

# Jin-Ho Lee

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,132  
citations

394286

19  
h-index

395590

33  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1828  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Gold Nanoparticle to Plasmonic Biosensors. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2021.	1.8	108
2	Electrical Property of Graphene and Its Application to Electrochemical Biosensing. <i>Nanomaterials</i> , 2019, 9, 297.	1.9	88
3	Highly sensitive localized surface plasmon resonance immunosensor for label-free detection of HIV-1. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 1018-1026.	1.7	87
4	3-D nanoporous gold thin film for the simultaneous electrochemical determination of dopamine and ascorbic acid. <i>Electrochemistry Communications</i> , 2010, 12, 1756-1759.	2.3	79
5	Nondestructive Characterization of Stem Cell Neurogenesis by a Magneto-Plasmonic Nanomaterial-Based Exosomal miRNA Detection. <i>ACS Nano</i> , 2019, 13, 8793-8803.	7.3	65
6	Dual-Enhanced Raman Scattering-Based Characterization of Stem Cell Differentiation Using Graphene-Plasmonic Hybrid Nanoarray. <i>Nano Letters</i> , 2019, 19, 8138-8148.	4.5	59
7	General and programmable synthesis of hybrid liposome/metal nanoparticles. <i>Science Advances</i> , 2016, 2, e1601838.	4.7	55
8	Selective isolation and noninvasive analysis of circulating cancer stem cells through Raman imaging. <i>Biosensors and Bioelectronics</i> , 2018, 102, 372-382.	5.3	50
9	Rapid and Sensitive Determination of HIV-1 Virus Based on Surface Enhanced Raman Spectroscopy. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 2223-2230.	0.5	47
10	<i>In Situ</i> Detection of Neurotransmitters from Stem Cell-Derived Neural Interface at the Single-Cell Level via Graphene-Hybrid SERS Nanobiosensing. <i>Nano Letters</i> , 2020, 20, 7670-7679.	4.5	46
11	Nondestructive Real-Time Monitoring of Enhanced Stem Cell Differentiation Using a Graphene-Au Hybrid Nanoelectrode Array. <i>Advanced Materials</i> , 2018, 30, e1802762.	11.1	44
12	Electrochemical sensor based on direct electron transfer of HIV-1 Virus at Au nanoparticle modified ITO electrode. <i>Biosensors and Bioelectronics</i> , 2013, 49, 531-535.	5.3	42
13	Label-free detection of $\hat{1}^3$ -aminobutyric acid based on silicon nanowire biosensor. <i>Nano Convergence</i> , 2019, 6, 13.	6.3	39
14	Noble Metal-Assisted Surface Plasmon Resonance Immunosensors. <i>Sensors</i> , 2020, 20, 1003.	2.1	33
15	Intrinsic and extrinsic mechanical properties related to the differentiation of mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2016, 473, 752-757.	1.0	27
16	Localized Surface Plasmon Resonance-Based Label-Free Biosensor for Highly Sensitive Detection of Dopamine. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 5658-5661.	0.9	25
17	Application of Plasmonic Gold Nanoparticle for Drug Delivery System. <i>Current Drug Targets</i> , 2018, 19, 271-278.	1.0	23
18	Development of a HIV-1 Virus Detection System Based on Nanotechnology. <i>Sensors</i> , 2015, 15, 9915-9927.	2.1	22

#	ARTICLE	IF	CITATIONS
19	Fabrication of Electrochemical Influenza Virus (H1N1) Biosensor Composed of Multifunctional DNA Four-Way Junction and Molybdenum Disulfide Hybrid Material. <i>Materials</i> , 2021, 14, 343.	1.3	20
20	Signal Enhancement of Surface Plasmon Resonance Based Immunosensor Using Gold Nanoparticle-Antibody Complex for $\beta$ -Amyloid (1-40) Detection. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 7155-60.	0.9	19
21	Electrical detection-based analytic biodevice technology. <i>Biochip Journal</i> , 2010, 4, 1-8.	2.5	19
22	Nano-Biosensor for Monitoring the Neural Differentiation of Stem Cells. <i>Nanomaterials</i> , 2016, 6, 224.	1.9	18
23	Recent Advancements in Nanoparticle-Based Optical Biosensors for Circulating Cancer Biomarkers. <i>Materials</i> , 2021, 14, 1339.	1.3	18
24	Recent Advances in Aptasensor for Cytokine Detection: A Review. <i>Sensors</i> , 2021, 21, 8491.	2.1	18
25	Functional nanoarrays for investigating stem cell fate and function. <i>Nanoscale</i> , 2020, 12, 9306-9326.	2.8	15
26	Electrical detection of $\beta$ -amyloid (1-40) using scanning tunneling microscopy. <i>Ultramicroscopy</i> , 2009, 109, 923-928.	0.8	13
27	Phenotypic change of mesenchymal stem cells into smooth muscle cells regulated by dynamic cell-surface interactions on patterned arrays of ultrathin graphene oxide substrates. <i>Journal of Nanobiotechnology</i> , 2022, 20, 17.	4.2	12
28	Applications of Bionano Sensor for Extracellular Vesicles Analysis. <i>Materials</i> , 2020, 13, 3677.	1.3	9
29	Highly Sensitive Electrical Detection of HIV-1 Virus Based on Scanning Tunneling Microscopy. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 1117-1122.	0.9	6
30	Enzyme-Free Glucose Sensor Based on Au Nanobouquet Fabricated Indium Tin Oxide Electrode. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8432-8438.	0.9	5
31	Fabrication of electrochemical biosensor composed of multi-functional DNA 4 way junction for TNF- $\alpha$ detection in human serum. <i>Bioelectrochemistry</i> , 2021, 142, 107939.	2.4	5
32	Recent Advances in DNA Nanotechnology for Plasmonic Biosensor Construction. <i>Biosensors</i> , 2022, 12, 418.	2.3	5
33	Flexible Electronics for Monitoring in vivo Electrophysiology and Metabolite Signals. <i>Frontiers in Chemistry</i> , 2020, 8, 547591.	1.8	4
34	Nano-Protein Array to Detect $\beta$ -Amyloid (1-42) Using Scanning Tunneling Microscopy. <i>Sensor Letters</i> , 2011, 9, 828-831.	0.4	2
35	Recent Developments in Surface Topography-Modulated Neurogenesis. <i>Biochip Journal</i> , 2021, 15, 334-347.	2.5	2
36	Electrical detection of prostate specific antigen on protein array using scanning tunneling microscopy. <i>Current Applied Physics</i> , 2009, 9, e33-e37.	1.1	1