Effects in Plasmon Coupling Across Subnanometer Gaps. Bulletin of the Korean Chemical Society, 2017, 38, 419-420.	1.9	1
47	Correction to â€œUltrafast Excitonic Behavior in Two-Dimensional Metalâ€"Semiconductor Heterostructure. ACS Photonics, 2019, 6, 2181-2181.	6.6	0