# Ho-Sup Jung

List of Publications by Year
in descending order



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|---|---|---|---|
| 42 papers | 1,590 citations | 361413 20 h-index | 289244 40 g-index |
| 44 all docs | 44 docs citations | 44 times ranked | 2462 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Direct differentiation of human embryonic stem cells into selective neurons on nanoscale ridge/groove pattern arrays. Biomaterials, 2010, 31, 4360-4366. | 11.4 | 321 |
| 2 | Electrochemical detection of 17Î²-estradiol using DNA aptamer immobilized gold electrode chip. Biosensors and Bioelectronics, 2007, 22, 2525-2531. | 10.1 | 235 |
| 3 | Towards the Next Level of Bioinspired Dry Adhesives: New Designs and Applications. Advanced Functional Materials, 2011, 21, 3606-3616. | 14.9 | 157 |
| 4 | Ultra-sensitive detection of kanamycin for food safety using a reduced graphene oxide-based fluorescent aptasensor. Scientific Reports, 2017, 7, 40305. | 3.3 | 75 |
| 5 | Anisotropic Adhesion Properties of Triangularâ€Tipâ€Shaped Micropillars. Small, 2011, 7, 2296-2300. | 10.0 | 71 |
| 6 | Janus-Compartmental Alginate Microbeads Having Polydiacetylene Liposomes and Magnetic Nanoparticles for Visual Lead(II) Detection. ACS Applied Materials & Interfaces, 2014, 6, 10631-10637. | 8.0 | 67 |
| 7 | Novel array-type gas sensors using conducting polymers, and their performance for gas identification. Sensors and Actuators B: Chemical, 2002, 83, 270-275. | 7.8 | 53 |
| 8 | Soft lithographic patterning of supported lipid bilayers onto a surface and inside microfluidic channels. Lab on A Chip, 2006, 6, 54-59. | 6.0 | 53 |
| 9 | Design of Polydiacetylene-Phospholipid Supramolecules for Enhanced Stability and Sensitivity. Langmuir, 2012, 28, 7551-7556. | 3.5 | 52 |
| 10 | Biomimetic detection of aminoglycosidic antibiotics using polydiacetyleneâ€“phospholipids supramolecules. Chemical Communications, 2012, 48, 5313. | 4.1 | 51 |
| 11 | Mussel-Inspired Universal Bioconjugation of Polydiacetylene Liposome for Droplet-Array Biosensors. ACS Applied Materials & Interfaces, 2017, 9, 42210-42216. | 8.0 | 40 |
| 12 | Lipid-Hydrogel-Nanostructure Hybrids as Robust Biofilm-Resistant Polymeric Materials. ACS Macro Letters, 2019, 8, 64-69. | 4.8 | 39 |
| 13 | Hydrophilic and lipophilic characteristics of non-fatty acid moieties: significant factors affecting antibacterial activity of lauric acid esters. Food Science and Biotechnology, 2018, 27, 401-409. | 2.6 | 32 |
| 14 | New antibody immobilization method via functional liposome layer for specific protein assays. Biosensors and Bioelectronics, 2005, 21, 833-838. | 10.1 | 28 |
| 15 | Amperometric Immunosensor for Direct Detection Based upon Functional Lipid Vesicles Immobilized on Nanowell Array Electrode. Langmuir, 2005, 21, 6025-6029. | 3.5 | 27 |
| 16 | Spontaneous Immobilization of Liposomes on Electron-Beam Exposed Resist Surfaces. Journal of the American Chemical Society, 2005, 127, 2358-2362. | 13.7 | 27 |
| 17 | Well-oriented nanowell array metrics for integrated digital nanobiosensors. Applied Physics Letters, 2006, 89, 113901. | 3.3 | 27 |
| 18 | Design of a simple paper-based colorimetric biosensor using polydiacetylene liposomes for neomycin detection. Analyst, The, 2018, 143, 4623-4629. | 3.5 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Immobilized-Liposome Sensor System for Detection of Proteins under Stress Conditions. Membrane, 2007, 32, 294-301. | 0.0 | 23 |
| 20 | Highâ€sensitivity detection of oxytetracycline using light scattering agglutination assay with aptasensor. Electrophoresis, 2010, 31, 3115-3120. | 2.4 | 21 |
