

Jaewook Lee

List of Publications by Year in descending order

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38
papers

1,889
citations

236612

25
h-index

329751

37
g-index

38
all docs

38
docs citations

38
times ranked

3123
citing authors

#	ARTICLE	IF	CITATIONS
1	Exosome-based drug delivery systems and their therapeutic applications. RSC Advances, 2022, 12, 18475-18492.	1.7	33
2	Porosity-controllable magnetoplasmonic nanoparticles and their assembled arrays. Nanoscale, 2020, 12, 8453-8465.	2.8	12
3	High-Performance Biosensing Systems Based on Various Nanomaterials as Signal Transducers. Biotechnology Journal, 2019, 14, e1800249.	1.8	21
4	Ultrasensitive detection of norovirus using a magnetofluoroimmunoassay based on synergic properties of gold/magnetic nanoparticle hybrid nanocomposites and quantum dots. Sensors and Actuators B: Chemical, 2019, 296, 126672.	4.0	30
5	Enhanced colorimetric detection of norovirus using in-situ growth of Ag shell on Au NPs. Biosensors and Bioelectronics, 2019, 126, 425-432.	5.3	77
6	Magnetic Nanozyme-Linked Immunosorbent Assay for Ultrasensitive Influenza A Virus Detection. ACS Applied Materials & Interfaces, 2018, 10, 12534-12543.	4.0	144
7	A multi-functional gold/iron-oxide nanoparticle-CNT hybrid nanomaterial as virus DNA sensing platform. Biosensors and Bioelectronics, 2018, 102, 425-431.	5.3	138
8	Femtomolar Detection of Dengue Virus DNA with Serotype Identification Ability. Analytical Chemistry, 2018, 90, 12464-12474.	3.2	54
9	Single-step detection of norovirus tuning localized surface plasmon resonance-induced optical signal between gold nanoparticles and quantum dots. Biosensors and Bioelectronics, 2018, 122, 16-24.	5.3	54
10	Plasmonic/magnetic graphene-based magnetofluoro-immunosensing platform for virus detection. Sensors and Actuators B: Chemical, 2018, 276, 254-261.	4.0	29
11	Manufacturing and characterization of physically modified aluminum anodes based air battery with electrolyte circulation. International Journal of Precision Engineering and Manufacturing - Green Technology, 2017, 4, 53-57.	2.7	14
12	Magneto-optically active magnetoplasmonic graphene. Chemical Communications, 2017, 53, 5814-5817.	2.2	14
13	Binary Nanoparticle Graphene Hybrid Structure-Based Highly Sensitive Biosensing Platform for Norovirus-Like Particle Detection. ACS Applied Materials & Interfaces, 2017, 9, 27298-27304.	4.0	38
14	Plasmonic Nanomaterial-Based Optical Biosensing Platforms for Virus Detection. Sensors, 2017, 17, 2332.	2.1	39
15	Synthesis of silver nanoparticles using analogous reducibility of phytochemicals. Current Applied Physics, 2016, 16, 738-747.	1.1	14
16	Chiral Graphene Quantum Dots. ACS Nano, 2016, 10, 1744-1755.	7.3	304
17	Environmentally friendly preparation of nanoparticle-decorated carbon nanotube or graphene hybrid structures and their potential applications. Journal of Materials Science, 2016, 51, 2761-2770.	1.7	19
18	Accelerated healing of cutaneous wounds using phytochemically stabilized gold nanoparticle deposited hydrocolloid membranes. Biomaterials Science, 2015, 3, 509-519.	2.6	64

#	ARTICLE	IF	CITATIONS
19	Transdermal treatment of the surgical and burned wound skin via phytochemical-capped gold nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 166-174.	2.5	38
20	Magnetically Aligned Iron Oxide/Gold Nanoparticle-Decorated Carbon Nanotube Hybrid Structure as a Humidity Sensor. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15506-15513.	4.0	52
21	Highly flexible and transparent metal grids made of metal nanowire networks. <i>RSC Advances</i> , 2015, 5, 77288-77295.	1.7	10
22	A plasmon-assisted fluoro-immunoassay using gold nanoparticle-decorated carbon nanotubes for monitoring the influenza virus. <i>Biosensors and Bioelectronics</i> , 2015, 64, 311-317.	5.3	90
23	Non-toxic nanoparticles from phytochemicals: preparation and biomedical application. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 983-989.	1.7	46
24	Plasmon-Induced Photoluminescence Immunoassay for Tuberculosis Monitoring Using Gold-Nanoparticle-Decorated Graphene. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21380-21388.	4.0	49
25	Self-assembled magnetoplasmonic nanochain for DNA sensing. <i>Sensors and Actuators B: Chemical</i> , 2014, 203, 817-823.	4.0	24
26	Fabrication of large area flexible and highly transparent film by a simple Ag nanowire alignment. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 130-137.	1.3	13
27	Rapid monitoring of CFP-10 during culture of <i>Mycobacterium tuberculosis</i> by using a magnetophoretic immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 327-333.	4.0	32
28	Difference between Toxicities of Iron Oxide Magnetic Nanoparticles with Various Surface-Functional Groups against Human Normal Fibroblasts and Fibrosarcoma Cells. <i>Materials</i> , 2013, 6, 4689-4706.	1.3	51
29	Microfabrication and optical properties of highly ordered silver nanostructures. <i>Nanoscale Research Letters</i> , 2012, 7, 292.	3.1	7
30	Ultrasensitive DNA monitoring by Au-Fe ₃ O ₄ nanocomplex. <i>Sensors and Actuators B: Chemical</i> , 2012, 163, 224-232.	4.0	76
31	Green synthesis of phytochemical-stabilized Au nanoparticles under ambient conditions and their biocompatibility and antioxidative activity. <i>Journal of Materials Chemistry</i> , 2011, 21, 13316.	6.7	84
32	Small molecule induced self-assembly of Au nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 16935.	6.7	29
33	Subtle cytotoxicity and genotoxicity differences in superparamagnetic iron oxide nanoparticles coated with various functional groups. <i>International Journal of Nanomedicine</i> , 2011, 6, 3219.	3.3	106
34	Clinical immunosensing of tuberculosis CFP-10 in patient urine by surface plasmon resonance spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1434-1438.	4.0	27
35	A surface plasmon resonance study on the optical properties of gold nanoparticles on thin gold films. <i>Mikrochimica Acta</i> , 2011, 172, 489-494.	2.5	8
36	Ultrasensitive immunosensing of tuberculosis CFP-10 based on SPR spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 271-275.	4.0	46

#	ARTICLE	IF	CITATIONS
37	Study on side collision reconstruction using database based on deformed shape information. Journal of Mechanical Science and Technology, 2009, 23, 1023-1026.	0.7	0
38	A Possible Merge of FRET and SPR Sensing System for Highly Accurate and Selective Immunosensing. Bulletin of the Korean Chemical Society, 2009, 30, 2905-2908.	1.0	3