

# Bong-Hyun Jun

## List of Publications by Year in descending order

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180  
papers

6,585  
citations

76031

42  
h-index

87275

74  
g-index

188  
all docs

188  
docs citations

188  
times ranked

10308  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-quantum yield alloy-typed core/shell CdSeZnS/ZnS quantum dots for bio-applications. <i>Journal of Nanobiotechnology</i> , 2022, 20, 22.	4.2	22
2	Mag-spinner: a next-generation Facile, Affordable, Simple, and porTable (FAST) magnetic separation system. <i>Nanoscale Advances</i> , 2022, 4, 792-800.	2.2	3
3	Movable Layer Device for Rapid Detection of Influenza a H1N1 Virus Using Highly Bright Multi-Quantum Dot-Embedded Particles and Magnetic Beads. <i>Nanomaterials</i> , 2022, 12, 284.	1.9	2
4	Efficient Production of Naringin Acetate with Different Acyl Donors via Enzymatic Transesterification by Lipases. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2972.	1.2	6
5	Highly sensitive near-infrared SERS nanoprobe for in vivo imaging using gold-assembled silica nanoparticles with controllable nanogaps. <i>Journal of Nanobiotechnology</i> , 2022, 20, 130.	4.2	26
6	Highly specific chimeric DNA-RNA-guided genome editing with enhanced CRISPR-Cas12a system. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 28, 353-362.	2.3	4
7	Lateral Flow Immunoassay with Quantum-Dot-Embedded Silica Nanoparticles for Prostate-Specific Antigen Detection. <i>Nanomaterials</i> , 2022, 12, 33.	1.9	21
8	Expansion of the prime editing modality with Cas9 from <i>Francisella novicida</i> . <i>Genome Biology</i> , 2022, 23, 92.	3.8	13
9	Synthesis of Gold-Platinum Core-Shell Nanoparticles Assembled on a Silica Template and Their Peroxidase Nanozyme Properties. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6424.	1.8	7
10	Real-time monitoring of geosmin based on an aptamer-conjugated graphene field-effect transistor. <i>Biosensors and Bioelectronics</i> , 2021, 174, 112804.	5.3	30
11	Silica Nanoparticles. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 41-65.	0.8	5
12	Luminescent Nanomaterials (I). <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 67-96.	0.8	1
13	Plasmonic Nanoparticles: Advanced Researches (II). <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 161-190.	0.8	2
14	Optical and Electron Microscopy for Analysis of Nanomaterials. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 277-287.	0.8	2
15	Lithography Technology for Micro- and Nanofabrication. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 217-233.	0.8	5
16	Bioapplications of Nanomaterials. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 235-255.	0.8	3
17	Conclusion and Perspective. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 289-292.	0.8	0
18	General in Colloidal Nanoparticles. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 23-40.	0.8	1

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19	Carbon Nanomaterials for Biomedical Application. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 257-276.	0.8	4
20	Template-Assisted Plasmonic Nanogap Shells for Highly Enhanced Detection of Cancer Biomarkers. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1752.	1.8	14
21	Multi-Quantum Dots-Embedded Silica-Encapsulated Nanoparticle-Based Lateral Flow Assay for Highly Sensitive Exosome Detection. <i>Nanomaterials</i> , 2021, 11, 768.	1.9	27
22	Synthesis of Densely Immobilized Gold-Assembled Silica Nanostructures. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2543.	1.8	7
23	Au@Ag assembled on silica nanoprobe for visual semiquantitative detection of prostate-specific antigen. <i>Journal of Nanobiotechnology</i> , 2021, 19, 73.	4.2	23
24	Metal Nano/Microparticles for Bioapplications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4543.	1.8	0
25	Glucose Detection of 4-Mercaptophenylboronic Acid-Immobilized Gold-Silver Core-Shell Assembled Silica Nanostructure by Surface Enhanced Raman Scattering. <i>Nanomaterials</i> , 2021, 11, 948.	1.9	11
26	Recent Advances in Surface-Enhanced Raman Scattering Magnetic Plasmonic Particles for Bioapplications. <i>Nanomaterials</i> , 2021, 11, 1215.	1.9	11
27	Silver-Assembled Silica Nanoparticles in Lateral Flow Immunoassay for Visual Inspection of Prostate-Specific Antigen. <i>Sensors</i> , 2021, 21, 4099.	2.1	11
28	High-throughput multiplex analysis method based on Fluorescence@SERS quantum Dot-Embedded silver bumpy nanoprobe. <i>Applied Surface Science</i> , 2021, 558, 149787.	3.1	5
29	Synthesis of Finely Controllable Sizes of Au Nanoparticles on a Silica Template and Their Nanozyme Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10382.	1.8	6
30	Synthesis and Application of Silica-Coated Quantum Dots in Biomedicine. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10116.	1.8	19
31	Luminescent Nanomaterials (II). <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 97-132.	0.8	4
32	Introduction of Nanobiotechnology. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 1-22.	0.8	4
33	Plasmonic Nanoparticles: Basics to Applications (I). <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 133-159.	0.8	4
34	Magnetic Nanoparticles. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1309, 191-215.	0.8	9
35	Effect of Au Nanoparticles and Scattering Layer in Dye-Sensitized Solar Cells Based on Freestanding TiO <sub>2</sub> Nanotube Arrays. <i>Nanomaterials</i> , 2021, 11, 328.	1.9	5
36	Nonenzymatic Hydrogen Peroxide Detection Using Surface-Enhanced Raman Scattering of Gold@Silver Core@Shell-Assembled Silica Nanostructures. <i>Nanomaterials</i> , 2021, 11, 2748.	1.9	10

