

Dae Hong Jeong

List of Publications by Year in descending order

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172
papers

10,393
citations

53794

45
h-index

33894

99
g-index

176
all docs

176
docs citations

176
times ranked

15816
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial effects of silver nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2007, 3, 95-101.	3.3	3,939
2	Extremely Long, Discrete meso-meso-Coupled Porphyrin Arrays. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1458-1462.	13.8	348
3	Nanoparticle Probes with Surface Enhanced Raman Spectroscopic Tags for Cellular Cancer Targeting. <i>Analytical Chemistry</i> , 2006, 78, 6967-6973.	6.5	262
4	Concave Rhombic Dodecahedral Au Nanocatalyst with Multiple High-Index Facets for CO ₂ Reduction. <i>ACS Nano</i> , 2015, 9, 8384-8393.	14.6	242
5	Photophysical Properties of Long Rodlike Meso-Linked Zinc(II) Porphyrins Investigated by Time-Resolved Laser Spectroscopic Methods. <i>Journal of the American Chemical Society</i> , 2001, 123, 76-86.	13.7	235
6	Photophysical Properties of Porphyrin Tapes. <i>Journal of the American Chemical Society</i> , 2002, 124, 14642-14654.	13.7	217
7	Multifunctional Silver-Embedded Magnetic Nanoparticles as SERS Nanoprobes and Their Applications. <i>Small</i> , 2010, 6, 119-125.	10.0	184
8	A carbon nanotube wall membrane for water treatment. <i>Nature Communications</i> , 2015, 6, 7109.	12.8	178
9	Polarized Surface Enhanced Raman Scattering from Aligned Silver Nanowire Rafts. <i>Journal of Physical Chemistry B</i> , 2004, 108, 12724-12728.	2.6	166
10	Subnanomolar Sensitivity of Filter Paper-Based SERS Sensor for Pesticide Detection by Hydrophobicity Change of Paper Surface. <i>ACS Sensors</i> , 2018, 3, 151-159.	7.8	165
11	Real-time label-free immunoassay of interferon-gamma and prostate-specific antigen using a Fiber-Optic Localized Surface Plasmon Resonance sensor. <i>Biosensors and Bioelectronics</i> , 2013, 39, 346-351.	10.1	145
12	Comparative Photophysics of [26]- and [28]Hexaphyrins(1.1.1.1.1.1): A Large Two-Photon Absorption Cross Section of Aromatic [26]Hexaphyrins(1.1.1.1.1.1). <i>Journal of the American Chemical Society</i> , 2005, 127, 12856-12861.	13.7	142
13	Single-Step and Rapid Growth of Silver Nanoshells as SERS-Active Nanostructures for Label-Free Detection of Pesticides. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12541-12549.	8.0	130
14	Surface-enhanced Raman scattering-active nanostructures and strategies for bioassays. <i>Nanomedicine</i> , 2011, 6, 1463-1480.	3.3	127
15	Ultrasensitive, Biocompatible, Quantum-Dot-Embedded Silica Nanoparticles for Bioimaging. <i>Advanced Functional Materials</i> , 2012, 22, 1843-1849.	14.9	123
16	Near-Infrared SERS Nanoprobes with Plasmonic Au/Ag Hollow Shell Assemblies for In Vivo Multiplex Detection. <i>Advanced Functional Materials</i> , 2013, 23, 3719-3727.	14.9	121
17	Multiplex Immunoassay Using Fluorescent-Surface Enhanced Raman Spectroscopic Dots for the Detection of Bronchioalveolar Stem Cells in Murine Lung. <i>Analytical Chemistry</i> , 2009, 81, 1008-1015.	6.5	88
18	Excited-State Energy Transfer Processes in Phenylene- and Biphenylene-Linked and Directly-Linked Zinc(II) and Free-Base Hybrid Diporphyrins. <i>Journal of Physical Chemistry A</i> , 2001, 105, 4200-4210.	2.5	86

