Hyeran Noh

List of Publications by Year
in descending order

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	Paper-Based Substrate for a Surface-Enhanced Raman Spectroscopy Biosensing Platformâ€"A Silver/Chitosan Nanocomposite Approach. Biosensors, 2022, 12, 266.	4.7	8
2	Rationalization of In-Situ Synthesized Plasmonic Paper for Colorimetric Detection of Glucose in Ocular Fluids. Chemosensors, 2020, 8, 81.	3.6	4
3	A Feasible and Holistic Characterization of an Affordable Anti-Fog Coating Enhancing Readability. Macromolecular Research, 2020, 28, 1241-1247.	2.4	0
4	Paper-Based Diagnostic System Facilitating Escherichia coli Assessments by Duplex Coloration. ACS Sensors, 2019, 4, 2435-2441.	7.8	17
5	Influence of Solution pH on Drug Release from Ionic Hydrogel Lens. Macromolecular Research, 2019, 27, 191-197.	2.4	9
6	One-step sensing of foodborne pathogenic bacteria using a 3D paper-based device. Analyst, The, 2019, 144, 2248-2255.	3.5	29
7	Application of Imidazole-based Antistatic Coating on Optical Lens. Porrime, 2019, 43, 151-155.	0.2	1
8	pH Sensitive Soft Contact Lens for Selective Drug-Delivery. Macromolecular Research, 2018, 26, 278-283.	2.4	12
9	Development of Colorimetric Paper Sensor for Pesticide Detection Using Competitive-inhibiting Reaction. Biochip Journal, 2018, 12, 326-331.	4.9	39
10	Study of Drug Release from Hydrogel Contact Lens Containing Coacervated Drugs. Porrime, 2018, 42, 427-433.	0.2	1
11	Study of Physical Properties of UV Protective Film with Acrylate Polymers. Porrime, 2017, 41, 295.	0.2	0
12	Size and Surface Charge of Engineered Poly(amidoamine) Dendrimers Modulate Tumor Accumulation and Penetration: A Model Study Using Multicellular Tumor Spheroids. Molecular Pharmaceutics, 2016, 13, 2155-2163.	4.6	89
13	Chemiluminescent detection of tear glucose on paper microfluidic devices. Macromolecular Research, 2015, 23, 493-495.	2.4	12
14	Quantitative Determination of Tear Glucose Using Paper Based Microfluidic Devices. Journal of the Korean Chemical Society, 2015, 59, 88-92.	0.2	6
15	Understanding of Protein Adsorption Kinetics to Contact Lens Hydrogels. Porrime, 2014, 38, 220-224.	0.2	1
16	Quantifying the fluid volumes in paper microfluidic devices for dry eye test. Macromolecular Research, 2013, 21, 788-792.	2.4	4
17	Enhanced cornea cell growth on a keratoprosthesis material immobilized with fibronectin or EGF. Macromolecular Research, 2013, 21, 169-175.	2.4	6
18	Electrophoretic Implementation of the Solution-Depletion Method for Measuring Protein Adsorption, Adsorption Kinetics, and Adsorption Competition Among Multiple Proteins in Solution. Methods in Molecular Biology, 2013, 1025, 157-166.	0.9	4

#	Article	IF	Citations
19	Characteristics of PLLA films blended with PEG block copolymers as additives for biodegradable polymer stents. Biomedical Engineering Letters, 2011, 1, 42-48.	4.1	15
20	Volumetric interpretation of protein adsorption: Interfacial packing of protein adsorbed to hydrophobic surfaces from surface-saturating solution concentrations. Biomaterials, 2011, 32, 969-978.	11.4	26
21	Fluidic Timers for Time-Dependent, Point-of-Care Assays on Paper. Analytical Chemistry, 2010, 82, 8071-8078.	6.5	169
22	Metering the Capillary-Driven Flow of Fluids in Paper-Based Microfluidic Devices. Analytical Chemistry, 2010, 82, 4181-4187.	6.5	173
23	Volumetric interpretation of protein adsorption: Capacity scaling with adsorbate molecular weight and adsorbent surface energy. Biomaterials, 2009, 30, 6814-6824.	11.4	48
24	Surface energy effects on osteoblast spatial growth and mineralization. Biomaterials, 2008, 29, 1776-1784.	11.4	189
25	Volumetric interpretation of protein adsorption: Ion-exchange adsorbent capacity, protein pI, and interaction energetics. Biomaterials, 2008, 29, 2033-2048.	11.4	59
26	Volumetric interpretation of protein adsorption: Kinetic consequences of a slowly-concentrating interphase. Biomaterials, 2008, 29, 3062-3074.	11.4	23
27	Volumetric interpretation of protein adsorption: Competition from mixtures and the Vroman effect. Biomaterials, 2007, 28, 405-422.	11.4	164
28	Volumetric interpretation of protein adsorption: Partition coefficients, interphase volumes, and free energies of adsorption to hydrophobic surfaces. Biomaterials, 2006, 27, 5780-5793.	11.4	53
29	Volumetric interpretation of protein adsorption: Mass and energy balance for albumin adsorption to particulate adsorbents with incrementally increasing hydrophilicity. Biomaterials, 2006, 27, 5801-5812.	11.4	98