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37	Ultra-Fine Control of Silica Shell Thickness on Silver Nanoparticle-Assembled Structures. International Journal of Molecular Sciences, 2021, 22, 11983.	1.8	3
38	Optimizing the Aspect Ratio of Nanopatterned Mesoporous TiO <sub>2</sub> Thin-Film Layer to Improve Energy Conversion Efficiency of Perovskite Solar Cells. International Journal of Molecular Sciences, 2021, 22, 12235.	1.8	6
39	Graphical and SERS dual-modal identifier for encoding OBOC library. Sensors and Actuators B: Chemical, 2020, 303, 127211.	4.0	7
40	Single-photon-driven up-/down-conversion nanohybrids for <i>in vivo</i> mercury detection and real-time tracking. Journal of Materials Chemistry A, 2020, 8, 1668-1677.	5.2	13
41	Single photomask lithography for shape modulation of micropatterns. Journal of Industrial and Engineering Chemistry, 2020, 84, 196-201.	2.9	9
42	Sensitive and selective detection of 4-aminophenol in the presence of acetaminophen using gold-silver core-shell nanoparticles embedded in silica nanostructures. Journal of Industrial and Engineering Chemistry, 2020, 83, 208-213.	2.9	16
43	Enhancement of target specificity of CRISPR-Cas12a by using a chimeric DNA-RNA guide. Nucleic Acids Research, 2020, 48, 8601-8616.	6.5	63
44	Prediction-based highly sensitive CRISPR off-target validation using target-specific DNA enrichment. Nature Communications, 2020, 11, 3596.	5.8	41
45	Surface Modification of a Stable CdSeZnS/ZnS Alloy Quantum Dot for Immunoassay. Journal of Nanomaterials, 2020, 2020, 1-9.	1.5	5
46	Synthesis, Properties, and Biological Applications of Metallic Alloy Nanoparticles. International Journal of Molecular Sciences, 2020, 21, 5174.	1.8	113
47	Sensitive detection of virus with broad dynamic range based on highly bright quantum dot-embedded nanoprobe and magnetic beads. Journal of Industrial and Engineering Chemistry, 2020, 90, 319-326.	2.9	10
48	High-performance portable graphene field-effect transistor device for detecting Gram-positive and -negative bacteria. Biosensors and Bioelectronics, 2020, 167, 112514.	5.3	39
49	A Lateral Flow Immunoassay for Prostate-Specific Antigen Detection Using Silica-Coated CdSe@ZnS Quantum Dots. Bulletin of the Korean Chemical Society, 2020, 41, 989-993.	1.0	9
50	Enzyme-amplified SERS immunoassay with Ag-Au bimetallic SERS hot spots. Nano Research, 2020, 13, 3338-3346.	5.8	56
51	Facile Histamine Detection by Surface-Enhanced Raman Scattering Using SiO <sub>2</sub> @Au@Ag Alloy Nanoparticles. International Journal of Molecular Sciences, 2020, 21, 4048.	1.8	26
52	Facile Synthesis of Cubic Magnetic Up-Conversion Nanoparticles. Bulletin of the Korean Chemical Society, 2020, 41, 682-685.	1.0	0
53	Sensitive Colorimetric Detection of Prostate Specific Antigen Using a Peroxidase-Mimicking Anti-PSA Antibody Coated Au Nanoparticle. Biochip Journal, 2020, 14, 158-168.	2.5	20
54	Highly Reproducible Surface-Enhanced Raman Scattering Detection of Alternariol Using Silver-Embedded Silica Nanoparticles. Sensors, 2020, 20, 3523.	2.1	15