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19	Surface-Enhanced Raman Spectroscopic-Encoded Beads for Multiplex Immunoassay. <i>ACS Combinatorial Science</i> , 2007, 9, 237-244.	3.3	86
20	Engineering nanostructures for giant optical fields. <i>Chemical Physics Letters</i> , 2004, 397, 91-95.	2.6	85
21	Multiplex Targeting, Tracking, and Imaging of Apoptosis by Fluorescent Surface Enhanced Raman Spectroscopic Dots. <i>Bioconjugate Chemistry</i> , 2007, 18, 1155-1162.	3.6	85
22	Fine Tuning of Photophysical Properties of mesomeso-Linked Zn(II)-Diporphyrins by Dihedral Angle Control. <i>Chemistry - A European Journal</i> , 2003, 9, 58-75.	3.3	83
23	Carbon nanotube-bonded graphene hybrid aerogels and their application to water purification. <i>Nanoscale</i> , 2015, 7, 6782-6789.	5.6	77
24	Gold Nanoparticle/Graphene Oxide Hybrid Sheets Attached on Mesenchymal Stem Cells for Effective Photothermal Cancer Therapy. <i>Chemistry of Materials</i> , 2017, 29, 3461-3476.	6.7	76
25	PSA Detection with Femtomolar Sensitivity and a Broad Dynamic Range Using SERS Nanoprobes and an Area-Scanning Method. <i>ACS Sensors</i> , 2016, 1, 645-649.	7.8	74
26	Localized surface plasmon resonance biosensor using nanopatterned gold particles on the surface of an optical fiber. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 183-191.	7.8	74
27	Fluorescence-Raman Dual Modal Endoscopic System for Multiplexed Molecular Diagnostics. <i>Scientific Reports</i> , 2015, 5, 9455.	3.3	73
28	Environmental levels of ultraviolet light potentiate the toxicity of sulfonamide antibiotics in <i>Daphnia magna</i> . <i>Ecotoxicology</i> , 2008, 17, 37-45.	2.4	71
29	Fluorescence-Based Multiplex Protein Detection Using Optically Encoded Microbeads. <i>Molecules</i> , 2012, 17, 2474-2490.	3.8	71
30	Adsorbate Photochemistry on a Colloid Surface: Phthalazine on Silver. <i>The Journal of Physical Chemistry</i> , 1996, 100, 805-813.	2.9	70
31	Target-specific near-IR induced drug release and photothermal therapy with accumulated Au/Ag hollow nanoshells on pulmonary cancer cell membranes. <i>Biomaterials</i> , 2015, 45, 81-92.	11.4	69
32	Spatial deformation of nanocellulose hydrogel enhances SERS. <i>Biochip Journal</i> , 2013, 7, 234-241.	4.9	68
33	Protein separation and identification using magnetic beads encoded with surface-enhanced Raman spectroscopy. <i>Analytical Biochemistry</i> , 2009, 391, 24-30.	2.4	65
34	Ultrafast transient dynamics of Zn(II) porphyrins: Observation of vibrational coherence by controlling chirp of femtosecond pulses. <i>Journal of Chemical Physics</i> , 2003, 118, 164-171.	3.0	63
35	Electromechanical properties of CNT-coated cotton yarn for electronic textile applications. <i>Smart Materials and Structures</i> , 2011, 20, 015004.	3.5	59
36	Magnetic surface-enhanced Raman spectroscopic (M-SERS) dots for the identification of bronchioalveolar stem cells in normal and lung cancer mice. <i>Biomaterials</i> , 2009, 30, 3915-3925.	11.4	58