| 21 | Generation of alginate nanoparticles through microfluidics-aided polyelectrolyte complexation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 471, 86-92. | 4.7 | 17 |
| 22 | Microfluidic platforms with monolithically integrated hierarchical apertures for the facile and rapid formation of cargo-carrying vesicles. Lab on A Chip, 2015, 15, 373-377. | 6.0 | 17 |
| 23 | Effect of surface tension and coefficient of thermal expansion in 30 nm scale nanoimprinting with two flexible polymer molds. Nanotechnology, 2012, 23, 235303. | 2.6 | 16 |
| 24 | AOT/isooctane reverse micelles with a microaqueous core act as protective shells for enhancing the thermal stability of Chromobacterium viscosum lipase. Food Chemistry, 2015, 179, 263-269. | 8.2 | 15 |
| 25 | Systematic Characterization of DMPC/DHPC Self-Assemblies and Their Phase Behaviors in Aqueous Solution. Colloids and Interfaces, 2018, 2, 73. | 2.1 | 14 |
| 26 | Rapid detection of Mycoplasma pneumonia in a microfluidic device using immunoagglutination assay and static light scattering. Electrophoresis, 2009, 30, 3206-3211. | 2.4 | 10 |
| 27 | A Simple Method for Continuous Synthesis of Bicelles in Microfluidic Systems. Langmuir, 2021, 37, 12255-12262. | 3.5 | 10 |
| 28 | Catalytic characteristics of asnâ€1(3) regioselective lipase fromCordyceps militaris. Biotechnology Progress, 2019, 35, e2744. | 2.6 | 9 |
| 29 | A novel method of vesicle preparation by simple dilution of bicelle solution. Biochemical Engineering Journal, 2020, 162, 107725. | 3.6 | 8 |
| 30 | Self-organized functional lipid vesicle array for sensitive immunoassay chip. Ultramicroscopy, 2008, 108, 1325-1327. | 1.9 | 7 |
| 31 | Stimuli-responsive polymer-complexed liposome nanocarrier provides controlled release of biomolecules. Food Hydrocolloids, 2022, 125, 107397. | 10.7 | 7 |
| 32 | Controlled rate slow freezing with lyoprotective agent to retain the integrity of lipid nanovesicles during lyophilization. Scientific Reports, 2021, 11, 24354. | 3.3 | 6 |
| 33 | Adhesive Microstructures: Anisotropic Adhesion Properties of Triangularâ€Tipâ€Shaped Micropillars (Small 16/2011). Small, 2011, 7, 2266-2266. | 10.0 | 5 |
| 34 | Characterization of the physicochemical properties of phospholipid vesicles prepared in CO2/water systems at high pressure. Biointerphases, 2015, 10, 031005. | 1.6 | 5 |
| 35 | Continuous preparation of bicelles using hydrodynamic focusing method for bicelle to vesicle transition. Micro and Nano Systems Letters, 2021, 9, . | 3.7 | 5 |
| 36 | Electrochemical Assay of Nonlabeled DNA Chip and SNOM Imaging by Using Streptavidin-Biotin Interaction. Journal of Nanoscience and Nanotechnology, 2004, 4, 882-885. | 0.9 | 4 |

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|---|---|---|---|
| 37 | Single probe nucleic acid immobilization on chemically modified single protein by controlling ionic strength and pH. Analytica Chimica Acta, 2007, 603, 76-81. | 5.4 | 3 |
| 38 | Precise Microfluidic Luminescent Sensor Platform with Controlled Injection System. ACS Omega, 2021, 6, 23412-23420. | 3.5 | 3 |
| 39 | Amperometric Detection of Conformational Change of Proteins Using Immobilized-Liposome Sensor System. Sensors, 2018, 18, 136. | 3.8 | 2 |
| 40 | Hybrid Nanofiber Scaffold-Based Direct Conversion of Neural Precursor Cells/Dopamine Neurons. International Journal of Stem Cells, 2019, 12, 340-346. | 1.8 | 2 |
| 41 | Gas-sensing array application for on-line monitoring in a heat-responsive bioprocess of Streptomyces griseus HUT 6037. Food Science and Biotechnology, 2015, 24, 875-881. | 2.6 | 1 |
| 42 | Effect of a marine bacterial biofilm on adhesion and retention of pseudo barnacle to silicone coating surface. Korean Journal of Chemical Engineering, 2014, 31, 262-267. | 2.7 | 0 |