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55	Silver Nano/Microparticles: Modification and Applications 2.0. International Journal of Molecular Sciences, 2020, 21, 4395.	1.8	4
56	High-Performance Conducting Polymer Nanotube-based Liquid-Ion Gated Field-Effect Transistor Aptasensor for Dopamine Exocytosis. Scientific Reports, 2020, 10, 3772.	1.6	29
57	Silica-Coated Magnetic Iron Oxide Nanoparticles Grafted onto Graphene Oxide for Protein Isolation. Nanomaterials, 2020, 10, 117.	1.9	57
58	Ultrasensitive Stress Biomarker Detection Using Polypyrrole Nanotube Coupled to a Field-Effect Transistor. Micromachines, 2020, 11, 439.	1.4	21
59	Evaluation of Sterilization Performance for Vaporized-Hydrogen-Peroxide-Based Sterilizer with Diverse Controlled Parameters. ACS Omega, 2020, 5, 29382-29387.	1.6	0
60	Evaluation of Sterilization Performance for Vaporized-Hydrogen-Peroxide-Based Sterilizer with Diverse Controlled Parameters. ACS Omega, 2020, 5, 29382-29387.	1.6	5
61	Plasmonic and charging effects in dye-sensitized solar cells with Au nanoparticles incorporated into the channels of freestanding TiO <sub>2</sub> nanotube arrays by an electrodeposition method. Journal of Industrial and Engineering Chemistry, 2019, 80, 311-317.	2.9	13
62	4-Mercaptobenzoic Acid Labeled Gold-Silver-Alloy-Embedded Silica Nanoparticles as an Internal Standard Containing Nanostructures for Sensitive Quantitative Thiram Detection. International Journal of Molecular Sciences, 2019, 20, 4841.	1.8	40
63	Mono-6-Deoxy-6-Aminopropylamino- $\beta$ -Cyclodextrin on Ag-Embedded SiO <sub>2</sub> Nanoparticle as a Selectively Capturing Ligand to Flavonoids. Nanomaterials, 2019, 9, 1349.	1.9	8
64	Functionalized $\beta$ -Cyclodextrin Immobilized on Ag-Embedded Silica Nanoparticles as a Drug Carrier. International Journal of Molecular Sciences, 2019, 20, 315.	1.8	19
65	Emerging ultrafast nucleic acid amplification technologies for next-generation molecular diagnostics. Biosensors and Bioelectronics, 2019, 141, 111448.	5.3	61
66	Silver Nano/Microparticles: Modification and Applications. International Journal of Molecular Sciences, 2019, 20, 2609.	1.8	11
67	Substituent effects of phenylboronic acid-functionalized resins in pH-controlled separation of catecholic flavonoids. Journal of Industrial and Engineering Chemistry, 2019, 77, 164-170.	2.9	7
68	Control of Silver Coating on Raman Label Incorporated Gold Nanoparticles Assembled Silica Nanoparticles. International Journal of Molecular Sciences, 2019, 20, 1258.	1.8	26
69	Silver Nanoparticles: Synthesis and Application for Nanomedicine. International Journal of Molecular Sciences, 2019, 20, 865.	1.8	829
70	On-chip plasmonic immunoassay based on targeted assembly of gold nanoplasmonic particles. Analyst, The, 2019, 144, 2820-2826.	1.7	7
71	Au-Nanoparticle-Embedded Open-Ended Freestanding TiO <sub>2</sub> Nanotube Arrays in Dye-Sensitized Solar Cells for Better Electron Generation and Electron Transport. ACS Omega, 2019, 4, 20346-20352.	1.6	8
72	Au-Embedded and Carbon-Doped Freestanding TiO <sub>2</sub> Nanotube Arrays in Dye-Sensitized Solar Cells for Better Energy Conversion Efficiency. Micromachines, 2019, 10, 805.	1.4	7