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37	Real-time detection of prostate-specific antigens using a highly reliable fiber-optic localized surface plasmon resonance sensor combined with micro fluidic channel. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 891-898.	7.8	58
38	Improved stability of gold nanoparticles on the optical fiber and their application to refractive index sensor based on localized surface plasmon resonance. <i>Optics and Laser Technology</i> , 2019, 114, 171-178.	4.6	56
39	Enzyme-amplified SERS immunoassay with Ag-Au bimetallic SERS hot spots. <i>Nano Research</i> , 2020, 13, 3338-3346.	10.4	56
40	One-step synthesis of silver nanoshells with bumps for highly sensitive near-IR SERS nanoprobe. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4415-4421.	5.8	51
41	Femtosecond Emission Studies on Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2002, 106, 7581-7584.	2.6	50
42	Ag Shell@Au Satellite Hetero-Nanostructure for Ultra-Sensitive, Reproducible, and Homogeneous NIR SERS Activity. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11859-11863.	8.0	49
43	Multilayer Ag-Embedded Silica Nanostructure as a Surface-Enhanced Raman Scattering-Based Chemical Sensor with Dual-Function Internal Standards. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40748-40755.	8.0	49
44	Encoding peptide sequences with surface-enhanced Raman spectroscopic nanoparticles. <i>Chemical Communications</i> , 2011, 47, 2306-2308.	4.1	47
45	Toxicity and Clearance of Intratracheally Administered Multiwalled Carbon Nanotubes from Murine Lung. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2010, 73, 1530-1543.	2.3	46
46	Highly sensitive and reliable SERS probes based on nanogap control of a Au@Ag alloy on silica nanoparticles. <i>RSC Advances</i> , 2017, 7, 7015-7021.	3.6	45
47	Enzyme-catalyzed Ag Growth on Au Nanoparticle-assembled Structure for Highly Sensitive Colorimetric Immunoassay. <i>Scientific Reports</i> , 2018, 8, 6290.	3.3	44
48	Virus Templated Gold Nanocube Chain for SERS Nanoprobe. <i>Small</i> , 2014, 10, 3007-3011.	10.0	43
49	Glucose detection using 4-mercaptophenyl boronic acid-incorporated silver nanoparticles-embedded silica-coated graphene oxide as a SERS substrate. <i>Biochip Journal</i> , 2017, 11, 46-56.	4.9	43
50	Fabrication of fiber-optic localized surface plasmon resonance sensor and its application to detect antibody-antigen reaction of interferon-gamma. <i>Optical Engineering</i> , 2011, 50, 124405.	1.0	40
51	4-Mercaptobenzoic Acid Labeled Gold-Silver-Alloy-Embedded Silica Nanoparticles as an Internal Standard Containing Nanostructures for Sensitive Quantitative Thiram Detection. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4841.	4.1	40
52	Photophysical Properties of a Three-Dimensional Zinc(II) Porphyrin Box. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9977-9988.	2.6	39
53	Free-standing Gold Nanoparticle Monolayer Film Fabricated by Protein Self-assembly of λ -cystovirus. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4571-4576.	13.8	39
54	Highly robust and optimized conjugation of antibodies to nanoparticles using quantitatively validated protocols. <i>Nanoscale</i> , 2017, 9, 2548-2555.	5.6	39

