Seung-min Park

List of Publications by Year
in descending order

35 papers	1,447 citations	471509 17 h-index	434195 31 g-index
37 all docs	37 docs citations	37 times ranked	2790 citing authors

#	Article	IF	Citations
1	Smart toilets for monitoring COVID-19 surges: passive diagnostics and public health. Npj Digital Medicine, 2022, 5, 39.	10.9	10
2	Lateral Flow Immunoassay with Quantum-Dot-Embedded Silica Nanoparticles for Prostate-Specific Antigen Detection. Nanomaterials, 2022, 12, 33.	4.1	21
3	Giant Magnetoresistive Nanosensor Analysis of Circulating Tumor DNA Epidermal Growth Factor Receptor Mutations for Diagnosis and Therapy Response Monitoring. Clinical Chemistry, 2021, 67, 534-542.	3.2	14
4	Overlimiting Current in Nonuniform Arrays of Microchannels: Recirculating Flow and Anticrystallization. Nano Letters, 2021, 21, 5438-5446.	9.1	7
5	Metal Nano/Microparticles for Bioapplications. International Journal of Molecular Sciences, 2021, 22, 4543.	4.1	0
6	Digital biomarkers in human excreta. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 521-522.	17.8	10
7	Recent Advances in Surface-Enhanced Raman Scattering Magnetic Plasmonic Particles for Bioapplications. Nanomaterials, 2021, 11, 1215.	4.1	11
8	Silver-Assembled Silica Nanoparticles in Lateral Flow Immunoassay for Visual Inspection of Prostate-Specific Antigen. Sensors, 2021, 21, 4099.	3.8	11
9	Synthesis and Application of Silica-Coated Quantum Dots in Biomedicine. International Journal of Molecular Sciences, 2021, 22, 10116.	4.1	19
10	Noninvasive and Highly Multiplexed Five-Color Tumor Imaging of Multicore Near-Infrared Resonant Surface-Enhanced Raman Nanoparticles In Vivo. ACS Nano, 2021, 15, 19956-19969.	14.6	19
11	Real-time surgical margin assessment using ICG-fluorescence during laparoscopic and robot-assisted resections of colorectal liver metastases. Annals of Translational Medicine, 2020, 8, 1448-1448.	1.7	38
12	A mountable toilet system for personalized health monitoring via the analysis of excreta. Nature Biomedical Engineering, 2020, 4, 624-635.	22.5	112
13	Emerging ultrafast nucleic acid amplification technologies for next-generation molecular diagnostics. Biosensors and Bioelectronics, 2019, 141, 111448.	10.1	61
14	Engineered immune cells as highly sensitive cancer diagnostics. Nature Biotechnology, 2019, 37, 531-539.	17.5	101
15	Deactivated CRISPR Associated Protein 9 for Minor-Allele Enrichment in Cell-Free DNA. Clinical Chemistry, 2018, 64, 307-316.	3.2	30
16	An intravascular magnetic wire for the high-throughput retrieval of circulating tumour cells in vivo. Nature Biomedical Engineering, 2018, 2, 696-705.	22.5	92
17	Towards clinically translatable in vivo nanodiagnostics. Nature Reviews Materials, 2017, 2, .	48.7	255
18	High-Density Lipoprotein NanoparticleÂImaging in AtheroscleroticÂVascularÂDisease. JACC Basic To Translational Science, 2017, 2, 98-100.	4.1	7

#	Article	IF	Citations
19	Multigene profiling of single circulating tumor cells. Molecular and Cellular Oncology, 2017, 4, e1289295.	0.7	1
20	Capture and Genetic Analysis of Circulating Tumor Cells Using a Magnetic Separation Device (Magnetic Sifter). Methods in Molecular Biology, 2017, 1634, 153-162.	0.9	1
21	High-throughput full-length single-cell mRNA-seq of rare cells. PLoS ONE, 2017, 12, e0188510.	2.5	7
22	Molecular profiling of single circulating tumor cells from lung cancer patients. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E8379-E8386.	7.1	90
23	Dual transcript and protein quantification in a massive single cell array. Lab on A Chip, 2016, 16, 3682-3688.	6.0	22
24	Toward Integrated Molecular Diagnostic System (<formula formulatype="inline"><tex) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 on Biomedical Engineering, 2014, 61, 1506-1521.	4.2	17
25	Pref-1 Marks Very Early Mesenchymal Precursors Required for Adipose Tissue Development and Expansion. Cell Reports, 2014, 8, 678-687.	6.4	100
26	Discriminating cellular heterogeneity using microwell-based RNA cytometry. Nature Communications, 2014, 5, 3451.	12.8	49
27	Hemolysis-free blood plasma separation. Lab on A Chip, 2014, 14, 2287-2292.	6.0	74
28	Optical Methods in Studies of Olfactory System. , 2014, , 191-220.		2
29	DNA translocation through a periodically patterned nanoprobe. , 2013, , .		0
30	Rapid Prototyping of Nanofluidic Systems Using Sizeâ€Reduced Electrospun Nanofibers for Biomolecular Analysis. Small, 2010, 6, 2420-2426.	10.0	14
31	A method for nanofluidic device prototyping using elastomeric collapse. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15549-15554.	7.1	141
32	Selection and elution of aptamers using nanoporous sol-gel arrays with integrated microheaters. Lab on A Chip, 2009, 9, 1206.	6.0	83
33	On-chip coupling of electrochemical pumps and an SU-8 tip for electrospray ionization mass spectrometry. Biomedical Microdevices, 2008, 10, 891-897.	2.8	12
34	Microfluidic encapsulated nanoelectromechanical resonators. Journal of Vacuum Science & Technology B, 2007, 25, 1171.	1.3	8
35	Microfluidic Encapsulated NEMS Resonators for Sensor Applications. , 0, , .		3