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73	Nanophotonic Cell Lysis and Polymerase Chain Reaction with Gravity-Driven Cell Enrichment for Rapid Detection of Pathogens. <i>ACS Nano</i> , 2019, 13, 13866-13874.	7.3	44
74	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.	2.8	29
75	Fabrication of Remarkably Bright QD Densely Embedded Silica Nanoparticle. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 9-13.	1.0	7
76	Bubble-free rapid microfluidic PCR. <i>Biosensors and Bioelectronics</i> , 2019, 126, 725-733.	5.3	53
77	Advances in dynamic microphysiological organ-on-a-chip: Design principle and its biomedical application. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 71, 65-77.	2.9	28
78	Enzyme-catalyzed Ag Growth on Au Nanoparticle-assembled Structure for Highly Sensitive Colorimetric Immunoassay. <i>Scientific Reports</i> , 2018, 8, 6290.	1.6	44
79	Ag and Ag <sup>+</sup> Au Introduced Silica-coated Magnetic Beads. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 250-256.	1.0	5
80	Polyethylene Glycol-Engrafted Graphene Oxide as Biocompatible Materials for Peptide Nucleic Acid Delivery into Cells. <i>Bioconjugate Chemistry</i> , 2018, 29, 528-537.	1.8	45
81	Microphysiological Analysis Platform of Pancreatic Islet $\beta$ Cell Spheroids. <i>Advanced Healthcare Materials</i> , 2018, 7, 1701111.	3.9	60
82	Antibody-Based Therapeutics: Ultrasensitive NIR-SERS Probes with Multiplexed Ratiometric Quantification for In Vivo Antibody Leads Validation ( <i>Adv. Healthcare Mater.</i> 4/2018). <i>Advanced Healthcare Materials</i> , 2018, 7, 1870019.	3.9	0
83	Enhancement of power conversion efficiency with TiO <sub>2</sub> nanoparticles/nanotubes-silver nanoparticles composites in dye-sensitized solar cells. <i>Applied Surface Science</i> , 2018, 429, 23-28.	3.1	38
84	Recent advances in plasmonic dye-sensitized solar cells. <i>Journal of Solid State Chemistry</i> , 2018, 258, 271-282.	1.4	43
85	Ultrasensitive NIR-SERS Probes with Multiplexed Ratiometric Quantification for In Vivo Antibody Leads Validation. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700870.	3.9	17
86	Multifunctional self-assembled monolayers via microcontact printing and degas-driven flow guided patterning. <i>Scientific Reports</i> , 2018, 8, 16763.	1.6	22
87	Multilayer Ag-Embedded Silica Nanostructure as a Surface-Enhanced Raman Scattering-Based Chemical Sensor with Dual-Function Internal Standards. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 40748-40755.	4.0	49
88	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.	1.6	30
89	Radial Flow Assay Using Gold Nanoparticles and Rolling Circle Amplification to Detect Mercuric Ions. <i>Nanomaterials</i> , 2018, 8, 81.	1.9	21
90	High-performance bioelectronic tongue using ligand binding domain T1R1 VFT for umami taste detection. <i>Biosensors and Bioelectronics</i> , 2018, 117, 628-636.	5.3	49

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91	Highly robust and optimized conjugation of antibodies to nanoparticles using quantitatively validated protocols. <i>Nanoscale</i> , 2017, 9, 2548-2555.	2.8	39
92	Characterization and regulated naproxen release of hydroxypropyl cyclosophoraose-pullulan microspheres. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 48, 108-118.	2.9	28
93	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.	1.7	45
94	Graphene Oxide Conjugated Magnetic Beads for RNA Extraction. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1883-1888.	1.7	16
95	Fluorometric detection of influenza virus RNA by PCR-coupled rolling circle amplification generating G-quadruplex. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 894-901.	4.0	15
96	Preparation of plasmonic monolayer with Ag and Au nanoparticles for dye-sensitized solar cells. <i>Chemical Physics Letters</i> , 2017, 687, 152-157.	1.2	12
97	Endoscopic imaging using surface-enhanced Raman scattering. <i>European Journal of Nanomedicine</i> , 2017, 9, .	0.6	5
98	Simultaneous Detection of EGFR and VEGF in Colorectal Cancer using Fluorescence-Raman Endoscopy. <i>Scientific Reports</i> , 2017, 7, 1035.	1.6	33
99	Synthesis method of asymmetric gold particles. <i>Scientific Reports</i> , 2017, 7, 2921.	1.6	3
100	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.	2.5	43
101	Carbon-doped freestanding TiO <sub>2</sub> nanotube arrays in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2017, 41, 285-289.	1.4	17
102	SERS-Based Flavonoid Detection Using Ethylenediamine- $\beta$ -Cyclodextrin as a Capturing Ligand. <i>Nanomaterials</i> , 2017, 7, 8.	1.9	17
103	Multi-Shaped Ag Nanoparticles in the Plasmonic Layer of Dye-Sensitized Solar Cells for Increased Power Conversion Efficiency. <i>Nanomaterials</i> , 2017, 7, 136.	1.9	40
104	Highly Sensitive Magnetic-SERS Dual-Function Silica Nanoprobes for Effective On-Site Organic Chemical Detection. <i>Nanomaterials</i> , 2017, 7, 146.	1.9	8
105	Adenosine Triphosphate-Encapsulated Liposomes with Plasmonic Nanoparticles for Surface Enhanced Raman Scattering-Based Immunoassays. <i>Sensors</i> , 2017, 17, 1480.	2.1	8
106	Dual Functionalized Freestanding TiO <sub>2</sub> Nanotube Arrays Coated with Ag Nanoparticles and Carbon Materials for Dye-Sensitized Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 576.	1.3	16
107	Enhanced Efficiency in Dye-Sensitized Solar Cells by Electron Transport and Light Scattering on Freestanding TiO <sub>2</sub> Nanotube Arrays. <i>Nanomaterials</i> , 2017, 7, 345.	1.9	8
108	Thin silica shell coated Ag assembled nanostructures for expanding generality of SERS analytes. <i>PLoS ONE</i> , 2017, 12, e0178651.	1.1	18