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55	Reaction Kinetics-Mediated Control over Silver Nanogap Shells as Surface-Enhanced Raman Scattering Nanoprobes for Detection of Alzheimer's Disease Biomarkers. <i>Small</i> , 2019, 15, e1900613.	10.0	39
56	Macroscopic Single-Walled-Carbon-Nanotube Fiber Self-Assembled by Dip-Coating Method. <i>Advanced Materials</i> , 2009, 21, 4357-4361.	21.0	37
57	Large scale synthesis of surface-enhanced Raman scattering nanoprobes with high reproducibility and long-term stability. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 33, 22-27.	5.8	34
58	Simultaneous Detection of EGFR and VEGF in Colorectal Cancer using Fluorescence-Raman Endoscopy. <i>Scientific Reports</i> , 2017, 7, 1035.	3.3	33
59	Magnetic field induced aggregation of nanoparticles for sensitive molecular detection. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7298.	2.8	32
60	β -CD Dimer-immobilized Ag Assembly Embedded Silica Nanoparticles for Sensitive Detection of Polycyclic Aromatic Hydrocarbons. <i>Scientific Reports</i> , 2016, 6, 26082.	3.3	31
61	Effects of surface density and size of gold nanoparticles in a fiber-optic localized surface plasmon resonance sensor and its application to peptide detection. <i>Measurement Science and Technology</i> , 2010, 21, 085805.	2.6	30
62	Assembly of Plasmonic and Magnetic Nanoparticles with Fluorescent Silica Shell Layer for Tri-functional SERS-Magnetic-Fluorescence Probes and Its Bioapplications. <i>Scientific Reports</i> , 2018, 8, 13938.	3.3	30
63	Direct Identification of On-Bead Peptides Using Surface-Enhanced Raman Spectroscopic Barcoding System for High-Throughput Bioanalysis. <i>Scientific Reports</i> , 2015, 5, 10144.	3.3	29
64	Gold-silver bimetallic nanoparticles with a Raman labeling chemical assembled on silica nanoparticles as an internal-standard-containing nanoprobe. <i>Journal of Alloys and Compounds</i> , 2019, 779, 360-366.	5.5	29
65	A dual modal silver bumpy nanoprobe for photoacoustic imaging and SERS multiplexed identification of in vivo lymph nodes. <i>Nanoscale</i> , 2017, 9, 12556-12564.	5.6	28
66	Analysis and reproduction of snail trails on silver grid lines in crystalline silicon photovoltaic modules. <i>Solar Energy</i> , 2016, 124, 153-162.	6.1	27
67	Electrical and thermoelectric transport by variable range hopping in reduced graphene oxide. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	27
68	Control of Silver Coating on Raman Label Incorporated Gold Nanoparticles Assembled Silica Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1258.	4.1	26
69	Highly sensitive near-infrared SERS nanoprobes for in vivo imaging using gold-assembled silica nanoparticles with controllable nanogaps. <i>Journal of Nanobiotechnology</i> , 2022, 20, 130.	9.1	26
70	Photodecomposition of Diazanaphthalenes Adsorbed on Silver Colloid Surfaces. <i>Journal of Physical Chemistry B</i> , 2000, 104, 3594-3600.	2.6	25
71	Analysis of Fiber-Optic Localized Surface Plasmon Resonance Sensor by Controlling Formation of Gold Nanoparticles and its Bio-Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 7815-7821.	0.9	25
72	Parallel synthesis and characterization of photoelectrochemically and electrochromically active tungsten-molybdenum oxides. <i>Chemical Communications</i> , 2004, , 390-391.	4.1	24

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73	Resonance Raman Spectroscopic Investigation of Directly Linked Zinc(II) Porphyrin Linear Arrays. <i>Journal of Physical Chemistry A</i> , 2002, 106, 2359-2368.	2.5	23
74	Au-Ag assembled on silica nanoprobe for visual semiquantitative detection of prostate-specific antigen. <i>Journal of Nanobiotechnology</i> , 2021, 19, 73.	9.1	23
75	Effect of Alkylamines on Morphology Control of Silver Nanoshells for Highly Enhanced Raman Scattering. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8374-8381.	8.0	21
76	Lateral Flow Immunoassay with Quantum-Dot-Embedded Silica Nanoparticles for Prostate-Specific Antigen Detection. <i>Nanomaterials</i> , 2022, 12, 33.	4.1	21
77	Enhanced photochemistry of 2-aminopyridine adsorbed on silver colloid surfaces. <i>Journal of Raman Spectroscopy</i> , 2001, 32, 1026-1031.	2.5	20
78	Silica Core-based Surface-enhanced Raman Scattering (SERS) Tag: Advances in Multifunctional SERS Nanoprobes for Bioimaging and Targeting of Biomarkers. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 963-978.	1.9	20
79	Base Effects on Fabrication of Silver Nanoparticles Embedded Silica Nanocomposite for Surface-Enhanced Raman Scattering (SERS). <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 579-583.	0.9	19
80	Size effect of gold on Ag-coated Au nanoparticle-embedded silica nanospheres. <i>RSC Advances</i> , 2016, 6, 48644-48650.	3.6	19
81	Thin silica shell coated Ag assembled nanostructures for expanding generality of SERS analytes. <i>PLoS ONE</i> , 2017, 12, e0178651.	2.5	18
82	Protein-Based SERS Technology Monitoring the Chemical Reactivity on an \hat{I} -Synuclein-Mediated Two-Dimensional Array of Gold Nanoparticles. <i>Langmuir</i> , 2011, 27, 12782-12787.	3.5	17
83	Plasmon-enhanced dye-sensitized solar cells using SiO ₂ spheres decorated with tightly assembled silver nanoparticles. <i>RSC Advances</i> , 2014, 4, 19851.	3.6	17
84	SERS-Based Flavonoid Detection Using Ethylenediamine- \hat{I} -Cyclodextrin as a Capturing Ligand. <i>Nanomaterials</i> , 2017, 7, 8.	4.1	17
85	Ultrasensitive NIR-SERS Probes with Multiplexed Ratiometric Quantification for In Vivo Antibody Leads Validation. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700870.	7.6	17
86	Photochemical Reactions of Phenazine and Acridine Adsorbed on Silver Colloid Surfaces. <i>Journal of Physical Chemistry B</i> , 2000, 104, 7462-7467.	2.6	16
87	Sensitive and selective detection of 4-aminophenol in the presence of acetaminophen using gold-silver core-shell nanoparticles embedded in silica nanostructures. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 83, 208-213.	5.8	16
88	Polymer-Mediated Formation and Assembly of Silver Nanoparticles on Silica Nanospheres for Sensitive Surface-Enhanced Raman Scattering Detection. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12804-12810.	8.0	15
89	Synthesis of optically tunable bumpy silver nanoshells by changing the silica core size and their SERS activities. <i>RSC Advances</i> , 2017, 7, 40255-40261.	3.6	15
90	Litmus-type thermochromic and solvatochromic sensors prepared with \hat{I} -synuclein amyloid fibrils and polydiacetylene. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 313-319.	7.8	14

