

Hyung-Mo Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1680376/publications.pdf>

Version: 2024-02-01

40
papers

980
citations

361045

20
h-index

454577

30
g-index

41
all docs

41
docs citations

41
times ranked

1280
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of monodispersed silica-coated magnetic nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2646-2649.	2.9	65
2	Silica-Coated Magnetic Iron Oxide Nanoparticles Grafted onto Graphene Oxide for Protein Isolation. <i>Nanomaterials</i> , 2020, 10, 117.	1.9	57
3	Enzyme-amplified SERS immunoassay with Ag-Au bimetallic SERS hot spots. <i>Nano Research</i> , 2020, 13, 3338-3346.	5.8	56
4	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.	4.0	49
5	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
6	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
7	Enzyme-catalyzed Ag Growth on Au Nanoparticle-assembled Structure for Highly Sensitive Colorimetric Immunoassay. <i>Scientific Reports</i> , 2018, 8, 6290.	1.6	44
8	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
9	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.	1.8	40
10	Highly robust and optimized conjugation of antibodies to nanoparticles using quantitatively validated protocols. <i>Nanoscale</i> , 2017, 9, 2548-2555.	2.8	39
11	Large scale synthesis of surface-enhanced Raman scattering nanoprobe with high reproducibility and long-term stability. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 33, 22-27.	2.9	34
12	Î2-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
13	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
14	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
15	Double-Layer Magnetic Nanoparticle-Embedded Silica Particles for Efficient Bio-Separation. <i>PLoS ONE</i> , 2015, 10, e0143727.	1.1	27
16	Control of Silver Coating on Raman Label Incorporated Gold Nanoparticles Assembled Silica Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1258.	1.8	26
17	Facile Histamine Detection by Surface-Enhanced Raman Scattering Using SiO ₂ @Au@Ag Alloy Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4048.	1.8	26
18	Ag Nanoparticle-Functionalized Open-Ended Freestanding TiO ₂ 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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Lateral Flow Immunoassay with Quantum-Dot-Embedded Silica Nanoparticles for Prostate-Specific Antigen Detection. <i>Nanomaterials</i> , 2022, 12, 33.	1.9	21
22	Sensitive Colorimetric Detection of Prostate Specific Antigen Using a Peroxidase-Mimicking Anti-PSA Antibody Coated Au Nanoparticle. <i>Biochip Journal</i> , 2020, 14, 158-168.	2.5	20
23	Thin silica shell coated Ag assembled nanostructures for expanding generality of SERS analytes. <i>PLoS ONE</i> , 2017, 12, e0178651.	1.1	18
24	Carbon-doped freestanding TiO ₂ nanotube arrays in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2017, 41, 285-289.	1.4	17
25	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.	2.9	16
26	Facile Method for Preparation of Silica Coated Monodisperse Superparamagnetic Microspheres. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-9.	1.5	14
27	Silver Nanoparticle-Embedded Thin Silica-Coated Graphene Oxide as an SERS Substrate. <i>Nanomaterials</i> , 2016, 6, 176.	1.9	13
28	Plasmonic and charging effects in dye-sensitized solar cells with Au nanoparticles incorporated into the channels of freestanding TiO ₂ nanotube arrays by an electrodeposition method. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 80, 311-317.	2.9	13
29	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
30	Preparation of plasmonic magnetic nanoparticles and their light scattering properties. <i>RSC Advances</i> , 2015, 5, 21050-21053.	1.7	12
31	Silver-Assembled Silica Nanoparticles in Lateral Flow Immunoassay for Visual Inspection of Prostate-Specific Antigen. <i>Sensors</i> , 2021, 21, 4099.	2.1	11
32	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.	2.9	10
33	A Lateral Flow Immunoassay for Prostate-Specific Antigen Detection Using Silica-Coated CdSe@ZnS Quantum Dots. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 989-993.	1.0	9
34	Highly Sensitive Magnetic-SERS Dual-Function Silica Nanoprobes for Effective On-Site Organic Chemical Detection. <i>Nanomaterials</i> , 2017, 7, 146.	1.9	8
35	Adenosine Triphosphate-Encapsulated Liposomes with Plasmonic Nanoparticles for Surface Enhanced Raman Scattering-Based Immunoassays. <i>Sensors</i> , 2017, 17, 1480.	2.1	8
36	Fabrication of Remarkably Bright QD Densely Embedded Silica Nanoparticle. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 9-13.	1.0	7

#	ARTICLE	IF	CITATIONS
37	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.	2.9	6
38	Optimizing the Aspect Ratio of Nanopatterned Mesoporous TiO ₂ Thin-Film Layer to Improve Energy Conversion Efficiency of Perovskite Solar Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12235.	1.8	6
39	Surface Modification of a Stable CdSeZnS/ZnS Alloy Quantum Dot for Immunoassay. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-9.	1.5	5
40	Facile Synthesis of Cubic Magnetic UpConversion Nanoparticles. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 682-685.	1.0	0