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109	Facile Method for Preparation of Silica Coated Monodisperse Superparamagnetic Microspheres. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-9.	1.5	14
110	Synthesis, Characterization, and Retinol Stabilization of Fatty Amide- $\beta$ -cyclodextrin Conjugates. <i>Molecules</i> , 2016, 21, 963.	1.7	9
111	Ag Nanoparticle-Functionalized Open-Ended Freestanding TiO <sub>2</sub> Nanotube Arrays with a Scattering Layer for Improved Energy Conversion Efficiency in Dye-Sensitized Solar Cells. <i>Nanomaterials</i> , 2016, 6, 117.	1.9	25
112	Silver Nanoparticle-Embedded Thin Silica-Coated Graphene Oxide as an SERS Substrate. <i>Nanomaterials</i> , 2016, 6, 176.	1.9	13
113	Molecular profiling of single circulating tumor cells from lung cancer patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E8379-E8386.	3.3	90
114	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.	4.0	74
115	Size effect of gold on Ag-coated Au nanoparticle-embedded silica nanospheres. <i>RSC Advances</i> , 2016, 6, 48644-48650.	1.7	19
116	A synthetic encapsulating emulsifier using complex-forming pentacosadiynoyl cyclophosphoraooses (cyclic $\beta$ -(1, 2)-D-glucan). <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 44, 195-203.	2.9	8
117	$\beta$ -CD Dimer-immobilized Ag Assembly Embedded Silica Nanoparticles for Sensitive Detection of Polycyclic Aromatic Hydrocarbons. <i>Scientific Reports</i> , 2016, 6, 26082.	1.6	31
118	Duplex Bioelectronic Tongue for Sensing Umami and Sweet Tastes Based on Human Taste Receptor Nanovesicles. <i>ACS Nano</i> , 2016, 10, 7287-7296.	7.3	78
119	Chemically functionalized silica gel with alkynyl terminated monolayers as an efficient new material for removal of mercury ions from water. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 35, 376-382.	2.9	32
120	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.	2.9	34
121	Recent Progress in Dye-Sensitized Solar Cells for Improving Efficiency: TiO <sub>2</sub> Nanotube Arrays in Active Layer. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-17.	1.5	47
122	Fabrication of Ag nanoaggregates/SiO <sub>2</sub> yolk-shell nanoprobes for surface-enhanced Raman scattering. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 34-38.	2.9	6
123	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.	2.9	12
124	Preparation of plasmonic magnetic nanoparticles and their light scattering properties. <i>RSC Advances</i> , 2015, 5, 21050-21053.	1.7	12
125	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.	5.7	69
126	Ultrafast photonic PCR. <i>Light: Science and Applications</i> , 2015, 4, e280-e280.	7.7	176