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91	Fabrication of Localized Surface Plasmon Resonance Sensor Based on Optical Fiber and Micro Fluidic Channel. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 1083-1091.	0.9	14
92	Template-Assisted Plasmonic Nanogap Shells for Highly Enhanced Detection of Cancer Biomarkers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1752.	4.1	14
93	Investigation of Interporphyrin Charge Resonance of Dihedral Angle Controlled Porphyrin Dimers by Resonance Raman Spectroscopy and MO Approaches. <i>Journal of Physical Chemistry A</i> , 2002, 106, 11054-11063.	2.5	13
94	Resonance Raman spectroscopic study of fused multiporphyrin linear arrays. <i>Journal of Chemical Physics</i> , 2003, 119, 5237-5252.	3.0	13
95	Preparation of polydiacetylene immobilized optically encoded beads. <i>Journal of Colloid and Interface Science</i> , 2011, 355, 29-34.	9.4	13
96	Fiber-Optic Refractive Index Sensor Based on the Cone-Based Round Structure. <i>IEEE Sensors Journal</i> , 2013, 13, 351-358.	4.7	13
97	Silver Nanoparticle-Embedded Thin Silica-Coated Graphene Oxide as an SERS Substrate. <i>Nanomaterials</i> , 2016, 6, 176.	4.1	13
98	Raman spectroscopic studies on interactions of water soluble cationic oxovanadyl (IV) meso-tetrakis(1-methylpyridium-4-yl) porphyrin with nucleic acids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 174, 207-213.	3.9	12
99	Ligand immobilization on polydiacetylene-coated and surface-enhanced Raman scattering-encoded beads for label-free detection. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 158-162.	5.8	12
100	Preparation of plasmonic magnetic nanoparticles and their light scattering properties. <i>RSC Advances</i> , 2015, 5, 21050-21053.	3.6	12
101	Verification of electron doping in single-layer graphene due to H ₂ exposure with thermoelectric power. <i>Applied Physics Letters</i> , 2015, 106, 142110.	3.3	12
102	Design and validation of fiber optic localized surface plasmon resonance sensor for thyroglobulin immunoassay with high sensitivity and rapid detection. <i>Scientific Reports</i> , 2021, 11, 15985.	3.3	12
103	Local doping of graphene devices by selective hydrogen adsorption. <i>AIP Advances</i> , 2015, 5, 017120.	1.3	11
104	Two-dimensional SERS encoding method for on-bead peptide sequencing in high-throughput bioanalysis. <i>Chemical Communications</i> , 2019, 55, 2700-2703.	4.1	11
105	Recent Advances in Surface-Enhanced Raman Scattering Magnetic Plasmonic Particles for Bioapplications. <i>Nanomaterials</i> , 2021, 11, 1215.	4.1	11
106	Silver-Assembled Silica Nanoparticles in Lateral Flow Immunoassay for Visual Inspection of Prostate-Specific Antigen. <i>Sensors</i> , 2021, 21, 4099.	3.8	11
107	Identification of Secondary Chemistry Teachers' Ability to Carry-out Experimentation. <i>Journal of the Korean Chemical Society</i> , 2009, 53, 765-773.	0.2	11
108	Two-photon imaging of localized optical fields in the vicinity of silver nanowires using a scanning near-field optical microscope. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5876.	2.8	10

