

Hyeran Noh

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,259
citations

567281

15
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

1917
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Surface energy effects on osteoblast spatial growth and mineralization. <i>Biomaterials</i> , 2008, 29, 1776-1784. | 11.4 | 189 |
| 2 | Metering the Capillary-Driven Flow of Fluids in Paper-Based Microfluidic Devices. <i>Analytical Chemistry</i> , 2010, 82, 4181-4187. | 6.5 | 173 |
| 3 | Fluidic Timers for Time-Dependent, Point-of-Care Assays on Paper. <i>Analytical Chemistry</i> , 2010, 82, 8071-8078. | 6.5 | 169 |
| 4 | Volumetric interpretation of protein adsorption: Competition from mixtures and the Vroman effect. <i>Biomaterials</i> , 2007, 28, 405-422. | 11.4 | 164 |
| 5 | Volumetric interpretation of protein adsorption: Mass and energy balance for albumin adsorption to particulate adsorbents with incrementally increasing hydrophilicity. <i>Biomaterials</i> , 2006, 27, 5801-5812. | 11.4 | 98 |
| 6 | Size and Surface Charge of Engineered Poly(amidoamine) Dendrimers Modulate Tumor Accumulation and Penetration: A Model Study Using Multicellular Tumor Spheroids. <i>Molecular Pharmaceutics</i> , 2016, 13, 2155-2163. | 4.6 | 89 |
| 7 | Volumetric interpretation of protein adsorption: Ion-exchange adsorbent capacity, protein pI, and interaction energetics. <i>Biomaterials</i> , 2008, 29, 2033-2048. | 11.4 | 59 |
| 8 | Volumetric interpretation of protein adsorption: Partition coefficients, interphase volumes, and free energies of adsorption to hydrophobic surfaces. <i>Biomaterials</i> , 2006, 27, 5780-5793. | 11.4 | 53 |
| 9 | Volumetric interpretation of protein adsorption: Capacity scaling with adsorbate molecular weight and adsorbent surface energy. <i>Biomaterials</i> , 2009, 30, 6814-6824. | 11.4 | 48 |
| 10 | Development of Colorimetric Paper Sensor for Pesticide Detection Using Competitive-inhibiting Reaction. <i>Biochip Journal</i> , 2018, 12, 326-331. | 4.9 | 39 |
| 11 | One-step sensing of foodborne pathogenic bacteria using a 3D paper-based device. <i>Analyst</i> , The, 2019, 144, 2248-2255. | 3.5 | 29 |
| 12 | Volumetric interpretation of protein adsorption: Interfacial packing of protein adsorbed to hydrophobic surfaces from surface-saturating solution concentrations. <i>Biomaterials</i> , 2011, 32, 969-978. | 11.4 | 26 |
| 13 | Volumetric interpretation of protein adsorption: Kinetic consequences of a slowly-concentrating interphase. <i>Biomaterials</i> , 2008, 29, 3062-3074. | 11.4 | 23 |
| 14 | Paper-Based Diagnostic System Facilitating <i>Escherichia coli</i> Assessments by Duplex Coloration. <i>ACS Sensors</i> , 2019, 4, 2435-2441. | 7.8 | 17 |
| 15 | Characteristics of PLLA films blended with PEG block copolymers as additives for biodegradable polymer stents. <i>Biomedical Engineering Letters</i> , 2011, 1, 42-48. | 4.1 | 15 |
| 16 | Chemiluminescent detection of tear glucose on paper microfluidic devices. <i>Macromolecular Research</i> , 2015, 23, 493-495. | 2.4 | 12 |
| 17 | pH Sensitive Soft Contact Lens for Selective Drug-Delivery. <i>Macromolecular Research</i> , 2018, 26, 278-283. | 2.4 | 12 |
| 18 | Influence of Solution pH on Drug Release from Ionic Hydrogel Lens. <i>Macromolecular Research</i> , 2019, 27, 191-197. | 2.4 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Paper-Based Substrate for a Surface-Enhanced Raman Spectroscopy Biosensing Platform—A Silver/Chitosan Nanocomposite Approach. <i>Biosensors</i> , 2022, 12, 266. | 4.7 | 8 |
| 20 | Enhanced cornea cell growth on a keratoprosthesis material immobilized with fibronectin or EGF. <i>Macromolecular Research</i> , 2013, 21, 169-175. | 2.4 | 6 |
| 21 | Quantitative Determination of Tear Glucose Using Paper Based Microfluidic Devices. <i>Journal of the Korean Chemical Society</i> , 2015, 59, 88-92. | 0.2 | 6 |
| 22 | Quantifying the fluid volumes in paper microfluidic devices for dry eye test. <i>Macromolecular Research</i> , 2013, 21, 788-792. | 2.4 | 4 |
| 23 | Rationalization of In-Situ Synthesized Plasmonic Paper for Colorimetric Detection of Glucose in Ocular Fluids. <i>Chemosensors</i> , 2020, 8, 81. | 3.6 | 4 |
| 24 | Electrophoretic Implementation of the Solution-Depletion Method for Measuring Protein Adsorption, Adsorption Kinetics, and Adsorption Competition Among Multiple Proteins in Solution. <i>Methods in Molecular Biology</i> , 2013, 1025, 157-166. | 0.9 | 4 |
| 25 | Understanding of Protein Adsorption Kinetics to Contact Lens Hydrogels. <i>Porrime</i> , 2014, 38, 220-224. | 0.2 | 1 |
| 26 | Study of Drug Release from Hydrogel Contact Lens Containing Coacervated Drugs. <i>Porrime</i> , 2018, 42, 427-433. | 0.2 | 1 |
| 27 | Application of Imidazole-based Antistatic Coating on Optical Lens. <i>Porrime</i> , 2019, 43, 151-155. | 0.2 | 1 |
| 28 | Study of Physical Properties of UV Protective Film with Acrylate Polymers. <i>Porrime</i> , 2017, 41, 295. | 0.2 | 0 |
| 29 | A Feasible and Holistic Characterization of an Affordable Anti-Fog Coating Enhancing Readability. <i>Macromolecular Research</i> , 2020, 28, 1241-1247. | 2.4 | 0 |