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127	Direct Identification of On-Bead Peptides Using Surface-Enhanced Raman Spectroscopic Barcoding System for High-Throughput Bioanalysis. <i>Scientific Reports</i> , 2015, 5, 10144.	1.6	29
128	Fabrication of mono-dispersed silica-coated quantum dot-assembled magnetic nanoparticles. <i>RSC Advances</i> , 2015, 5, 32072-32077.	1.7	13
129	Fluorescence-Raman Dual Modal Endoscopic System for Multiplexed Molecular Diagnostics. <i>Scientific Reports</i> , 2015, 5, 9455.	1.6	73
130	Corrigendum to "Target-specific near-IR induced drug release and photothermal therapy with accumulated Au/Ag hollow nanoshells on pulmonary cancer cell membranes" [ <i>Biomaterials</i> 45 (2015) 81-92]. <i>Biomaterials</i> , 2015, 65, 124-125.	5.7	3
131	Double-Layer Magnetic Nanoparticle-Embedded Silica Particles for Efficient Bio-Separation. <i>PLoS ONE</i> , 2015, 10, e0143727.	1.1	27
132	Liposome solubilization induced by complexation with dimeric $\beta$ -cyclodextrin. <i>Journal of Inclusion Phenomena and Macroscopic Chemistry</i> , 2014, 80, 427-435.	0.9	9
133	Supramolecular self-assembled aggregates formed by pentacosyl-10,12-diyne amidomethyl- $\beta$ -cyclodextrin. <i>Carbohydrate Research</i> , 2014, 391, 37-42.	1.1	9
134	Toward Integrated Molecular Diagnostic System (Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 on Biomedical Engineering, 2014, 61, 1506-1521.	2.5	17
135	Mild, Selective Oxidation of Aromatic Alcohols Using $\beta$ -Cyclodextrin-Functionalized Glass Microparticles: Characterization, Stability, and Application. <i>Synthetic Communications</i> , 2014, 44, 589-599.	1.1	1
136	Front-illuminated dye-sensitized solar cells with Ag nanoparticle-functionalized freestanding TiO <sub>2</sub> nanotube arrays. <i>Chemical Physics Letters</i> , 2014, 614, 78-81.	1.2	20
137	Dye-sensitized solar cells with silica-coated quantum dot-embedded nanoparticles used as a light-harvesting layer. <i>New Journal of Chemistry</i> , 2014, 38, 910.	1.4	5
138	Facile synthesis of monodispersed silica-coated magnetic nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2646-2649.	2.9	65
139	Improved Energy Conversion Efficiency of Dye-sensitized Solar Cells Fabricated using Open-ended TiO <sub>2</sub> Nanotube Arrays with Scattering Layer. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 1165-1168.	1.0	11
140	Synthesis of Microbial Cyclophorase Derivatives Grafted Magnetic Nanoparticles. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 1233-1236.	1.0	1
141	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.	7.8	121
142	Quantum dot-assembled nanoparticles with polydiacetylene supramolecule toward label-free, multiplexed optical detection. <i>Journal of Colloid and Interface Science</i> , 2013, 394, 44-48.	5.0	8
143	Fabrication of biofunctional stents with endothelial progenitor cell specificity for vascular re-endothelialization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 744-751.	2.5	22
144	Nanoprobes: Near-Infrared SERS Nanoprobes with Plasmonic Au/Ag Hollow Shell Assemblies for In Vivo Multiplex Detection ( <i>Adv. Funct. Mater.</i> 30/2013). <i>Advanced Functional Materials</i> , 2013, 23, 3828-3828.	7.8	2

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145	Binding model for eriodictyol to Jun-N terminal kinase and its anti-inflammatory signaling pathway. <i>BMB Reports</i> , 2013, 46, 594-599.	1.1	31
146	Bioelectronic nose with high sensitivity and selectivity using chemically functionalized carbon nanotube combined with human olfactory receptor. <i>Journal of Biotechnology</i> , 2012, 157, 467-472.	1.9	96
147	Ultrasensitive Flexible Graphene Based Field-Effect Transistor (FET)-Type Bioelectronic Nose. <i>Nano Letters</i> , 2012, 12, 5082-5090.	4.5	312
148	Ultrasensitive, Biocompatible, Quantum-Dot-Embedded Silica Nanoparticles for Bioimaging. <i>Advanced Functional Materials</i> , 2012, 22, 1843-1849.	7.8	123
149	Quantum Dots: Ultrasensitive, Biocompatible, Quantum-Dot-Embedded Silica Nanoparticles for Bioimaging ( <i>Adv. Funct. Mater.</i> 9/2012). <i>Advanced Functional Materials</i> , 2012, 22, 1774-1774.	7.8	0
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