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109	Identification of Metalloporphyrins with High Sensitivity Using Graphene-Enhanced Resonance Raman Scattering. <i>Langmuir</i> , 2014, 30, 2960-2967.	3.5	10
110	Size-controllable and uniform gold bumpy nanocubes for single-particle-level surface-enhanced Raman scattering sensitivity. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9044-9051.	2.8	10
111	Sensitive detection of virus with broad dynamic range based on highly bright quantum dot-embedded nanoprobe and magnetic beads. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 90, 319-326.	5.8	10
112	Silver nanoparticles preferentially reduced on PEG-grafted glass surfaces for SERS applications. <i>Materials Research Bulletin</i> , 2013, 48, 1523-1529.	5.2	9
113	Fine size-regulation of nanocrystalline anatase-TiO ₂ via sol-gel synthesis and subsequent phase transformation by calcination. <i>New Journal of Chemistry</i> , 2013, 37, 1378.	2.8	9
114	Physicochemical Determinants of Multiwalled Carbon Nanotubes on Cellular Toxicity: Influence of a Synthetic Method and Post-treatment. <i>Chemical Research in Toxicology</i> , 2014, 27, 290-303.	3.3	9
115	High performance CNT point emitter with graphene interfacial layer. <i>Nanotechnology</i> , 2014, 25, 455601.	2.6	9
116	A fast and reliable readout method for quantitative analysis of surface-enhanced Raman scattering nanoprobe on chip surface. <i>Review of Scientific Instruments</i> , 2015, 86, 055004.	1.3	9
117	Effect of inhomogeneous broadening on the surface photochemistry of phthalazine. <i>Journal of Raman Spectroscopy</i> , 1999, 30, 595-598.	2.5	8
118	Fabrication and independent control of patterned polymer gate for a few-layer WSe ₂ field-effect transistor. <i>AIP Advances</i> , 2016, 6, .	1.3	8
119	Highly Sensitive Magnetic-SERS Dual-Function Silica Nanoprobes for Effective On-Site Organic Chemical Detection. <i>Nanomaterials</i> , 2017, 7, 146.	4.1	8
120	Adenosine Triphosphate-Encapsulated Liposomes with Plasmonic Nanoparticles for Surface Enhanced Raman Scattering-Based Immunoassays. <i>Sensors</i> , 2017, 17, 1480.	3.8	8
121	Au ion-mediated self-assembled tyrosine-rich peptide nanostructure embedded with gold nanoparticle satellites. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 64, 461-466.	5.8	8
122	Mono-6-Deoxy-6-Aminopropylamino- β -Cyclodextrin on Ag-Embedded SiO ₂ Nanoparticle as a Selectively Capturing Ligand to Flavonoids. <i>Nanomaterials</i> , 2019, 9, 1349.	4.1	8
123	Fabrication of Remarkably Bright QD Densely Embedded Silica Nanoparticle. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 9-13.	1.9	7
124	Graphical and SERS dual-modal identifier for encoding OBOC library. <i>Sensors and Actuators B: Chemical</i> , 2020, 303, 127211.	7.8	7
125	Picosecond transient resonance Raman study on the excited-state conformational dynamics of a highly ruffled nickel porphyrin. <i>Journal of Raman Spectroscopy</i> , 2001, 32, 487-493.	2.5	6
126	Direct Probe of Spectrally Narrowed Emission from π -Conjugated Polymers: The Elucidation of Mechanism for Spectral Line Narrowing. <i>Journal of Physical Chemistry B</i> , 2002, 106, 8921-8927.	2.6	6

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127	Strong optical coupling between mutually orthogonal plasmon oscillations in a silver nanosphere–nanowire joined system. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4146-4153.	2.8	6
128	Fabrication of Ag nanoaggregates/SiO ₂ yolk–shell nanoprobe for surface-enhanced Raman scattering. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 34-38.	5.8	6
129	Competition between electron doping and short-range scattering in hydrogenated bilayer graphene on hexagonal boron nitride. <i>RSC Advances</i> , 2015, 5, 103276-103279.	3.6	5
130	Magnetoresistance (MR) of twisted bilayer graphene on electron transparent substrate. <i>Synthetic Metals</i> , 2016, 216, 65-71.	3.9	5
131	Endoscopic imaging using surface-enhanced Raman scattering. <i>European Journal of Nanomedicine</i> , 2017, 9, .	0.6	5
132	Surface Modification of a Stable CdSeZnS/ZnS Alloy Quantum Dot for Immunoassay. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-9.	2.7	5
133	Silica Nanoparticles. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 41-65.	1.6	5
134	High-throughput multiplex analysis method based on Fluorescence–SERS quantum Dot-Embedded silver bumpy nanoprobe. <i>Applied Surface Science</i> , 2021, 558, 149787.	6.1	5
135	Crystal-like Growth of a Metal Oxide/CNT Composite Fiber with Electroplated “Seed” from a CNT-Dispersed Nonaqueous Electrolyte. <i>Langmuir</i> , 2010, 26, 15701-15705.	3.5	4
136	Binder-free, high-performance carbon nanotube line emitters fabricated using mechanical clamping process. <i>Journal of Alloys and Compounds</i> , 2015, 626, 287-291.	5.5	4
137	Manipulation of electrical properties in CVD-grown twisted bilayer graphene induced by dissociative hydrogen adsorption. <i>Current Applied Physics</i> , 2016, 16, 1637-1641.	2.4	4
138	Screening of Pro–Asp Sequences Exposed on Bacteriophage M13 as an Ideal Anchor for Gold Nanocubes. <i>ACS Synthetic Biology</i> , 2017, 6, 1635-1641.	3.8	4
139	Comparison of measurement protocol for biosensors using fiber optic localized surface plasmon resonance sensor. <i>Optical Fiber Technology</i> , 2020, 59, 102324.	2.7	4
140	Luminescent Nanomaterials (II). <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 97-132.	1.6	4
141	Plasmonic Nanoparticles: Basics to Applications (I). <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 133-159.	1.6	4
142	Corrigendum to “Target-specific near-IR induced drug release and photothermal therapy with accumulated Au/Ag hollow nanoshells on pulmonary cancer cell membranes” [Biomaterials 45 (2015) 81–92]. <i>Biomaterials</i> , 2015, 65, 124-125.	11.4	3
143	Photochemical Kinetics of Maleic to Fumaric Acid on Silver Nanoparticle Surfaces. <i>Bulletin of the Korean Chemical Society</i> , 2005, 26, 791-794.	1.9	3
144	Understanding and Improvement of an Experiment Measuring Chemical Reaction Rates by Monitoring Volume Change of a Gas: On the Reaction between HCl(aq) and Mg(s). <i>Journal of the Korean Chemical Society</i> , 2006, 50, 404-414.	0.2	3

#	ARTICLE	IF	CITATIONS
145	Nanoprobes: Near-Infrared SERS Nanoprobes with Plasmonic Au/Ag Hollow-Shell Assemblies for In Vivo Multiplex Detection (Adv. Funct. Mater. 30/2013). Advanced Functional Materials, 2013, 23, 3828-3828.	14.9	2
146	Plasmonic Nanoparticles: Advanced Researches (II). Advances in Experimental Medicine and Biology, 2021, 1309, 161-190.	1.6	2
147	Analysis and Optimization of Antibody Immobilization for Immunoassay Using Fiber-Optic Localized Surface Plasmon Resonance Biosensors. Nanoscience and Nanotechnology Letters, 2016, 8, 8-12.	0.4	2
148	Improved Experiment of the Learning Contents of 'Chemical Reaction Rate' Unit: Reaction of Dilute Hydrochloric Acid and Magnesium Ribbons. Journal of the Korean Chemical Society, 2009, 53, 51-61.	0.2	2
149	Controlled aggregation of silver nanoparticles using DEP force for SERS (surface enhanced Raman) Tj ETQq1 1 0.784314 rgBT /Overlook		
150	<i>In situ</i> fabrication of freestanding single-walled carbon nanotube rope interconnection. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2179-2185.	1.8	1
151	Luminescent Nanomaterials (I). Advances in Experimental Medicine and Biology, 2021, 1309, 67-96.	1.6	1
152	Controlled Clustering of Gold Nanoparticles using Solid-support for Surface-enhanced Raman Spectroscopic Probes. Bulletin of the Korean Chemical Society, 2014, 35, 941-944.	1.9	1
153	The Effects of Science Inquiry Learning Applying Open- Ended Hypothesis-Testing Learning Model: On the "Metals and Their Applications" Unit in Chemistry. Journal of the Korean Chemical Society, 2006, 50, 385-393.	0.2	1
154	Analysis and Development of Experimental Method of Charles' Law Applicable to School. Journal of the Korean Chemical Society, 2009, 53, 175-188.	0.2	1
155	Problem Analysis and Improvement of an Experiment on Reactivity of Metals in Chemistry.... Journal of the Korean Chemical Society, 2009, 53, 368-376.	0.2	1
156	Issues and Effects in Developing Inquiry-Based Argumentation Task for Science Teachers: A Case of Charles' Law Experiment. Journal of the Korean Association for Science Education, 2014, 34, 79-92.	0.1	1
157	Parallel Synthesis and Characterization of Photoelectrochemically and Electrochemically Active Tungsten-Molybdenum Oxides.. ChemInform, 2004, 35, no.	0.0	0
158	Engineering nanostructures for single-molecule surface-enhanced Raman spectroscopy. , 2004, , .		0
159	The Optical Property Characterization of SERS-Encoded Nanoprobe. , 2010, , .		0
160	Quantum Dots: Ultrasensitive, Biocompatible, Quantum-Dot-Embedded Silica Nanoparticles for Bioimaging (Adv. Funct. Mater. 9/2012). Advanced Functional Materials, 2012, 22, 1774-1774.	14.9	0
161	Fiber-Optic Localized Surface Plasmon Resonance sensor combined with micro fluidic channel. , 2015, , .		0
162	Photoacoustic imaging and surface-enhanced Raman spectroscopy using dual modal contrast agents. Proceedings of SPIE, 2016, , .	0.8	0

#	ARTICLE	IF	CITATIONS
163	Antibody-Based Therapeutics: Ultrasensitive NIR-SERS Probes with Multiplexed Ratiometric Quantification for In Vivo Antibody Leads Validation (Adv. Healthcare Mater. 4/2018). Advanced Healthcare Materials, 2018, 7, 1870019.	7.6	0
164	Improved Performance of Fiber Optic Localized Surface Plasmon Resonance Sensor via Gold Capping and Anti-Reflection Surface. , 2019, , .		0
165	Conclusion and Perspective. Advances in Experimental Medicine and Biology, 2021, 1309, 289-292.	1.6	0
166	Ultrafast Energy Relaxation Processes of Long Molecular Wires Based on Zinc(II)porphyrins. Springer Series in Chemical Physics, 2001, , 601-603.	0.2	0
167	Analysis of Selection Items Test for Selecting Scientifically Gifted Students in Chemistry Class. Journal of the Korean Chemical Society, 2008, 52, 295-302.	0.2	0
168	Immunoassays and Imaging Based on Surface-Enhanced Raman Spectroscopy. , 2012, , 261-289.		0
169	Near-Infrared SERS Nanoprobes with Plasmonic Au/Ag Hollow-Shell Assemblies for In Vivo Multiplex Detection. Rapid Communication in Photoscience, 2012, 1, 53-53.	0.1	0
170	An Investigation on Pre-service Chemistry Teachers' Difficulties in Practice of Inquiry-based Experiment. Journal of the Korean Chemical Society, 2015, 59, 434-444.	0.2	0
171	Template-Assisted Plasmonic Nanogap Shells for Highly Enhanced Detection of Cancer Biomarkers. SSRN Electronic Journal, 0, , .	0.4	0
172	The Suitability and Characteristics Analysis of Key Science Inquiry Activities in the 2015 National Science Curriculum in Korea. Asia-Pacific Science Education, 2022, 8, 1-37.	0.8	0